Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
(813)881-9401

November 08, 2016

Kathryn Nordmark
Southern Analytical Laboratories, Inc.
110 S Bayview Blvd.
Oldsmar, FL 34677

RE: Project: 1614837
Pace Project No.: 35272936

Dear Kathryn Nordmark:
Enclosed are the analytical results for sample(s) received by the laboratory on October 27, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Jeff Baylor for
Lori Palmer
lori.palmer@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 1614837
Pace Project No.: 35272936

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: 1614837
Pace Project No.: 35272936

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35272936001	**1614837-01**	Water	10/19/16 11:33	10/27/16 15:30
35272936002	**1614837-02**	Water	10/19/16 13:35	10/27/16 15:30
35272936003	**1614837-03**	Water	10/25/16 14:30	10/27/16 15:30
35272936004	**1614837-04**	Water	10/25/16 13:34	10/27/16 15:30
35272936005	**1614837-05**	Water	10/25/16 12:45	10/27/16 15:30
35272936006	**1614837-01 Trip Blank**	Water	10/19/16 11:33	10/27/16 15:30
35272936007	**1614837-02 Trip Blank**	Water	10/19/16 13:35	10/27/16 15:30
35272936008	**1614837-03 Trip Blank**	Water	10/25/16 14:30	10/27/16 15:30
35272936009	**1614837-04 Trip Blank**	Water	10/25/16 13:34	10/27/16 15:30
35272936010	**1614837-05 Trip Blank**	Water	10/25/16 12:45	10/27/16 15:30

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SAMPLE ANALYTE COUNT

Project: 1614837
Pace Project No.: 35272936

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35272936001	**1614837-01**	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	DRS	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35272936002	**1614837-02**	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	DRS	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	BTN	48	PASI-O
35272936003	**1614837-03**	EPA 8011	CRT	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	DRS	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35272936004	**1614837-04**	EPA 8011	CRT	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	DRS	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35272936005	**1614837-05**	EPA 8011	CRT	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	DRS	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	BTN	48	PASI-O
35272936006	**1614837-01 Trip Blank**	EPA 8260	SK1	48	PASI-O
35272936007	**1614837-02 Trip Blank**	EPA 8260	SK1	48	PASI-O
35272936008	**1614837-03 Trip Blank**	EPA 8260	SK1	48	PASI-O
35272936009	**1614837-04 Trip Blank**	EPA 8260	SK1	48	PASI-O
35272936010	**1614837-05 Trip Blank**	EPA 8260	SK1	48	PASI-O

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-01 **Lab ID: 35272936001** Collected: 10/19/16 11:33 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0047 U**	ug/L	0.019	0.0047	1	10/30/16 22:04	10/31/16 13:14	96-12-8	
1,2-Dibromoethane (EDB)	**0.0072 U**	ug/L	0.0095	0.0072	1	10/30/16 22:04	10/31/16 13:14	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**50.2**	ug/L	10.0	5.0	1	11/02/16 23:55	11/04/16 15:57	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/02/16 23:55	11/04/16 15:57	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/02/16 23:55	11/04/16 15:57	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/02/16 23:55	11/04/16 15:57	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/02/16 23:55	11/04/16 15:57	7440-48-4	
Copper	**5.7**	ug/L	5.0	2.5	1	11/02/16 23:55	11/04/16 15:57	7440-50-8	
Iron	**26.2 I**	ug/L	40.0	20.0	1	11/02/16 23:55	11/04/16 15:57	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/02/16 23:55	11/04/16 15:57	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/02/16 23:55	11/04/16 15:57	7440-22-4	
Sodium	**3.1**	mg/L	1.0	0.50	1	11/02/16 23:55	11/04/16 15:57	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/02/16 23:55	11/04/16 15:57	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/02/16 23:55	11/04/16 15:57	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:51	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:51	7440-38-2	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:51	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:51	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:51	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 15:33	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		10/29/16 08:44	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 08:44	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		10/29/16 08:44	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		10/29/16 08:44	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		10/29/16 08:44	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 08:44	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 08:44	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		10/29/16 08:44	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		10/29/16 08:44	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		10/29/16 08:44	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-01 **Lab ID: 35272936001** Collected: 10/19/16 11:33 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 08:44	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/29/16 08:44	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/29/16 08:44	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 08:44	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		10/29/16 08:44	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		10/29/16 08:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 08:44	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		10/29/16 08:44	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	75-69-4	L3
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		10/29/16 08:44	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		10/29/16 08:44	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:44	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		10/29/16 08:44	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	89-111		1		10/29/16 08:44	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	75-135		1		10/29/16 08:44	17060-07-0	
Toluene-d8 (S)	98	%	89-112		1		10/29/16 08:44	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-02 **Lab ID: 35272936002** Collected: 10/19/16 13:35 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0048 U**	ug/L	0.019	0.0048	1	10/30/16 22:04	10/31/16 13:29	96-12-8	
1,2-Dibromoethane (EDB)	**0.0073 U**	ug/L	0.0097	0.0073	1	10/30/16 22:04	10/31/16 13:29	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**25.0 U**	ug/L	50.0	25.0	5	11/02/16 23:55	11/06/16 00:11	7440-39-3	D3
Beryllium	**2.5 U**	ug/L	5.0	2.5	5	11/02/16 23:55	11/06/16 00:11	7440-41-7	D3
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/02/16 23:55	11/03/16 22:04	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/02/16 23:55	11/03/16 22:04	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/02/16 23:55	11/03/16 22:04	7440-48-4	
Copper	**12.5 U**	ug/L	25.0	12.5	5	11/02/16 23:55	11/06/16 00:11	7440-50-8	D3
Iron	**100 U**	ug/L	200	100	5	11/02/16 23:55	11/06/16 00:11	7439-89-6	D3
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/02/16 23:55	11/03/16 22:04	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/02/16 23:55	11/03/16 22:04	7440-22-4	
Sodium	**2.6**	mg/L	1.0	0.50	1	11/02/16 23:55	11/03/16 22:04	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/02/16 23:55	11/03/16 22:04	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/02/16 23:55	11/03/16 22:04	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:55	7440-36-0	
Arsenic	**0.97 I**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:55	7440-38-2	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:55	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:55	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:55	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 15:35	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		10/30/16 19:36	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		10/30/16 19:36	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		10/30/16 19:36	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		10/30/16 19:36	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		10/30/16 19:36	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		10/30/16 19:36	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		10/30/16 19:36	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		10/30/16 19:36	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		10/30/16 19:36	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		10/30/16 19:36	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-02 **Lab ID: 35272936002** Collected: 10/19/16 13:35 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		10/30/16 19:36	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/30/16 19:36	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/30/16 19:36	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		10/30/16 19:36	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		10/30/16 19:36	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		10/30/16 19:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		10/30/16 19:36	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		10/30/16 19:36	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		10/30/16 19:36	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		10/30/16 19:36	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 19:36	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		10/30/16 19:36	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	89-111		1		10/30/16 19:36	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	75-135		1		10/30/16 19:36	17060-07-0	
Toluene-d8 (S)	97	%	89-112		1		10/30/16 19:36	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-03 **Lab ID: 35272936003** Collected: 10/25/16 14:30 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.021	0.0050	1	11/03/16 17:00	11/04/16 09:45	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	11/03/16 17:00	11/04/16 09:45	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**8.1 I**	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:35	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:35	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:35	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:35	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:35	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:35	7440-50-8	
Iron	**182**	ug/L	40.0	20.0	1	11/03/16 11:17	11/05/16 18:35	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:35	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:35	7440-22-4	
Sodium	**1.6**	mg/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:35	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:35	7440-62-2	
Zinc	**12.5 I**	ug/L	20.0	10.0	1	11/03/16 11:17	11/05/16 18:35	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:58	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:58	7440-38-2	
Lead	**0.62 I**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:58	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:58	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:58	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 15:37	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		10/29/16 07:23	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 07:23	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		10/29/16 07:23	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		10/29/16 07:23	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		10/29/16 07:23	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 07:23	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 07:23	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		10/29/16 07:23	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		10/29/16 07:23	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		10/29/16 07:23	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-03 **Lab ID: 35272936003** Collected: 10/25/16 14:30 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 07:23	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/29/16 07:23	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/29/16 07:23	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 07:23	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		10/29/16 07:23	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		10/29/16 07:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 07:23	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		10/29/16 07:23	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	75-69-4	L3
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		10/29/16 07:23	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		10/29/16 07:23	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 07:23	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		10/29/16 07:23	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	89-111		1		10/29/16 07:23	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	75-135		1		10/29/16 07:23	17060-07-0	
Toluene-d8 (S)	95	%	89-112		1		10/29/16 07:23	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-04 **Lab ID: 35272936004** Collected: 10/25/16 13:34 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.021	0.0050	1	11/03/16 17:00	11/04/16 10:00	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	11/03/16 17:00	11/04/16 10:00	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**37.9**	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:39	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:39	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:39	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:39	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:39	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:39	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/03/16 11:17	11/05/16 18:39	7439-89-6	
Nickel	**5.0 I**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:39	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:39	7440-22-4	
Sodium	**71.0**	mg/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:39	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:39	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/03/16 11:17	11/05/16 18:39	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 17:02	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 17:02	7440-38-2	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 17:02	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 17:02	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 17:02	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 15:43	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		10/29/16 08:18	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 08:18	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		10/29/16 08:18	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		10/29/16 08:18	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		10/29/16 08:18	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 08:18	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 08:18	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		10/29/16 08:18	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		10/29/16 08:18	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		10/29/16 08:18	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-04 **Lab ID: 35272936004** Collected: 10/25/16 13:34 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 08:18	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/29/16 08:18	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/29/16 08:18	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 08:18	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		10/29/16 08:18	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		10/29/16 08:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 08:18	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		10/29/16 08:18	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	75-69-4	L3
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		10/29/16 08:18	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		10/29/16 08:18	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 08:18	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		10/29/16 08:18	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	89-111		1		10/29/16 08:18	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	75-135		1		10/29/16 08:18	17060-07-0	
Toluene-d8 (S)	97	%	89-112		1		10/29/16 08:18	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-05 **Lab ID: 35272936005** Collected: 10/25/16 12:45 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.020	0.0050	1	11/03/16 17:00	11/04/16 10:16	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	11/03/16 17:00	11/04/16 10:16	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**5.0 U**	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:51	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:51	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:51	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:51	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:51	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:51	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/03/16 11:17	11/05/16 18:51	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:51	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:51	7440-22-4	
Sodium	**0.50 U**	mg/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:51	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:51	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/03/16 11:17	11/05/16 18:51	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 17:05	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 17:05	7440-38-2	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 17:05	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 17:05	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 17:05	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 15:45	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**33.7**	ug/L	20.0	10.0	1		10/30/16 20:00	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		10/30/16 20:00	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		10/30/16 20:00	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		10/30/16 20:00	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		10/30/16 20:00	74-83-9	
2-Butanone (MEK)	**8.2 I**	ug/L	10.0	5.0	1		10/30/16 20:00	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		10/30/16 20:00	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		10/30/16 20:00	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		10/30/16 20:00	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		10/30/16 20:00	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-05 **Lab ID: 35272936005** Collected: 10/25/16 12:45 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		10/30/16 20:00	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/30/16 20:00	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/30/16 20:00	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		10/30/16 20:00	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		10/30/16 20:00	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		10/30/16 20:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		10/30/16 20:00	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		10/30/16 20:00	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		10/30/16 20:00	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		10/30/16 20:00	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		10/30/16 20:00	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		10/30/16 20:00	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	89-111		1		10/30/16 20:00	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	75-135		1		10/30/16 20:00	17060-07-0	
Toluene-d8 (S)	97	%	89-112		1		10/30/16 20:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-01 Trip Blank **Lab ID: 35272936006** Collected: 10/19/16 11:33 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		10/29/16 04:41	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 04:41	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		10/29/16 04:41	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		10/29/16 04:41	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		10/29/16 04:41	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 04:41	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 04:41	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		10/29/16 04:41	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		10/29/16 04:41	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		10/29/16 04:41	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 04:41	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/29/16 04:41	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/29/16 04:41	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 04:41	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		10/29/16 04:41	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		10/29/16 04:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 04:41	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		10/29/16 04:41	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	75-69-4	L3
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		10/29/16 04:41	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		10/29/16 04:41	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 04:41	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		10/29/16 04:41	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-01 Trip Blank **Lab ID: 35272936006** Collected: 10/19/16 11:33 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	100	%	89-111		1		10/29/16 04:41	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	75-135		1		10/29/16 04:41	17060-07-0	
Toluene-d8 (S)	96	%	89-112		1		10/29/16 04:41	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-02 Trip Blank **Lab ID: 35272936007** Collected: 10/19/16 13:35 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		10/29/16 05:08	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 05:08	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		10/29/16 05:08	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		10/29/16 05:08	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		10/29/16 05:08	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 05:08	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 05:08	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		10/29/16 05:08	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		10/29/16 05:08	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		10/29/16 05:08	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 05:08	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/29/16 05:08	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/29/16 05:08	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 05:08	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		10/29/16 05:08	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		10/29/16 05:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 05:08	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		10/29/16 05:08	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	75-69-4	L3
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		10/29/16 05:08	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		10/29/16 05:08	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 05:08	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		10/29/16 05:08	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-02 Trip Blank **Lab ID: 35272936007** Collected: 10/19/16 13:35 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	96	%	89-111		1		10/29/16 05:08	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	75-135		1		10/29/16 05:08	17060-07-0	
Toluene-d8 (S)	97	%	89-112		1		10/29/16 05:08	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-03 Trip Blank **Lab ID: 35272936008** Collected: 10/25/16 14:30 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		10/29/16 06:03	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 06:03	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		10/29/16 06:03	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		10/29/16 06:03	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		10/29/16 06:03	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 06:03	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 06:03	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		10/29/16 06:03	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		10/29/16 06:03	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		10/29/16 06:03	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 06:03	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/29/16 06:03	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/29/16 06:03	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 06:03	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		10/29/16 06:03	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		10/29/16 06:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 06:03	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		10/29/16 06:03	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	75-69-4	L3
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		10/29/16 06:03	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		10/29/16 06:03	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:03	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		10/29/16 06:03	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-03 Trip Blank **Lab ID: 35272936008** Collected: 10/25/16 14:30 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	98	%	89-111		1		10/29/16 06:03	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	75-135		1		10/29/16 06:03	17060-07-0	
Toluene-d8 (S)	96	%	89-112		1		10/29/16 06:03	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-04 Trip Blank **Lab ID: 35272936009** Collected: 10/25/16 13:34 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		10/29/16 06:29	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 06:29	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		10/29/16 06:29	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		10/29/16 06:29	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		10/29/16 06:29	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 06:29	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 06:29	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		10/29/16 06:29	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		10/29/16 06:29	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		10/29/16 06:29	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 06:29	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/29/16 06:29	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/29/16 06:29	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 06:29	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		10/29/16 06:29	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		10/29/16 06:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 06:29	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		10/29/16 06:29	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	75-69-4	L3
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		10/29/16 06:29	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		10/29/16 06:29	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:29	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		10/29/16 06:29	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-04 Trip Blank **Lab ID: 35272936009** Collected: 10/25/16 13:34 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	98	%	89-111		1		10/29/16 06:29	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	75-135		1		10/29/16 06:29	17060-07-0	
Toluene-d8 (S)	97	%	89-112		1		10/29/16 06:29	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-05 Trip Blank **Lab ID: 35272936010** Collected: 10/25/16 12:45 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		10/29/16 06:57	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 06:57	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		10/29/16 06:57	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		10/29/16 06:57	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		10/29/16 06:57	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 06:57	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 06:57	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		10/29/16 06:57	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		10/29/16 06:57	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		10/29/16 06:57	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 06:57	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/29/16 06:57	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		10/29/16 06:57	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 06:57	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		10/29/16 06:57	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		10/29/16 06:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		10/29/16 06:57	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		10/29/16 06:57	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	75-69-4	L3
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		10/29/16 06:57	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		10/29/16 06:57	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		10/29/16 06:57	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		10/29/16 06:57	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35272936

Sample: 1614837-05 Trip Blank **Lab ID: 35272936010** Collected: 10/25/16 12:45 Received: 10/27/16 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	99	%	89-111		1		10/29/16 06:57	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	75-135		1		10/29/16 06:57	17060-07-0	
Toluene-d8 (S)	97	%	89-112		1		10/29/16 06:57	2037-26-5	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35272936

QC Batch: 329945 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35272936001, 35272936002, 35272936003, 35272936004, 35272936005

METHOD BLANK: 1762578 Matrix: Water
Associated Lab Samples: 35272936001, 35272936002, 35272936003, 35272936004, 35272936005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	11/04/16 15:02	

LABORATORY CONTROL SAMPLE: 1762579

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1762580 1762581

Parameter	Units	35271508001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	1.8	1.8	90	92	75-125	3	20	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35272936

QC Batch: 329667 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 35272936001, 35272936002

METHOD BLANK: 1761007 | Matrix: Water
Associated Lab Samples: 35272936001, 35272936002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	5.0 U	10.0	5.0	11/03/16 10:43	
Beryllium	ug/L	0.50 U	1.0	0.50	11/03/16 10:43	
Cadmium	ug/L	0.50 U	1.0	0.50	11/03/16 10:43	
Chromium	ug/L	2.5 U	5.0	2.5	11/03/16 10:43	
Cobalt	ug/L	5.0 U	10.0	5.0	11/03/16 10:43	
Copper	ug/L	2.5 U	5.0	2.5	11/03/16 10:43	
Iron	ug/L	20.0 U	40.0	20.0	11/03/16 10:43	
Nickel	ug/L	2.5 U	5.0	2.5	11/03/16 10:43	
Silver	ug/L	2.5 U	5.0	2.5	11/03/16 10:43	
Sodium	mg/L	0.50 U	1.0	0.50	11/03/16 10:43	
Vanadium	ug/L	5.0 U	10.0	5.0	11/03/16 10:43	
Zinc	ug/L	10.0 U	20.0	10.0	11/03/16 10:43	

LABORATORY CONTROL SAMPLE: 1761008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	254	102	80-120	
Beryllium	ug/L	25	24.8	99	80-120	
Cadmium	ug/L	25	25.4	102	80-120	
Chromium	ug/L	250	258	103	80-120	
Cobalt	ug/L	250	255	102	80-120	
Copper	ug/L	250	244	98	80-120	
Iron	ug/L	2500	2520	101	80-120	
Nickel	ug/L	250	241	96	80-120	
Silver	ug/L	25	23.7	95	80-120	
Sodium	mg/L	12.5	12.7	101	80-120	
Vanadium	ug/L	250	257	103	80-120	
Zinc	ug/L	1250	1150	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1761009 1761010

Parameter	Units	35272895007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	26.0	250	250	281	277	102	100	75-125	1	20	
Beryllium	ug/L	0.50 U	25	25	25.0	25.5	100	102	75-125	2	20	
Cadmium	ug/L	0.50 U	25	25	24.4	24.7	98	99	75-125	1	20	
Chromium	ug/L	16.8	250	250	279	286	105	108	75-125	3	20	
Cobalt	ug/L	5.0 U	250	250	249	255	99	102	75-125	2	20	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35272936

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1761009 1761010

Parameter	Units	35272895007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	16.0	250	250	268	272	101	103	75-125	2	20	
Iron	ug/L	1440	2500	2500	4780	4730	134	132	75-125	1	20	J(M1)
Nickel	ug/L	4.9 I	250	250	241	249	95	98	75-125	3	20	
Silver	ug/L	2.5 U	25	25	24.3	25.3	97	101	75-125	4	20	
Sodium	mg/L	22200 ug/L	12.5	12.5	36.0	35.8	110	109	75-125	0	20	
Vanadium	ug/L	25.8	250	250	283	287	103	105	75-125	1	20	
Zinc	ug/L	10.0 U	1250	1250	1160	1190	92	95	75-125	3	20	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35272936

QC Batch: 329880 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35272936003, 35272936004, 35272936005

METHOD BLANK: 1762361 Matrix: Water
Associated Lab Samples: 35272936003, 35272936004, 35272936005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	5.0 U	10.0	5.0	11/07/16 12:23	
Beryllium	ug/L	0.50 U	1.0	0.50	11/07/16 12:23	
Cadmium	ug/L	0.50 U	1.0	0.50	11/07/16 12:23	
Chromium	ug/L	2.5 U	5.0	2.5	11/07/16 12:23	
Cobalt	ug/L	5.0 U	10.0	5.0	11/07/16 12:23	
Copper	ug/L	11.6	5.0	2.5	11/07/16 12:23	
Iron	ug/L	20.0 U	40.0	20.0	11/07/16 12:23	
Nickel	ug/L	2.5 U	5.0	2.5	11/07/16 12:23	
Silver	ug/L	2.5 U	5.0	2.5	11/07/16 12:23	
Sodium	mg/L	0.50 U	1.0	0.50	11/07/16 12:23	
Vanadium	ug/L	5.0 U	10.0	5.0	11/07/16 12:23	
Zinc	ug/L	10.0 U	20.0	10.0	11/07/16 12:23	

LABORATORY CONTROL SAMPLE: 1762362

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	243	97	80-120	
Beryllium	ug/L	25	25.4	102	80-120	
Cadmium	ug/L	25	24.9	100	80-120	
Chromium	ug/L	250	250	100	80-120	
Cobalt	ug/L	250	252	101	80-120	
Copper	ug/L	250	250	100	80-120	
Iron	ug/L	2500	2490	100	80-120	
Nickel	ug/L	250	252	101	80-120	
Silver	ug/L	25	24.6	99	80-120	
Sodium	mg/L	12.5	13.0	104	80-120	
Vanadium	ug/L	250	248	99	80-120	
Zinc	ug/L	1250	1230	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1762363 1762364

Parameter	Units	35272736001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	49.8	250	250	302	292	101	97	75-125	3	20	
Beryllium	ug/L	0.50 U	25	25	26.8	26.4	107	105	75-125	1	20	
Cadmium	ug/L	0.50 U	25	25	25.0	24.1	100	96	75-125	4	20	
Chromium	ug/L	2.9 I	250	250	259	253	102	100	75-125	2	20	
Cobalt	ug/L	5.0 U	250	250	258	249	103	100	75-125	4	20	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35272936

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1762363 1762364

Parameter	Units	35272736001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	2.5 U	250	250	263	254	105	102	75-125	4	20	
Iron	ug/L	3840	2500	2500	6490	6290	106	98	75-125	3	20	
Nickel	ug/L	2.5 U	250	250	257	249	103	99	75-125	3	20	
Silver	ug/L	2.5 U	25	25	25.6	24.7	102	99	75-125	3	20	
Sodium	mg/L	16.7	12.5	12.5	30.4	29.1	110	99	75-125	4	20	
Vanadium	ug/L	5.0 U	250	250	261	254	103	100	75-125	3	20	
Zinc	ug/L	10.0 U	1250	1250	1270	1240	102	99	75-125	3	20	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35272936

QC Batch: 329883 | Analysis Method: EPA 6020
QC Batch Method: EPA 3010 | Analysis Description: 6020 MET
Associated Lab Samples: 35272936001, 35272936002, 35272936003, 35272936004, 35272936005

METHOD BLANK: 1762374 | Matrix: Water
Associated Lab Samples: 35272936001, 35272936002, 35272936003, 35272936004, 35272936005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/04/16 15:28	
Arsenic	ug/L	0.50 U	1.0	0.50	11/04/16 15:28	
Lead	ug/L	0.50 U	1.0	0.50	11/04/16 15:28	
Selenium	ug/L	0.50 U	1.0	0.50	11/04/16 15:28	
Thallium	ug/L	0.50 U	1.0	0.50	11/04/16 15:28	

LABORATORY CONTROL SAMPLE: 1762375

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	46.3	93	80-120	
Arsenic	ug/L	50	46.9	94	80-120	
Lead	ug/L	50	48.4	97	80-120	
Selenium	ug/L	50	47.6	95	80-120	
Thallium	ug/L	50	48.1	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1762376 1762377

Parameter	Units	35272737001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	45.9	45.6	92	91	75-125	1	20	
Arsenic	ug/L	3.2	50	50	50.1	49.5	94	93	75-125	1	20	
Lead	ug/L	0.50 U	50	50	51.1	50.4	102	101	75-125	1	20	
Selenium	ug/L	0.50 U	50	50	45.5	45.2	90	90	75-125	1	20	
Thallium	ug/L	0.50 U	50	50	51.1	50.6	102	101	75-125	1	20	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35272936

QC Batch: 328863 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35272936001, 35272936003, 35272936004, 35272936006, 35272936007, 35272936008, 35272936009, 35272936010

METHOD BLANK: 1756114 Matrix: Water
Associated Lab Samples: 35272936001, 35272936003, 35272936004, 35272936006, 35272936007, 35272936008, 35272936009, 35272936010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	10/29/16 04:13	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	10/29/16 04:13	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	10/29/16 04:13	
2-Hexanone	ug/L	5.0 U	10.0	5.0	10/29/16 04:13	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	10/29/16 04:13	
Acetone	ug/L	10.0 U	20.0	10.0	10/29/16 04:13	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	10/29/16 04:13	
Benzene	ug/L	0.10 U	1.0	0.10	10/29/16 04:13	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	10/29/16 04:13	
Bromoform	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
Bromomethane	ug/L	0.50 U	5.0	0.50	10/29/16 04:13	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	10/29/16 04:13	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
Chloroethane	ug/L	0.50 U	10.0	0.50	10/29/16 04:13	
Chloroform	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
Chloromethane	ug/L	0.62 U	1.0	0.62	10/29/16 04:13	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	10/29/16 04:13	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	10/29/16 04:13	
Dibromomethane	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
Iodomethane	ug/L	0.50 U	10.0	0.50	10/29/16 04:13	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	10/29/16 04:13	
Styrene	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
Toluene	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	10/29/16 04:13	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	10/29/16 04:13	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35272936

METHOD BLANK: 1756114 Matrix: Water

Associated Lab Samples: 35272936001, 35272936003, 35272936004, 35272936006, 35272936007, 35272936008, 35272936009, 35272936010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	10/29/16 04:13	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	10/29/16 04:13	
Xylene (Total)	ug/L	1.5 U	3.0	1.5	10/29/16 04:13	
1,2-Dichloroethane-d4 (S)	%	110	75-135		10/29/16 04:13	
4-Bromofluorobenzene (S)	%	100	89-111		10/29/16 04:13	
Toluene-d8 (S)	%	97	89-112		10/29/16 04:13	

LABORATORY CONTROL SAMPLE & LCSD: 1756115 1757962

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.8	19.3	94	97	70-130	3	40	
1,1,1-Trichloroethane	ug/L	20	17.0	16.9	85	84	70-130	1	40	
1,1,2,2-Tetrachloroethane	ug/L	20	19.2	19.6	96	98	70-130	2	40	
1,1,2-Trichloroethane	ug/L	20	18.6	18.4	93	92	70-130	1	40	
1,1-Dichloroethane	ug/L	20	17.6	18.5	88	93	70-130	5	40	
1,1-Dichloroethene	ug/L	20	21.1	23.6	105	118	65-134	11	40	
1,2,3-Trichloropropane	ug/L	20	18.5	19.4	92	97	65-135	5	40	
1,2-Dichlorobenzene	ug/L	20	18.6	19.1	93	95	70-130	2	40	
1,2-Dichloroethane	ug/L	20	18.8	19.6	94	98	70-130	4	40	
1,2-Dichloropropane	ug/L	20	17.4	17.2	87	86	70-130	1	40	
1,4-Dichlorobenzene	ug/L	20	18.3	18.6	91	93	70-130	2	40	
2-Butanone (MEK)	ug/L	40	36.4	37.4	91	94	61-129	3	40	
2-Hexanone	ug/L	40	44.0	45.6	110	114	68-131	4	40	
4-Methyl-2-pentanone (MIBK)	ug/L	40	41.1	43.0	103	108	70-130	5	40	
Acetone	ug/L	40	50.2	47.3	126	118	44-155	6	40	
Acrylonitrile	ug/L	200	175	182	88	91	59-138	4	40	
Benzene	ug/L	20	17.0	17.7	85	89	70-130	4	40	
Bromochloromethane	ug/L	20	17.9	17.8	90	89	70-130	1	40	
Bromodichloromethane	ug/L	20	18.2	18.9	91	94	70-130	4	40	
Bromoform	ug/L	20	17.4	18.3	87	92	62-129	5	40	
Bromomethane	ug/L	20	21.7	26.1	109	131	10-179	18	40	
Carbon disulfide	ug/L	20	21.3	22.0	106	110	40-156	3	40	
Carbon tetrachloride	ug/L	20	16.6	18.1	83	90	66-127	9	40	
Chlorobenzene	ug/L	20	19.4	19.6	97	98	70-130	1	40	
Chloroethane	ug/L	20	26.0	28.4	130	142	57-142	9	40	
Chloroform	ug/L	20	17.5	16.6	87	83	70-130	5	40	
Chloromethane	ug/L	20	24.3	24.9	121	124	45-150	3	40	
cis-1,2-Dichloroethene	ug/L	20	18.1	18.7	90	93	70-130	3	40	
cis-1,3-Dichloropropene	ug/L	20	17.0	17.7	85	89	70-130	4	40	
Dibromochloromethane	ug/L	20	18.5	18.5	93	92	70-130	0	40	
Dibromomethane	ug/L	20	18.4	18.2	92	91	70-130	1	40	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35272936

LABORATORY CONTROL SAMPLE & LCSD: 1756115 1757962

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethylbenzene	ug/L	20	18.2	18.4	91	92	70-130	1	40	
Iodomethane	ug/L	40	46.1	45.1	115	113	21-150	2	40	
Methylene Chloride	ug/L	20	20.3	20.1	101	100	65-127	1	40	
Styrene	ug/L	20	19.8	20.6	99	103	70-130	4	40	
Tetrachloroethene	ug/L	20	16.3	16.6	81	83	48-155	2	40	
Toluene	ug/L	20	18.0	18.9	90	94	70-130	5	40	
trans-1,2-Dichloroethene	ug/L	20	18.7	18.2	93	91	68-126	3	40	
trans-1,3-Dichloropropene	ug/L	20	17.5	19.2	88	96	70-130	9	40	
trans-1,4-Dichloro-2-butene	ug/L	20	17.3	19.3	87	96	46-138	11	40	
Trichloroethene	ug/L	20	16.5	16.5	82	83	69-129	0	40	
Trichlorofluoromethane	ug/L	20	27.7	29.2	139	146	60-144	5	40	J(L0)
Vinyl acetate	ug/L	20	20.6	20.5	103	102	70-130	1	40	
Vinyl chloride	ug/L	20	23.5	24.5	118	122	67-136	4	40	
Xylene (Total)	ug/L	60	53.7	57.1	90	95	70-130	6	40	
1,2-Dichloroethane-d4 (S)	%				110	100	75-135		40	
4-Bromofluorobenzene (S)	%				102	102	89-111		40	
Toluene-d8 (S)	%				94	93	89-112		40	

SAMPLE DUPLICATE: 1757960

Parameter	Units	35272936003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35272936

SAMPLE DUPLICATE: 1757960

Parameter	Units	35272936003 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	1.5 U	1.5 U		40	
1,2-Dichloroethane-d4 (S)	%	108	110	2	40	
4-Bromofluorobenzene (S)	%	97	97	0	40	
Toluene-d8 (S)	%	95	97	2	40	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35272936

QC Batch: 329149 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 35272936002, 35272936005

METHOD BLANK: 1758042 | Matrix: Water
Associated Lab Samples: 35272936002, 35272936005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	10/30/16 19:11	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	10/30/16 19:11	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	10/30/16 19:11	
2-Hexanone	ug/L	5.0 U	10.0	5.0	10/30/16 19:11	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	10/30/16 19:11	
Acetone	ug/L	10.0 U	20.0	10.0	10/30/16 19:11	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	10/30/16 19:11	
Benzene	ug/L	0.10 U	1.0	0.10	10/30/16 19:11	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	10/30/16 19:11	
Bromoform	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
Bromomethane	ug/L	0.50 U	5.0	0.50	10/30/16 19:11	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	10/30/16 19:11	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
Chloroethane	ug/L	0.50 U	10.0	0.50	10/30/16 19:11	
Chloroform	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
Chloromethane	ug/L	0.62 U	1.0	0.62	10/30/16 19:11	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	10/30/16 19:11	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	10/30/16 19:11	
Dibromomethane	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
Iodomethane	ug/L	0.50 U	10.0	0.50	10/30/16 19:11	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	10/30/16 19:11	
Styrene	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
Toluene	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	10/30/16 19:11	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	10/30/16 19:11	
Trichloroethene	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35272936

METHOD BLANK: 1758042 Matrix: Water
Associated Lab Samples: 35272936002, 35272936005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	10/30/16 19:11	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	10/30/16 19:11	
Xylene (Total)	ug/L	1.5 U	3.0	1.5	10/30/16 19:11	
1,2-Dichloroethane-d4 (S)	%	107	75-135		10/30/16 19:11	
4-Bromofluorobenzene (S)	%	100	89-111		10/30/16 19:11	
Toluene-d8 (S)	%	98	89-112		10/30/16 19:11	

LABORATORY CONTROL SAMPLE & LCSD: 1758043 1758044

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.3	19.3	97	96	70-130	0	40	
1,1,1-Trichloroethane	ug/L	20	16.5	16.9	83	84	70-130	2	40	
1,1,2,2-Tetrachloroethane	ug/L	20	19.9	20.3	99	102	70-130	2	40	
1,1,2-Trichloroethane	ug/L	20	18.5	18.4	93	92	70-130	1	40	
1,1-Dichloroethane	ug/L	20	18.3	18.6	92	93	70-130	1	40	
1,1-Dichloroethene	ug/L	20	20.9	24.4	105	122	65-134	15	40	
1,2,3-Trichloropropane	ug/L	20	18.0	20.4	90	102	65-135	12	40	
1,2-Dichlorobenzene	ug/L	20	19.4	20.7	97	103	70-130	6	40	
1,2-Dichloroethane	ug/L	20	18.7	18.0	94	90	70-130	4	40	
1,2-Dichloropropane	ug/L	20	16.7	17.1	84	85	70-130	2	40	
1,4-Dichlorobenzene	ug/L	20	18.5	19.0	93	95	70-130	2	40	
2-Butanone (MEK)	ug/L	40	37.5	43.2	94	108	61-129	14	40	
2-Hexanone	ug/L	40	44.4	42.1	111	105	68-131	5	40	
4-Methyl-2-pentanone (MIBK)	ug/L	40	41.5	43.7	104	109	70-130	5	40	
Acetone	ug/L	40	48.7	49.6	122	124	44-155	2	40	
Acrylonitrile	ug/L	200	178	188	89	94	59-138	5	40	
Benzene	ug/L	20	16.7	17.6	84	88	70-130	5	40	
Bromochloromethane	ug/L	20	17.0	17.5	85	88	70-130	3	40	
Bromodichloromethane	ug/L	20	18.0	18.3	90	91	70-130	2	40	
Bromoform	ug/L	20	19.1	19.4	95	97	62-129	2	40	
Bromomethane	ug/L	20	22.6	22.4	113	112	10-179	1	40	
Carbon disulfide	ug/L	20	22.4	21.5	112	108	40-156	4	40	
Carbon tetrachloride	ug/L	20	16.1	17.1	80	86	66-127	6	40	
Chlorobenzene	ug/L	20	18.7	19.5	93	97	70-130	4	40	
Chloroethane	ug/L	20	24.3	21.3	122	106	57-142	13	40	
Chloroform	ug/L	20	16.9	17.1	85	85	70-130	1	40	
Chloromethane	ug/L	20	19.4	22.6	97	113	45-150	15	40	
cis-1,2-Dichloroethene	ug/L	20	16.5	17.9	83	89	70-130	8	40	
cis-1,3-Dichloropropene	ug/L	20	16.9	17.7	85	89	70-130	4	40	
Dibromochloromethane	ug/L	20	18.2	18.8	91	94	70-130	3	40	
Dibromomethane	ug/L	20	17.0	17.3	85	86	70-130	2	40	
Ethylbenzene	ug/L	20	17.7	18.0	89	90	70-130	2	40	
Iodomethane	ug/L	40	34.3	34.4	86	86	21-150	0	40	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35272936

LABORATORY CONTROL SAMPLE & LCSD: 1758043 1758044

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methylene Chloride	ug/L	20	21.8	20.6	109	103	65-127	5	40	
Styrene	ug/L	20	17.8	19.6	89	98	70-130	10	40	
Tetrachloroethene	ug/L	20	19.2	20.2	96	101	48-155	5	40	
Toluene	ug/L	20	18.1	18.5	90	92	70-130	2	40	
trans-1,2-Dichloroethene	ug/L	20	17.9	18.1	90	91	68-126	1	40	
trans-1,3-Dichloropropene	ug/L	20	18.4	19.0	92	95	70-130	3	40	
trans-1,4-Dichloro-2-butene	ug/L	20	25.7	27.2	128	136	46-138	6	40	
Trichloroethene	ug/L	20	17.0	17.2	85	86	69-129	1	40	
Trichlorofluoromethane	ug/L	20	27.4	28.3	137	141	60-144	3	40	
Vinyl acetate	ug/L	20	19.1	19.6	95	98	70-130	3	40	
Vinyl chloride	ug/L	20	20.8	17.3	104	87	67-136	18	40	
Xylene (Total)	ug/L	60	53.5	53.9	89	90	70-130	1	40	
1,2-Dichloroethane-d4 (S)	%				106	106	75-135		40	
4-Bromofluorobenzene (S)	%				100	97	89-111		40	
Toluene-d8 (S)	%				93	95	89-112		40	

MATRIX SPIKE SAMPLE: 1758045

Parameter	Units	35272873001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	20.0	100	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	17.7	89	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	20.3	102	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	19.0	95	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	18.9	94	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	25.5	128	65-134	
1,2,3-Trichloropropane	ug/L	0.59 U	20	17.9	90	65-135	
1,2-Dichlorobenzene	ug/L	0.50 U	20	19.0	95	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	19.2	96	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	18.3	92	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	17.6	88	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	37.7	94	61-129	
2-Hexanone	ug/L	5.0 U	40	41.9	105	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	40.6	102	70-130	
Acetone	ug/L	10.0 U	40	52.7	132	44-155	
Acrylonitrile	ug/L	5.0 U	200	173	86	59-138	
Benzene	ug/L	0.10 U	20	18.4	92	70-130	
Bromochloromethane	ug/L	0.50 U	20	17.5	88	70-130	
Bromodichloromethane	ug/L	0.27 U	20	19.0	95	70-130	
Bromoform	ug/L	0.50 U	20	17.0	85	62-129	
Bromomethane	ug/L	0.50 U	20	22.8	114	10-179	
Carbon disulfide	ug/L	5.0 U	20	21.4	107	40-156	
Carbon tetrachloride	ug/L	0.50 U	20	18.9	94	66-127	
Chlorobenzene	ug/L	0.50 U	20	18.4	92	70-130	
Chloroethane	ug/L	0.50 U	20	29.0	145	57-142	J(M1)
Chloroform	ug/L	0.50 U	20	19.1	95	70-130	

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
(813)881-9401

QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35272936

MATRIX SPIKE SAMPLE: 1758045

Parameter	Units	35272873001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	28.1	140	45-150	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	19.1	96	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	13.3	67	70-130	J(M1)
Dibromochloromethane	ug/L	0.26 U	20	17.7	89	70-130	
Dibromomethane	ug/L	0.50 U	20	17.5	88	70-130	
Ethylbenzene	ug/L	0.50 U	20	18.0	90	70-130	
Iodomethane	ug/L	0.50 U	40	49.3	123	21-150	
Methylene Chloride	ug/L	2.5 U	20	23.9	120	65-127	
Styrene	ug/L	0.50 U	20	18.0	90	70-130	
Tetrachloroethene	ug/L	0.50 U	20	13.9	69	48-155	
Toluene	ug/L	0.50 U	20	18.6	93	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	19.9	100	68-126	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	14.0	70	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	11.1	55	46-138	
Trichloroethene	ug/L	0.50 U	20	16.7	84	69-129	
Trichlorofluoromethane	ug/L	0.50 U	20	32.1	161	60-144	J(M1)
Vinyl acetate	ug/L	1.0 U	20	8.4	42	70-130	J(M1)
Vinyl chloride	ug/L	0.50 U	20	27.3	137	67-136	J(M1)
Xylene (Total)	ug/L	1.5 U	60	54.9	91	70-130	
1,2-Dichloroethane-d4 (S)	%				106	75-135	
4-Bromofluorobenzene (S)	%				96	89-111	
Toluene-d8 (S)	%				95	89-112	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35272936

QC Batch: 328901 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35272936001, 35272936002

METHOD BLANK: 1756465 | Matrix: Water
Associated Lab Samples: 35272936001, 35272936002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	10/31/16 11:12	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	10/31/16 11:12	

LABORATORY CONTROL SAMPLE: 1756466

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.26	104	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.26	105	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1757658 1757659

Parameter	Units	35273023001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0048 U	.44	.44	0.69	0.71	157	162	60-140	3	40	J(M1)
1,2-Dibromoethane (EDB)	ug/L	0.0074 U	.44	.44	0.68	0.71	156	163	60-140	4	40	J(M1)

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REPORT OF LABORATORY ANALYSIS

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Oldsmar , FL 34677
(813)881-9401

QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35272936

QC Batch: 329987 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35272936003, 35272936004, 35272936005

METHOD BLANK: 1762748 | Matrix: Water
Associated Lab Samples: 35272936003, 35272936004, 35272936005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	11/04/16 09:15	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	11/04/16 09:15	

LABORATORY CONTROL SAMPLE: 1762749

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.34	136	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.31	126	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1762854 1762855

Parameter	Units	35273565002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	.44	.44	0.42	0.63	96	145	60-140	41	40	J(M1), J(R1)
1,2-Dibromoethane (EDB)	ug/L	0.0081 U	.44	.44	0.40	0.55	91	126	60-140	33	40	

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Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
(813)881-9401

QUALIFIERS

Project: 1614837
Pace Project No.: 35272936

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 adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

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.

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
J(L0)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(R1)	Estimated Value. RPD value was outside control limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
(813)881-9401

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1614837
Pace Project No.: 35272936

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35272936001	**1614837-01**	EPA 8011	328901	EPA 8011	329067
35272936002	**1614837-02**	EPA 8011	328901	EPA 8011	329067
35272936003	**1614837-03**	EPA 8011	329987	EPA 8011	330283
35272936004	**1614837-04**	EPA 8011	329987	EPA 8011	330283
35272936005	**1614837-05**	EPA 8011	329987	EPA 8011	330283
35272936001	**1614837-01**	EPA 3010	329667	EPA 6010	329773
35272936002	**1614837-02**	EPA 3010	329667	EPA 6010	329773
35272936003	**1614837-03**	EPA 3010	329880	EPA 6010	330017
35272936004	**1614837-04**	EPA 3010	329880	EPA 6010	330017
35272936005	**1614837-05**	EPA 3010	329880	EPA 6010	330017
35272936001	**1614837-01**	EPA 3010	329883	EPA 6020	330020
35272936002	**1614837-02**	EPA 3010	329883	EPA 6020	330020
35272936003	**1614837-03**	EPA 3010	329883	EPA 6020	330020
35272936004	**1614837-04**	EPA 3010	329883	EPA 6020	330020
35272936005	**1614837-05**	EPA 3010	329883	EPA 6020	330020
35272936001	**1614837-01**	EPA 7470	329945	EPA 7470	330031
35272936002	**1614837-02**	EPA 7470	329945	EPA 7470	330031
35272936003	**1614837-03**	EPA 7470	329945	EPA 7470	330031
35272936004	**1614837-04**	EPA 7470	329945	EPA 7470	330031
35272936005	**1614837-05**	EPA 7470	329945	EPA 7470	330031
35272936001	**1614837-01**	EPA 8260	328863		
35272936002	**1614837-02**	EPA 8260	329149		
35272936003	**1614837-03**	EPA 8260	328863		
35272936004	**1614837-04**	EPA 8260	328863		
35272936005	**1614837-05**	EPA 8260	329149		
35272936006	**1614837-01 Trip Blank**	EPA 8260	328863		
35272936007	**1614837-02 Trip Blank**	EPA 8260	328863		
35272936008	**1614837-03 Trip Blank**	EPA 8260	328863		
35272936009	**1614837-04 Trip Blank**	EPA 8260	328863		
35272936010	**1614837-05 Trip Blank**	EPA 8260	328863		

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WO# : 35272936

35272936

SUBCONTRACT ORDER

ern Analytical Laboratories, Inc.

1614837

SENDING LABORATORY:

Southern Analytical Laboratories, Inc.
110 Bayview Blvd
Oldsmar, FL 34677
Phone: (813) 855-1844
Fax: (813) 855-2218
Project Manager: Kathryn Nordmark

RECEIVING LABORATORY:

Pace Analytical
8 East Tower Circle
Ormond Beach, FL 32174
Phone :(386) 672-5568
Fax: -

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-01	**Water**	**Sampled: 10/19/16 11:33**		**need adapt**
V 6010	11/04/16 00:00	04/17/17 11:33		
8011	11/04/16 00:00	11/01/16 11:33		
ZN 6020	11/04/16 00:00	04/17/17 11:33		
Tracking - ADaPT Report	11/04/16 00:00	10/19/16 11:33		
TL 6020	11/04/16 00:00	04/17/17 11:33		
SE 6020	11/04/16 00:00	04/17/17 11:33		
SB 6020	11/04/16 00:00	04/17/17 11:33		
PB 6020	11/04/16 00:00	04/17/17 11:33		
NI 6020	11/04/16 00:00	04/17/17 11:33		
NA 6010	11/04/16 00:00	04/17/17 11:33		
HG 7470	11/04/16 00:00	11/16/16 11:33		
AG 6010	11/04/16 00:00	04/17/17 11:33		
CU 6020	11/04/16 00:00	04/17/17 11:33		
CR 6020	11/04/16 00:00	04/17/17 11:33		
CO 6010	11/04/16 00:00	04/17/17 11:33		
CD 6020	11/04/16 00:00	04/17/17 11:33		
BE 6010	11/04/16 00:00	04/17/17 11:33		
BA 6010	11/04/16 00:00	04/17/17 11:33		
AS 6020	11/04/16 00:00	04/17/17 11:33		
8260 Appendix I	11/04/16 00:00	11/02/16 11:33		
FE 6010	11/04/16 00:00	04/17/17 11:33		

Per sample:
8260 - $50
App I metals - $60
8011 - $50

Containers Supplied:

1x 40mL V, HCl - For Samples -01, 02

3x 40mL V, Cool
1x 250mL P, HNO_3
1x Trip Blank
- per Sample

3x 40mL V HCl, For Samples -03 -04 -05

Released By	Date	Received By	Date
	10-27-16	Pace	10/27 1530
Pace	10/27 2000	FLX	10/27 2000
FLX	10/28/16 00:10	Pace	10/28/16 0010

WO# : 35272936

PM: LAP Due Date: 11/03/16

CLIENT: 37-SOUANA

SUBCONTRACT ORDER

outhern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-02	**Water**	**Sampled:10/19/16 13:35**		**need adapt**
CU 6020	11/04/16 00:00	04/17/17 13:35		
FE 6010	11/04/16 00:00	04/17/17 13:35		
HG 7470	11/04/16 00:00	11/16/16 13:35		
NA 6010	11/04/16 00:00	04/17/17 13:35		
NI 6020	11/04/16 00:00	04/17/17 13:35		
CR 6020	11/04/16 00:00	04/17/17 13:35		
TL 6020	11/04/16 00:00	04/17/17 13:35		
8260 Appendix I	11/04/16 00:00	11/02/16 13:35		
SB 6020	11/04/16 00:00	04/17/17 13:35		
CO 6010	11/04/16 00:00	04/17/17 13:35		
CD 6020	11/04/16 00:00	04/17/17 13:35		
ZN 6020	11/04/16 00:00	04/17/17 13:35		
AG 6010	11/04/16 00:00	04/17/17 13:35		
BE 6010	11/04/16 00:00	04/17/17 13:35		
8011	11/04/16 00:00	11/01/16 13:35		
AS 6020	11/04/16 00:00	04/17/17 13:35		
BA 6010	11/04/16 00:00	04/17/17 13:35		
Tracking - ADaPT Report	11/04/16 00:00	10/19/16 13:35		
SE 6020	11/04/16 00:00	04/17/17 13:35		
V 6010	11/04/16 00:00	04/17/17 13:35		
PB 6020	11/04/16 00:00	04/17/17 13:35		

Containers Supplied:

Released By	Date	Received By	Date
[signature]	10-27-16	[signature]	10/27 1530
[signature]	10/27 2000	FLX	10/27 2000
FLX	10/28/16 0010	Chelsea Pace	10/28/16 0010

WO#: 35272936

PM: LAP Due Date: 11/03/16

CLIENT: 37-SOUANA

SUBCONTRACT ORDER

ɔuthern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-03	**Water**	**Sampled:10/25/16 14:30**		
CR 6020	11/04/16 00:00	04/23/17 14:30		
CO 6010	11/04/16 00:00	04/23/17 14:30		
CD 6020	11/04/16 00:00	04/23/17 14:30		
BE 6010	11/04/16 00:00	04/23/17 14:30		
BA 6010	11/04/16 00:00	04/23/17 14:30		
AS 6020	11/04/16 00:00	04/23/17 14:30		
ZN 6020	11/04/16 00:00	04/23/17 14:30		
8260 Appendix I	11/04/16 00:00	11/08/16 14:30		
CU 6020	11/04/16 00:00	04/23/17 14:30		
NA 6010	11/04/16 00:00	04/23/17 14:30		
AG 6010	11/04/16 00:00	04/23/17 14:30		
HG 7470	11/04/16 00:00	11/22/16 14:30		
FE 6010	11/04/16 00:00	04/23/17 14:30		
PB 6020	11/04/16 00:00	04/23/17 14:30		
SB 6020	11/04/16 00:00	04/23/17 14:30		
SE 6020	11/04/16 00:00	04/23/17 14:30		
TL 6020	11/04/16 00:00	04/23/17 14:30		
Tracking - ADaPT Report	11/04/16 00:00	10/25/16 14:30		
V 6010	11/04/16 00:00	04/23/17 14:30		
NI 6020	11/04/16 00:00	04/23/17 14:30		
8011	11/04/16 00:00	11/07/16 14:30		

Containers Supplied:

Released By	Date	Received By	Date
	10-27-16	Pace	10/27 1530
	10/27 2000	FLX	10/28 2000
FLX	10/28/16 0010	Pace	10/28/16 0010

WO#: 35272936

PM: LAP Due Date: 11/03/16

CLIENT: 37-SOUANA

SUBCONTRACT ORDER

thern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-04	**Water**	**Sampled:10/25/16 13:34**		
BE 6010	11/04/16 00:00	04/23/17 13:34		
SB 6020	11/04/16 00:00	04/23/17 13:34		
NA 6010	11/04/16 00:00	04/23/17 13:34		
HG 7470	11/04/16 00:00	11/22/16 13:34		
CU 6020	11/04/16 00:00	04/23/17 13:34		
SE 6020	11/04/16 00:00	04/23/17 13:34		
CD 6020	11/04/16 00:00	04/23/17 13:34		
8011	11/04/16 00:00	11/07/16 13:34		
8260 Appendix I	11/04/16 00:00	11/08/16 13:34		
FE 6010	11/04/16 00:00	04/23/17 13:34		
AS 6020	11/04/16 00:00	04/23/17 13:34		
ZN 6020	11/04/16 00:00	04/23/17 13:34		
V 6010	11/04/16 00:00	04/23/17 13:34		
AG 6010	11/04/16 00:00	04/23/17 13:34		
CO 6010	11/04/16 00:00	04/23/17 13:34		
CR 6020	11/04/16 00:00	04/23/17 13:34		
TL 6020	11/04/16 00:00	04/23/17 13:34		
Tracking - ADaPT Report	11/04/16 00:00	10/25/16 13:34		
NI 6020	11/04/16 00:00	04/23/17 13:34		
PB 6020	11/04/16 00:00	04/23/17 13:34		
BA 6010	11/04/16 00:00	04/23/17 13:34		

Containers Supplied:

Released By	Date	Received By	Date
[signature]	10-27-16	[signature] Pace	10/27 1530
[signature]	10/29 2000	FLX	10/29 2000
FLX	10/28/16 0010	Christeakta Pace	10/28/16 0010

WO#: 35272936

PM: LAP Due Date: 11/03/16

CLIENT: 37-SOUANA

SUBCONTRACT ORDER

thern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-05	**Water**	**Sampled:10/25/16 12:45**		
NA 6010	11/04/16 00:00	04/23/17 12:45		
8011	11/04/16 00:00	11/07/16 12:45		
8260 Appendix I	11/04/16 00:00	11/08/16 12:45		
SB 6020	11/04/16 00:00	04/23/17 12:45		
SE 6020	11/04/16 00:00	04/23/17 12:45		
AG 6010	11/04/16 00:00	04/23/17 12:45		
Tracking - ADaPT Report	11/04/16 00:00	10/25/16 12:45		
V 6010	11/04/16 00:00	04/23/17 12:45		
CO 6010	11/04/16 00:00	04/23/17 12:45		
CD 6020	11/04/16 00:00	04/23/17 12:45		
BE 6010	11/04/16 00:00	04/23/17 12:45		
CU 6020	11/04/16 00:00	04/23/17 12:45		
AS 6020	11/04/16 00:00	04/23/17 12:45		
HG 7470	11/04/16 00:00	11/22/16 12:45		
TL 6020	11/04/16 00:00	04/23/17 12:45		
ZN 6020	11/04/16 00:00	04/23/17 12:45		
NI 6020	11/04/16 00:00	04/23/17 12:45		
PB 6020	11/04/16 00:00	04/23/17 12:45		
CR 6020	11/04/16 00:00	04/23/17 12:45		
FE 6010	11/04/16 00:00	04/23/17 12:45		
BA 6010	11/04/16 00:00	04/23/17 12:45		

Containers Supplied:

Released By	Date	Received By	Date
	10-27-16		10/27
	10/27	FLX	10/27
FLX	10/28/16 0010	Pace	10/28/16 0010

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: August 10, 2016
	Document No.: F-FL-C-007 rev. 10	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # WO#: 35272936

Project Manager: PM: LAP **Due Date:** 11/03/16

Client: CLIENT: 37-SOUANA

Date and Initials of person:
Examining contents: CLG
Label: 10/28/16
Deliver:
pH: CLG

Thermometer Used: 1-210 Date: 10/28/16 Time: 0016 Initials: AP

Samples shorted to lab (If Yes, complete) Shorted Date: _____ Shorted Time: _____ Qty: _____

Cooler #1 Temp.°C 0.3 (Visual) +0.3 (Correction Factor) 0.6 (Actual) ☑ Samples on ice, cooling process has begun
Cooler #2 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun

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

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ Other _____

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals intact:** ☐ Yes ☐ No **Ice:** (Wet) Blue None

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

		Comments:
Chain of Custody Present	☑ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☑ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☑ Yes ☑ No ☐ N/A	
Samples Arrived within Hold Time	☑ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☑ No ☐ N/A	
Sufficient Volume	☑ Yes ☐ No ☐ N/A	
Correct Containers Used	☑ Yes ☐ No ☐ N/A	
Containers Intact	☑ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☑ Yes ☐ No ☐ N/A	-04 Preservation Information Preservative: 0.5mL 1:1 HNO_3
All Containers needing preservation are found to be in compliance with EPA recommendation. Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☑ Yes ☐ No ☐ N/A	metals Lot #/Trace #: AME-9518 Date: 10/28/16 Time: 0248 Initials: CLG
Headspace in VOA Vials? (>6mm):	☐ Yes ☑ No ☐ N/A	
Trip Blank Present:	☑ Yes ☐ No ☐ N/A	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments): -04 pH$_i$ = 2.5 pH$_f$ < 2 (metals)

Project Manager Review: _____ Date: _____

Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
(813)881-9401

November 09, 2016

Kathryn Nordmark
Southern Analytical Laboratories, Inc.
110 S Bayview Blvd.
Oldsmar, FL 34677

RE: Project: 1614837
Pace Project No.: 35273274

Dear Kathryn Nordmark:
Enclosed are the analytical results for sample(s) received by the laboratory on October 29, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Jeff Baylor

Jeff Baylor for
Lori Palmer
lori.palmer@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 1614837
Pace Project No.: 35273274

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: 1614837
Pace Project No.: 35273274

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35273274001	**1614837-06**	Water	10/26/16 11:30	10/29/16 00:05
35273274002	**1614837-07**	Water	10/26/16 12:36	10/29/16 00:05
35273274003	**1614837-08**	Water	10/26/16 14:15	10/29/16 00:05
35273274004	**1614837-09**	Water	10/26/16 15:15	10/29/16 00:05
35273274005	**1614837-10**	Water	10/26/16 16:40	10/29/16 00:05
35273274006	**1614837-11**	Water	10/27/16 12:07	10/29/16 00:05
35273274007	**1614837-12**	Water	10/27/16 13:12	10/29/16 00:05
35273274008	**1614837-13**	Water	10/27/16 14:25	10/29/16 00:05
35273274009	**1614837-14**	Water	10/27/16 15:55	10/29/16 00:05
35273274010	**TRIP BLANK - 1614837-06**	Water	10/27/16 00:01	10/29/16 00:05
35273274011	**TRIP BLANK - 1614837-07**	Water	10/27/16 00:01	10/29/16 00:05
35273274012	**TRIP BLANK - 1614837-08**	Water	10/27/16 00:01	10/29/16 00:05
35273274013	**TRIP BLANK - 1614837-09**	Water	10/27/16 00:01	10/29/16 00:05
35273274014	**TRIP BLANK - 1614837-10**	Water	10/27/16 00:01	10/29/16 00:05
35273274015	**TRIP BLANK - 1614837-11**	Water	10/27/16 00:01	10/29/16 00:05
35273274016	**TRIP BLANK - 1614837-12**	Water	10/27/16 00:01	10/29/16 00:05
35273274017	**TRIP BLANK - 1614837-13**	Water	10/27/16 00:01	10/29/16 00:05
35273274018	**TRIP BLANK - 1614837-14**	Water	10/27/16 00:01	10/29/16 00:05

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SAMPLE ANALYTE COUNT

Project: 1614837
Pace Project No.: 35273274

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35273274001	**1614837-06**	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	KMW	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35273274002	**1614837-07**	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	KMW	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35273274003	**1614837-08**	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	KMW	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35273274004	**1614837-09**	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	KMW	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35273274005	**1614837-10**	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	KMW	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35273274006	**1614837-11**	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	KMW	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35273274007	**1614837-12**	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	KMW	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35273274008	**1614837-13**	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O

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SAMPLE ANALYTE COUNT

Project: 1614837
Pace Project No.: 35273274

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020	KMW	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35273274009	**1614837-14**	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	KMW	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35273274010	**TRIP BLANK - 1614837-06**	EPA 8260	SK1	48	PASI-O
35273274011	**TRIP BLANK - 1614837-07**	EPA 8260	SK1	48	PASI-O
35273274012	**TRIP BLANK - 1614837-08**	EPA 8260	SK1	48	PASI-O
35273274013	**TRIP BLANK - 1614837-09**	EPA 8260	SK1	48	PASI-O
35273274014	**TRIP BLANK - 1614837-10**	EPA 8260	SK1	48	PASI-O
35273274015	**TRIP BLANK - 1614837-11**	EPA 8260	SK1	48	PASI-O
35273274016	**TRIP BLANK - 1614837-12**	EPA 8260	SK1	48	PASI-O
35273274017	**TRIP BLANK - 1614837-13**	EPA 8260	SK1	48	PASI-O
35273274018	**TRIP BLANK - 1614837-14**	EPA 8260	SK1	48	PASI-O

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-06 **Lab ID: 35273274001** Collected: 10/26/16 11:30 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0048 U**	ug/L	0.019	0.0048	1	11/07/16 05:15	11/07/16 16:08	96-12-8	
1,2-Dibromoethane (EDB)	**0.0073 U**	ug/L	0.0097	0.0073	1	11/07/16 05:15	11/07/16 16:08	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**8.7 I**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:04	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:04	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:04	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:04	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:04	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:04	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/01/16 16:48	11/02/16 15:04	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:04	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:04	7440-22-4	
Sodium	**10.5**	mg/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:04	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:04	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/01/16 16:48	11/02/16 15:04	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:00	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:00	7440-38-2	
Lead	**0.53 I**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:00	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:00	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:00	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/05/16 05:35	11/07/16 14:51	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/02/16 14:39	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 14:39	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/02/16 14:39	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/02/16 14:39	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/02/16 14:39	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 14:39	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 14:39	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 14:39	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/02/16 14:39	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/02/16 14:39	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-06 **Lab ID: 35273274001** Collected: 10/26/16 11:30 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 14:39	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 14:39	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 14:39	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 14:39	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 14:39	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/02/16 14:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 14:39	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/02/16 14:39	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/02/16 14:39	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/02/16 14:39	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/02/16 14:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	108	%	89-111		1		11/02/16 14:39	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	75-135		1		11/02/16 14:39	17060-07-0	
Toluene-d8 (S)	95	%	89-112		1		11/02/16 14:39	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-07 **Lab ID: 35273274002** Collected: 10/26/16 12:36 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0046 U**	ug/L	0.019	0.0046	1	11/07/16 05:15	11/07/16 16:23	96-12-8	
1,2-Dibromoethane (EDB)	**0.0071 U**	ug/L	0.0095	0.0071	1	11/07/16 05:15	11/07/16 16:23	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**7.8 I**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:08	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:08	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:08	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:08	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:08	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:08	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/01/16 16:48	11/02/16 15:08	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:08	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:08	7440-22-4	
Sodium	**10**	mg/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:08	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:08	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/01/16 16:48	11/02/16 15:08	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:08	7440-36-0	
Arsenic	**0.62 I**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:08	7440-38-2	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:08	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:08	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:08	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/05/16 05:35	11/07/16 14:53	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/02/16 15:33	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:33	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/02/16 15:33	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/02/16 15:33	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/02/16 15:33	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:33	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:33	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 15:33	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/02/16 15:33	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/02/16 15:33	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-07 **Lab ID: 35273274002** Collected: 10/26/16 12:36 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:33	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 15:33	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 15:33	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:33	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 15:33	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/02/16 15:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:33	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/02/16 15:33	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/02/16 15:33	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/02/16 15:33	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/02/16 15:33	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	105	%	89-111		1		11/02/16 15:33	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	75-135		1		11/02/16 15:33	17060-07-0	
Toluene-d8 (S)	95	%	89-112		1		11/02/16 15:33	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-08 **Lab ID: 35273274003** Collected: 10/26/16 14:15 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0046 U**	ug/L	0.019	0.0046	1	11/07/16 05:15	11/07/16 16:38	96-12-8	
1,2-Dibromoethane (EDB)	**0.0071 U**	ug/L	0.0095	0.0071	1	11/07/16 05:15	11/07/16 16:38	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**7.8 I**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:12	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:12	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:12	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:12	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:12	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:12	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/01/16 16:48	11/02/16 15:12	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:12	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:12	7440-22-4	
Sodium	**9.2**	mg/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:12	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:12	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/01/16 16:48	11/02/16 15:12	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:11	7440-36-0	
Arsenic	**0.68 I**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:11	7440-38-2	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:11	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:11	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:11	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/05/16 05:35	11/07/16 14:55	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/02/16 15:59	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:59	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/02/16 15:59	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/02/16 15:59	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/02/16 15:59	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:59	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:59	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 15:59	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/02/16 15:59	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/02/16 15:59	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-08 **Lab ID: 35273274003** Collected: 10/26/16 14:15 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:59	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 15:59	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 15:59	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:59	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 15:59	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/02/16 15:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:59	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/02/16 15:59	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/02/16 15:59	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/02/16 15:59	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/02/16 15:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	107	%	89-111		1		11/02/16 15:59	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	75-135		1		11/02/16 15:59	17060-07-0	
Toluene-d8 (S)	95	%	89-112		1		11/02/16 15:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-09 **Lab ID: 35273274004** Collected: 10/26/16 15:15 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0046 U**	ug/L	0.019	0.0046	1	11/07/16 05:15	11/07/16 16:54	96-12-8	
1,2-Dibromoethane (EDB)	**0.0071 U**	ug/L	0.0095	0.0071	1	11/07/16 05:15	11/07/16 16:54	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**10.2**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:16	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:16	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:16	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:16	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:16	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:16	7440-50-8	
Iron	**27.4 I**	ug/L	40.0	20.0	1	11/01/16 16:48	11/02/16 15:16	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:16	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:16	7440-22-4	
Sodium	**12.2**	mg/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:16	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:16	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/01/16 16:48	11/02/16 15:16	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:14	7440-36-0	
Arsenic	**0.74 I**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:14	7440-38-2	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:14	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:14	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/05/16 05:35	11/07/16 14:57	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/02/16 16:26	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:26	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/02/16 16:26	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/02/16 16:26	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/02/16 16:26	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:26	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:26	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 16:26	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/02/16 16:26	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/02/16 16:26	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-09 **Lab ID: 35273274004** Collected: 10/26/16 15:15 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:26	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 16:26	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 16:26	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:26	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 16:26	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/02/16 16:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:26	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/02/16 16:26	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/02/16 16:26	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/02/16 16:26	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/02/16 16:26	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	107	%	89-111		1		11/02/16 16:26	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	75-135		1		11/02/16 16:26	17060-07-0	
Toluene-d8 (S)	96	%	89-112		1		11/02/16 16:26	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-10 **Lab ID: 35273274005** Collected: 10/26/16 16:40 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0046 U**	ug/L	0.019	0.0046	1	11/07/16 05:15	11/07/16 17:09	96-12-8	
1,2-Dibromoethane (EDB)	**0.0070 U**	ug/L	0.0093	0.0070	1	11/07/16 05:15	11/07/16 17:09	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**22.2**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:20	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:20	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:20	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:20	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:20	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:20	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/01/16 16:48	11/02/16 15:20	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:20	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:20	7440-22-4	
Sodium	**39.3**	mg/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:20	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:20	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/01/16 16:48	11/02/16 15:20	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:16	7440-36-0	
Arsenic	**0.56 I**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:16	7440-38-2	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:16	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:16	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:16	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/05/16 05:35	11/07/16 14:59	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/02/16 16:50	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:50	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/02/16 16:50	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/02/16 16:50	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/02/16 16:50	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:50	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:50	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 16:50	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/02/16 16:50	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/02/16 16:50	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-10 **Lab ID: 35273274005** Collected: 10/26/16 16:40 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:50	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 16:50	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 16:50	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:50	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 16:50	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/02/16 16:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:50	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/02/16 16:50	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/02/16 16:50	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/02/16 16:50	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/02/16 16:50	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	105	%	89-111		1		11/02/16 16:50	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	75-135		1		11/02/16 16:50	17060-07-0	
Toluene-d8 (S)	95	%	89-112		1		11/02/16 16:50	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-11 **Lab ID: 35273274006** Collected: 10/27/16 12:07 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0047 U**	ug/L	0.019	0.0047	1	11/07/16 05:15	11/07/16 17:24	96-12-8	
1,2-Dibromoethane (EDB)	**0.0072 U**	ug/L	0.0096	0.0072	1	11/07/16 05:15	11/07/16 17:24	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**11.1**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:24	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:24	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:24	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:24	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:24	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:24	7440-50-8	
Iron	**40.7**	ug/L	40.0	20.0	1	11/01/16 16:48	11/02/16 15:24	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:24	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:24	7440-22-4	
Sodium	**12.3**	mg/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:24	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:24	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/01/16 16:48	11/02/16 15:24	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:19	7440-36-0	
Arsenic	**0.52 I**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:19	7440-38-2	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:19	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:19	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:19	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 17:03	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/02/16 17:14	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 17:14	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/02/16 17:14	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/02/16 17:14	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/02/16 17:14	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 17:14	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 17:14	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 17:14	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/02/16 17:14	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/02/16 17:14	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-11 **Lab ID: 35273274006** Collected: 10/27/16 12:07 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 17:14	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 17:14	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 17:14	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 17:14	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 17:14	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/02/16 17:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 17:14	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/02/16 17:14	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/02/16 17:14	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/02/16 17:14	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/02/16 17:14	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	106	%	89-111		1		11/02/16 17:14	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	75-135		1		11/02/16 17:14	17060-07-0	
Toluene-d8 (S)	94	%	89-112		1		11/02/16 17:14	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-12 **Lab ID: 35273274007** Collected: 10/27/16 13:12 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0047 U**	ug/L	0.019	0.0047	1	11/07/16 05:15	11/07/16 17:39	96-12-8	
1,2-Dibromoethane (EDB)	**0.0072 U**	ug/L	0.0097	0.0072	1	11/07/16 05:15	11/07/16 17:39	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**34.9**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:28	7440-39-3	
Beryllium	**0.97 I**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:28	7440-41-7	
Cadmium	**0.69 I**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:28	7440-43-9	
Chromium	**13.9**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:28	7440-47-3	
Cobalt	**7.3 I**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:28	7440-48-4	
Copper	**3.4 I**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:28	7440-50-8	
Iron	**3600**	ug/L	40.0	20.0	1	11/01/16 16:48	11/02/16 15:28	7439-89-6	
Nickel	**13.9**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:28	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:28	7440-22-4	
Sodium	**5.3**	mg/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:28	7440-23-5	
Vanadium	**21.9**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:28	7440-62-2	
Zinc	**11.3 I**	ug/L	20.0	10.0	1	11/01/16 16:48	11/02/16 15:28	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:21	7440-36-0	
Arsenic	**1.2**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:21	7440-38-2	
Lead	**4.7**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:21	7439-92-1	
Selenium	**1.1**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:21	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:21	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 17:05	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 09:58	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 09:58	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 09:58	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 09:58	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 09:58	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 09:58	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 09:58	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 09:58	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 09:58	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 09:58	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-12 **Lab ID: 35273274007** Collected: 10/27/16 13:12 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 09:58	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 09:58	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 09:58	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 09:58	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 09:58	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 09:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 09:58	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 09:58	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 09:58	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 09:58	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 09:58	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	107	%	89-111		1		11/03/16 09:58	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	75-135		1		11/03/16 09:58	17060-07-0	
Toluene-d8 (S)	106	%	89-112		1		11/03/16 09:58	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-13 **Lab ID: 35273274008** Collected: 10/27/16 14:25 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0047 U**	ug/L	0.019	0.0047	1	11/07/16 05:15	11/07/16 17:54	96-12-8	
1,2-Dibromoethane (EDB)	**0.0072 U**	ug/L	0.0096	0.0072	1	11/07/16 05:15	11/07/16 17:54	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**15.9**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:32	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:32	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:32	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:32	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:32	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:32	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/01/16 16:48	11/02/16 15:32	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:32	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:32	7440-22-4	
Sodium	**25.6**	mg/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:32	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:32	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/01/16 16:48	11/02/16 15:32	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:03	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:03	7440-38-2	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:03	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:03	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:03	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 17:07	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 10:25	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:25	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 10:25	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 10:25	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 10:25	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:25	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:25	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 10:25	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 10:25	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 10:25	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-13 **Lab ID: 35273274008** Collected: 10/27/16 14:25 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:25	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 10:25	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 10:25	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:25	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 10:25	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 10:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:25	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 10:25	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 10:25	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 10:25	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 10:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	106	%	89-111		1		11/03/16 10:25	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	75-135		1		11/03/16 10:25	17060-07-0	
Toluene-d8 (S)	102	%	89-112		1		11/03/16 10:25	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-14 **Lab ID: 35273274009** Collected: 10/27/16 15:55 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0046 U**	ug/L	0.019	0.0046	1	11/07/16 05:15	11/07/16 18:25	96-12-8	
1,2-Dibromoethane (EDB)	**0.0070 U**	ug/L	0.0093	0.0070	1	11/07/16 05:15	11/07/16 18:25	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**17.1**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:36	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:36	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:36	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:36	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:36	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:36	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/01/16 16:48	11/02/16 15:36	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:36	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:36	7440-22-4	
Sodium	**27.9**	mg/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:36	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:36	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/01/16 16:48	11/02/16 15:36	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:27	7440-36-0	
Arsenic	**0.77 I**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:27	7440-38-2	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:27	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:27	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:27	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 17:09	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 10:55	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:55	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 10:55	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 10:55	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 10:55	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:55	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:55	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 10:55	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 10:55	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 10:55	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-14 **Lab ID: 35273274009** Collected: 10/27/16 15:55 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:55	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 10:55	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 10:55	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:55	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 10:55	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 10:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:55	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 10:55	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 10:55	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 10:55	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 10:55	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	106	%	89-111		1		11/03/16 10:55	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	75-135		1		11/03/16 10:55	17060-07-0	
Toluene-d8 (S)	102	%	89-112		1		11/03/16 10:55	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-06 **Lab ID: 35273274010** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 04:33	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 04:33	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 04:33	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 04:33	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 04:33	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 04:33	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 04:33	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 04:33	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 04:33	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 04:33	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 04:33	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 04:33	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 04:33	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 04:33	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 04:33	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 04:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 04:33	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 04:33	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 04:33	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 04:33	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 04:33	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-06 **Lab ID: 35273274010** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	105	%	89-111		1		11/03/16 04:33	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	75-135		1		11/03/16 04:33	17060-07-0	
Toluene-d8 (S)	102	%	89-112		1		11/03/16 04:33	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-07 **Lab ID: 35273274011** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 05:00	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:00	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 05:00	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 05:00	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 05:00	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:00	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:00	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 05:00	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 05:00	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 05:00	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:00	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 05:00	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 05:00	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:00	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 05:00	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 05:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:00	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 05:00	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 05:00	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 05:00	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 05:00	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-07 **Lab ID: 35273274011** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	107	%	89-111		1		11/03/16 05:00	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	75-135		1		11/03/16 05:00	17060-07-0	
Toluene-d8 (S)	101	%	89-112		1		11/03/16 05:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-08 **Lab ID: 35273274012** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 05:27	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:27	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 05:27	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 05:27	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 05:27	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:27	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:27	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 05:27	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 05:27	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 05:27	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:27	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 05:27	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 05:27	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:27	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 05:27	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 05:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:27	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 05:27	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 05:27	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 05:27	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 05:27	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-08 **Lab ID: 35273274012** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	106	%	89-111		1		11/03/16 05:27	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	75-135		1		11/03/16 05:27	17060-07-0	
Toluene-d8 (S)	103	%	89-112		1		11/03/16 05:27	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-09 **Lab ID: 35273274013** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 05:54	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:54	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 05:54	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 05:54	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 05:54	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:54	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:54	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 05:54	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 05:54	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 05:54	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:54	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 05:54	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 05:54	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:54	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 05:54	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 05:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:54	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 05:54	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 05:54	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 05:54	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 05:54	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-09 **Lab ID: 35273274013** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	105	%	89-111		1		11/03/16 05:54	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	75-135		1		11/03/16 05:54	17060-07-0	
Toluene-d8 (S)	101	%	89-112		1		11/03/16 05:54	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-10 **Lab ID: 35273274014** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 06:21	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:21	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 06:21	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 06:21	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 06:21	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:21	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:21	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 06:21	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 06:21	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 06:21	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:21	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 06:21	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 06:21	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:21	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 06:21	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 06:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:21	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 06:21	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 06:21	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 06:21	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 06:21	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-10 **Lab ID: 35273274014** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	107	%	89-111		1		11/03/16 06:21	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	75-135		1		11/03/16 06:21	17060-07-0	
Toluene-d8 (S)	102	%	89-112		1		11/03/16 06:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-11 **Lab ID: 35273274015** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 06:48	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:48	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 06:48	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 06:48	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 06:48	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:48	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:48	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 06:48	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 06:48	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 06:48	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:48	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 06:48	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 06:48	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:48	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 06:48	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 06:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:48	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 06:48	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 06:48	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 06:48	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 06:48	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-11 **Lab ID: 35273274015** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	107	%	89-111		1		11/03/16 06:48	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	75-135		1		11/03/16 06:48	17060-07-0	
Toluene-d8 (S)	104	%	89-112		1		11/03/16 06:48	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-12 **Lab ID: 35273274016** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 07:15	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:15	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 07:15	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 07:15	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 07:15	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:15	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:15	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 07:15	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 07:15	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 07:15	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:15	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 07:15	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 07:15	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:15	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 07:15	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 07:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:15	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 07:15	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 07:15	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 07:15	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 07:15	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-12 **Lab ID: 35273274016** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	106	%	89-111		1		11/03/16 07:15	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	75-135		1		11/03/16 07:15	17060-07-0	
Toluene-d8 (S)	100	%	89-112		1		11/03/16 07:15	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-13 **Lab ID: 35273274017** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 07:42	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:42	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 07:42	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 07:42	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 07:42	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:42	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:42	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 07:42	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 07:42	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 07:42	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:42	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 07:42	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 07:42	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:42	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 07:42	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 07:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:42	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 07:42	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 07:42	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 07:42	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 07:42	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-13 **Lab ID: 35273274017** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	106	%	89-111		1		11/03/16 07:42	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	75-135		1		11/03/16 07:42	17060-07-0	
Toluene-d8 (S)	100	%	89-112		1		11/03/16 07:42	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-14 **Lab ID: 35273274018** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 08:09	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 08:09	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 08:09	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 08:09	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 08:09	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 08:09	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 08:09	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 08:09	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 08:09	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 08:09	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 08:09	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 08:09	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 08:09	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 08:09	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 08:09	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 08:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 08:09	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 08:09	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 08:09	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 08:09	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 08:09	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-14 **Lab ID: 35273274018** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	105	%	89-111		1		11/03/16 08:09	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	75-135		1		11/03/16 08:09	17060-07-0	
Toluene-d8 (S)	99	%	89-112		1		11/03/16 08:09	2037-26-5	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

QC Batch: 329948 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35273274006, 35273274007, 35273274008, 35273274009

METHOD BLANK: 1762604 Matrix: Water
Associated Lab Samples: 35273274006, 35273274007, 35273274008, 35273274009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	11/04/16 16:09	

LABORATORY CONTROL SAMPLE: 1762605

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1762606 1762607

Parameter	Units	35272736001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	1.7	1.8	86	90	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

QC Batch: 330327 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005

METHOD BLANK: 1765312 Matrix: Water
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	11/07/16 14:23	

LABORATORY CONTROL SAMPLE: 1765313

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1765314 1765315

Parameter	Units	35273037004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	1.9	1.9	93	94	75-125	1	20	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

QC Batch: 329408 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005, 35273274006, 35273274007, 35273274008, 35273274009

METHOD BLANK: 1759444 | Matrix: Water
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005, 35273274006, 35273274007, 35273274008, 35273274009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	5.0 U	10.0	5.0	11/02/16 13:48	
Beryllium	ug/L	0.50 U	1.0	0.50	11/02/16 13:48	
Cadmium	ug/L	0.50 U	1.0	0.50	11/02/16 13:48	
Chromium	ug/L	2.5 U	5.0	2.5	11/02/16 13:48	
Cobalt	ug/L	5.0 U	10.0	5.0	11/02/16 13:48	
Copper	ug/L	2.5 U	5.0	2.5	11/02/16 13:48	
Iron	ug/L	20.0 U	40.0	20.0	11/02/16 13:48	
Nickel	ug/L	2.5 U	5.0	2.5	11/02/16 13:48	
Silver	ug/L	2.5 U	5.0	2.5	11/02/16 13:48	
Sodium	mg/L	0.50 U	1.0	0.50	11/02/16 13:48	
Vanadium	ug/L	5.0 U	10.0	5.0	11/02/16 13:48	
Zinc	ug/L	10.0 U	20.0	10.0	11/02/16 13:48	

LABORATORY CONTROL SAMPLE: 1759445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	244	98	80-120	
Beryllium	ug/L	25	27.0	108	80-120	
Cadmium	ug/L	25	26.5	106	80-120	
Chromium	ug/L	250	252	101	80-120	
Cobalt	ug/L	250	267	107	80-120	
Copper	ug/L	250	261	104	80-120	
Iron	ug/L	2500	2560	102	80-120	
Nickel	ug/L	250	262	105	80-120	
Silver	ug/L	25	24.5	98	80-120	
Sodium	mg/L	12.5	13.3	107	80-120	
Vanadium	ug/L	250	257	103	80-120	
Zinc	ug/L	1250	1310	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1759446 1759447

Parameter	Units	35273187001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	10.3	250	250	254	256	97	98	75-125	1	20	
Beryllium	ug/L	0.50 U	25	25	27.7	28.1	110	112	75-125	1	20	
Cadmium	ug/L	0.50 U	25	25	26.2	26.6	105	106	75-125	1	20	
Chromium	ug/L	2.5 U	250	250	254	255	101	102	75-125	1	20	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1759446 1759447

Parameter	Units	35273187001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	5.0 U	250	250	265	271	106	108	75-125	2	20	
Copper	ug/L	2.5 U	250	250	265	271	105	108	75-125	2	20	
Iron	ug/L	20.0 U	2500	2500	2570	2610	102	104	75-125	1	20	
Nickel	ug/L	2.5 U	250	250	262	265	105	106	75-125	1	20	
Silver	ug/L	2.5 U	25	25	24.8	24.8	99	99	75-125	0	20	
Sodium	mg/L	2.6	12.5	12.5	16.0	16.3	107	110	75-125	2	20	
Vanadium	ug/L	5.0 U	250	250	260	264	103	105	75-125	1	20	
Zinc	ug/L	10.0 U	1250	1250	1300	1330	104	106	75-125	2	20	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

QC Batch: 329410 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005, 35273274006, 35273274007, 35273274008, 35273274009

METHOD BLANK: 1759452 Matrix: Water
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005, 35273274006, 35273274007, 35273274008, 35273274009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/02/16 10:21	
Arsenic	ug/L	0.50 U	1.0	0.50	11/02/16 10:21	
Lead	ug/L	0.50 U	1.0	0.50	11/02/16 10:21	
Selenium	ug/L	0.50 U	1.0	0.50	11/02/16 10:21	
Thallium	ug/L	0.50 U	1.0	0.50	11/02/16 10:21	

LABORATORY CONTROL SAMPLE: 1759453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	47.3	95	80-120	
Arsenic	ug/L	50	49.9	100	80-120	
Lead	ug/L	50	48.9	98	80-120	
Selenium	ug/L	50	51.2	102	80-120	
Thallium	ug/L	50	49.1	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1759454 1759455

Parameter	Units	35273187002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	47.8	49.2	96	98	75-125	3	20	
Arsenic	ug/L	0.50 U	50	50	49.1	49.1	98	98	75-125	0	20	
Lead	ug/L	0.50 U	50	50	50.9	51.7	102	103	75-125	2	20	
Selenium	ug/L	0.50 U	50	50	50.3	50.0	100	99	75-125	1	20	
Thallium	ug/L	0.50 U	50	50	51.8	52.5	103	105	75-125	1	20	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

QC Batch: 329660 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005, 35273274006

METHOD BLANK: 1760990 Matrix: Water
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005, 35273274006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/02/16 14:12	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/02/16 14:12	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/02/16 14:12	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/02/16 14:12	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/02/16 14:12	
Acetone	ug/L	10.0 U	20.0	10.0	11/02/16 14:12	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/02/16 14:12	
Benzene	ug/L	0.10 U	1.0	0.10	11/02/16 14:12	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/02/16 14:12	
Bromoform	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Bromomethane	ug/L	0.50 U	5.0	0.50	11/02/16 14:12	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/02/16 14:12	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Chloroethane	ug/L	0.50 U	10.0	0.50	11/02/16 14:12	
Chloroform	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/02/16 14:12	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/02/16 14:12	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/02/16 14:12	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/02/16 14:12	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/02/16 14:12	
Styrene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Toluene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/02/16 14:12	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/02/16 14:12	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

METHOD BLANK: 1760990 Matrix: Water
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005, 35273274006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/02/16 14:12	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Xylene (Total)	ug/L	1.5 U	3.0	1.5	11/02/16 14:12	
1,2-Dichloroethane-d4 (S)	%	93	75-135		11/02/16 14:12	
4-Bromofluorobenzene (S)	%	109	89-111		11/02/16 14:12	
Toluene-d8 (S)	%	96	89-112		11/02/16 14:12	

LABORATORY CONTROL SAMPLE: 1760991

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.3	97	70-130	
1,1,1-Trichloroethane	ug/L	20	18.3	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.6	93	70-130	
1,1,2-Trichloroethane	ug/L	20	18.9	94	70-130	
1,1-Dichloroethane	ug/L	20	16.1	81	70-130	
1,1-Dichloroethene	ug/L	20	16.5	83	65-134	
1,2,3-Trichloropropane	ug/L	20	18.2	91	65-135	
1,2-Dichlorobenzene	ug/L	20	21.2	106	70-130	
1,2-Dichloroethane	ug/L	20	17.0	85	70-130	
1,2-Dichloropropane	ug/L	20	15.6	78	70-130	
1,4-Dichlorobenzene	ug/L	20	20.0	100	70-130	
2-Butanone (MEK)	ug/L	40	37.4	93	61-129	
2-Hexanone	ug/L	40	38.2	95	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	38.9	97	70-130	
Acetone	ug/L	40	41.2	103	44-155	
Acrylonitrile	ug/L	200	156	78	59-138	
Benzene	ug/L	20	17.1	86	70-130	
Bromochloromethane	ug/L	20	19.0	95	70-130	
Bromodichloromethane	ug/L	20	18.2	91	70-130	
Bromoform	ug/L	20	19.2	96	62-129	
Bromomethane	ug/L	20	17.2	86	10-179	
Carbon disulfide	ug/L	20	17.1	85	40-156	
Carbon tetrachloride	ug/L	20	17.7	89	66-127	
Chlorobenzene	ug/L	20	19.1	96	70-130	
Chloroethane	ug/L	20	13.8	69	57-142	
Chloroform	ug/L	20	18.2	91	70-130	
Chloromethane	ug/L	20	18.6	93	45-150	
cis-1,2-Dichloroethene	ug/L	20	16.2	81	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.9	90	70-130	
Dibromochloromethane	ug/L	20	19.3	96	70-130	
Dibromomethane	ug/L	20	20.1	100	70-130	
Ethylbenzene	ug/L	20	18.5	92	70-130	
Iodomethane	ug/L	40	31.6	79	21-150	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

LABORATORY CONTROL SAMPLE: 1760991

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	14.6	73	65-127	
Styrene	ug/L	20	21.8	109	70-130	
Tetrachloroethene	ug/L	20	18.7	94	48-155	
Toluene	ug/L	20	18.7	93	70-130	
trans-1,2-Dichloroethene	ug/L	20	16.0	80	68-126	
trans-1,3-Dichloropropene	ug/L	20	19.1	96	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	22.0	110	46-138	
Trichloroethene	ug/L	20	17.7	88	69-129	
Trichlorofluoromethane	ug/L	20	20.8	104	60-144	
Vinyl acetate	ug/L	20	18.1	90	70-130	
Vinyl chloride	ug/L	20	18.3	92	67-136	
Xylene (Total)	ug/L	60	58.8	98	70-130	
1,2-Dichloroethane-d4 (S)	%			94	75-135	
4-Bromofluorobenzene (S)	%			106	89-111	
Toluene-d8 (S)	%			96	89-112	

MATRIX SPIKE SAMPLE: 1762540

Parameter	Units	35273274002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	19.3	97	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	19.6	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	19.1	96	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	19.0	95	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	16.7	83	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	18.7	94	65-134	
1,2,3-Trichloropropane	ug/L	0.59 U	20	18.5	92	65-135	
1,2-Dichlorobenzene	ug/L	0.50 U	20	20.8	104	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	17.8	89	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	16.2	81	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	19.7	98	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	37.6	94	61-129	
2-Hexanone	ug/L	5.0 U	40	37.2	93	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	38.4	96	70-130	
Acetone	ug/L	10.0 U	40	37.4	93	44-155	
Acrylonitrile	ug/L	5.0 U	200	151	75	59-138	
Benzene	ug/L	0.10 U	20	18.0	90	70-130	
Bromochloromethane	ug/L	0.50 U	20	19.0	95	70-130	
Bromodichloromethane	ug/L	0.27 U	20	18.7	93	70-130	
Bromoform	ug/L	0.50 U	20	16.9	85	62-129	
Bromomethane	ug/L	0.50 U	20	16.3	82	10-179	
Carbon disulfide	ug/L	5.0 U	20	17.4	86	40-156	
Carbon tetrachloride	ug/L	0.50 U	20	19.0	95	66-127	
Chlorobenzene	ug/L	0.50 U	20	19.5	97	70-130	
Chloroethane	ug/L	0.50 U	20	17.9	89	57-142	
Chloroform	ug/L	0.50 U	20	18.7	94	70-130	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

MATRIX SPIKE SAMPLE: 1762540

Parameter	Units	35273274002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	19.7	99	45-150	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	16.9	84	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	17.7	89	70-130	
Dibromochloromethane	ug/L	0.26 U	20	18.6	93	70-130	
Dibromomethane	ug/L	0.50 U	20	19.6	98	70-130	
Ethylbenzene	ug/L	0.50 U	20	19.3	96	70-130	
Iodomethane	ug/L	0.50 U	40	32.7	82	21-150	
Methylene Chloride	ug/L	2.5 U	20	15.2	76	65-127	
Styrene	ug/L	0.50 U	20	21.5	107	70-130	
Tetrachloroethene	ug/L	0.50 U	20	16.9	84	48-155	
Toluene	ug/L	0.50 U	20	18.6	93	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	16.9	85	68-126	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	17.9	89	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	19.5	97	46-138	
Trichloroethene	ug/L	0.50 U	20	18.3	91	69-129	
Trichlorofluoromethane	ug/L	0.50 U	20	24.6	123	60-144	
Vinyl acetate	ug/L	1.0 U	20	18.4	92	70-130	
Vinyl chloride	ug/L	0.50 U	20	22.0	110	67-136	
Xylene (Total)	ug/L	1.5 U	60	60.5	101	70-130	
1,2-Dichloroethane-d4 (S)	%				97	75-135	
4-Bromofluorobenzene (S)	%				105	89-111	
Toluene-d8 (S)	%				96	89-112	

SAMPLE DUPLICATE: 1762539

Parameter	Units	35273274001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

SAMPLE DUPLICATE: 1762539

Parameter	Units	35273274001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	1.5 U	1.5 U		40	
1,2-Dichloroethane-d4 (S)	%	93	94	0	40	
4-Bromofluorobenzene (S)	%	108	106	3	40	
Toluene-d8 (S)	%	95	95	1	40	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

QC Batch: 329693 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35273274007, 35273274008, 35273274009, 35273274010, 35273274011, 35273274012, 35273274013, 35273274014, 35273274015, 35273274016, 35273274017, 35273274018

METHOD BLANK: 1761246 Matrix: Water
Associated Lab Samples: 35273274007, 35273274008, 35273274009, 35273274010, 35273274011, 35273274012, 35273274013, 35273274014, 35273274015, 35273274016, 35273274017, 35273274018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/03/16 04:06	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/03/16 04:06	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/03/16 04:06	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/03/16 04:06	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/03/16 04:06	
Acetone	ug/L	10.0 U	20.0	10.0	11/03/16 04:06	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/03/16 04:06	
Benzene	ug/L	0.10 U	1.0	0.10	11/03/16 04:06	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/03/16 04:06	
Bromoform	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Bromomethane	ug/L	0.50 U	5.0	0.50	11/03/16 04:06	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/03/16 04:06	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Chloroethane	ug/L	0.50 U	10.0	0.50	11/03/16 04:06	
Chloroform	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/03/16 04:06	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/03/16 04:06	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/03/16 04:06	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/03/16 04:06	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/03/16 04:06	
Styrene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Toluene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/03/16 04:06	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/03/16 04:06	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

METHOD BLANK: 1761246 Matrix: Water

Associated Lab Samples: 35273274007, 35273274008, 35273274009, 35273274010, 35273274011, 35273274012, 35273274013, 35273274014, 35273274015, 35273274016, 35273274017, 35273274018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/03/16 04:06	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Xylene (Total)	ug/L	1.5 U	3.0	1.5	11/03/16 04:06	
1,2-Dichloroethane-d4 (S)	%	105	75-135		11/03/16 04:06	
4-Bromofluorobenzene (S)	%	107	89-111		11/03/16 04:06	
Toluene-d8 (S)	%	104	89-112		11/03/16 04:06	

LABORATORY CONTROL SAMPLE: 1761247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.3	102	70-130	
1,1,1-Trichloroethane	ug/L	20	19.8	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.2	96	70-130	
1,1,2-Trichloroethane	ug/L	20	20.8	104	70-130	
1,1-Dichloroethane	ug/L	20	20.5	103	70-130	
1,1-Dichloroethene	ug/L	20	22.8	114	65-134	
1,2,3-Trichloropropane	ug/L	20	22.4	112	65-135	
1,2-Dichlorobenzene	ug/L	20	22.0	110	70-130	
1,2-Dichloroethane	ug/L	20	19.9	100	70-130	
1,2-Dichloropropane	ug/L	20	20.0	100	70-130	
1,4-Dichlorobenzene	ug/L	20	22.1	110	70-130	
2-Butanone (MEK)	ug/L	40	32.2	80	61-129	
2-Hexanone	ug/L	40	36.8	92	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	37.0	93	70-130	
Acetone	ug/L	40	34.4	86	44-155	
Acrylonitrile	ug/L	200	183	92	59-138	
Benzene	ug/L	20	20.5	103	70-130	
Bromochloromethane	ug/L	20	21.4	107	70-130	
Bromodichloromethane	ug/L	20	20.0	100	70-130	
Bromoform	ug/L	20	18.3	91	62-129	
Bromomethane	ug/L	20	24.9	125	10-179	
Carbon disulfide	ug/L	20	22.9	115	40-156	
Carbon tetrachloride	ug/L	20	20.4	102	66-127	
Chlorobenzene	ug/L	20	22.3	112	70-130	
Chloroethane	ug/L	20	24.3	121	57-142	
Chloroform	ug/L	20	20.9	105	70-130	
Chloromethane	ug/L	20	20.7	103	45-150	
cis-1,2-Dichloroethene	ug/L	20	20.1	100	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.6	98	70-130	
Dibromochloromethane	ug/L	20	19.8	99	70-130	
Dibromomethane	ug/L	20	20.3	102	70-130	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

LABORATORY CONTROL SAMPLE: 1761247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	20	20.9	105	70-130	
Iodomethane	ug/L	40	45.7	114	21-150	
Methylene Chloride	ug/L	20	19.6	98	65-127	
Styrene	ug/L	20	21.6	108	70-130	
Tetrachloroethene	ug/L	20	18.8	94	48-155	
Toluene	ug/L	20	20.7	104	70-130	
trans-1,2-Dichloroethene	ug/L	20	22.3	111	68-126	
trans-1,3-Dichloropropene	ug/L	20	18.7	93	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	16.8	84	46-138	
Trichloroethene	ug/L	20	21.2	106	69-129	
Trichlorofluoromethane	ug/L	20	26.9	135	60-144	
Vinyl acetate	ug/L	20	20.0	100	70-130	
Vinyl chloride	ug/L	20	24.4	122	67-136	
Xylene (Total)	ug/L	60	62.7	104	70-130	
1,2-Dichloroethane-d4 (S)	%			94	75-135	
4-Bromofluorobenzene (S)	%			103	89-111	
Toluene-d8 (S)	%			98	89-112	

MATRIX SPIKE SAMPLE: 1763105

Parameter	Units	35273491002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	20.4	102	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	21.2	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	19.1	95	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	20.5	102	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	21.4	107	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	24.9	125	65-134	
1,2,3-Trichloropropane	ug/L	0.59 U	20	19.2	96	65-135	
1,2-Dichlorobenzene	ug/L	0.50 U	20	22.2	111	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	20.3	101	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	20.1	101	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	22.0	110	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	33.4	84	61-129	
2-Hexanone	ug/L	5.0 U	40	38.9	97	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	37.1	93	70-130	
Acetone	ug/L	10.0 U	40	33.5	84	44-155	
Acrylonitrile	ug/L	5.0 U	200	182	91	59-138	
Benzene	ug/L	0.10 U	20	20.6	103	70-130	
Bromochloromethane	ug/L	0.50 U	20	21.4	107	70-130	
Bromodichloromethane	ug/L	0.27 U	20	20.2	101	70-130	
Bromoform	ug/L	0.50 U	20	17.4	87	62-129	
Bromomethane	ug/L	0.50 U	20	16.7	84	10-179	
Carbon disulfide	ug/L	5.0 U	20	25.8	129	40-156	
Carbon tetrachloride	ug/L	0.50 U	20	21.5	107	66-127	
Chlorobenzene	ug/L	0.50 U	20	23.1	116	70-130	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

MATRIX SPIKE SAMPLE: 1763105

Parameter	Units	35273491002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	0.50 U	20	25.9	130	57-142	
Chloroform	ug/L	0.50 U	20	21.0	105	70-130	
Chloromethane	ug/L	0.62 U	20	21.8	109	45-150	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	21.1	106	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	17.5	87	70-130	
Dibromochloromethane	ug/L	0.26 U	20	19.1	95	70-130	
Dibromomethane	ug/L	0.50 U	20	20.3	101	70-130	
Ethylbenzene	ug/L	0.50 U	20	21.9	109	70-130	
Iodomethane	ug/L	0.50 U	40	39.8	99	21-150	
Methylene Chloride	ug/L	2.5 U	20	19.9	99	65-127	
Styrene	ug/L	0.50 U	20	21.4	107	70-130	
Tetrachloroethene	ug/L	0.50 U	20	19.3	96	48-155	
Toluene	ug/L	0.50 U	20	22.1	110	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	22.8	114	68-126	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	17.0	85	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	11.0	55	46-138	
Trichloroethene	ug/L	0.50 U	20	21.9	110	69-129	
Trichlorofluoromethane	ug/L	0.50 U	20	29.3	146	60-144	J(M1)
Vinyl acetate	ug/L	1.0 U	20	16.9	85	70-130	
Vinyl chloride	ug/L	0.50 U	20	25.1	126	67-136	
Xylene (Total)	ug/L	1.5 U	60	64.8	108	70-130	
1,2-Dichloroethane-d4 (S)	%				100	75-135	
4-Bromofluorobenzene (S)	%				102	89-111	
Toluene-d8 (S)	%				99	89-112	

SAMPLE DUPLICATE: 1763104

Parameter	Units	35273491001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

SAMPLE DUPLICATE: 1763104

Parameter	Units	35273491001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	1.5 U	1.5 U		40	
1,2-Dichloroethane-d4 (S)	%	102	101	0	40	
4-Bromofluorobenzene (S)	%	106	107	1	40	
Toluene-d8 (S)	%	101	101	1	40	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

QC Batch: 330295 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005, 35273274006, 35273274007, 35273274008, 35273274009

METHOD BLANK: 1765042 | Matrix: Water
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005, 35273274006, 35273274007, 35273274008, 35273274009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	11/07/16 15:38	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	11/07/16 15:38	

LABORATORY CONTROL SAMPLE: 1765043

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.33	132	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.32	128	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1766786 1766787

Parameter	Units	35274361006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0047 U	.44	.44	0.48	0.50	110	115	60-140	4	40	
1,2-Dibromoethane (EDB)	ug/L	0.0072 U	.44	.44	0.50	0.52	115	120	60-140	4	40	

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QUALIFIERS

Project: 1614837
Pace Project No.: 35273274

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 adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

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.

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

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TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1614837
Pace Project No.: 35273274

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35273274001	**1614837-06**	EPA 8011	330295	EPA 8011	330548
35273274002	**1614837-07**	EPA 8011	330295	EPA 8011	330548
35273274003	**1614837-08**	EPA 8011	330295	EPA 8011	330548
35273274004	**1614837-09**	EPA 8011	330295	EPA 8011	330548
35273274005	**1614837-10**	EPA 8011	330295	EPA 8011	330548
35273274006	**1614837-11**	EPA 8011	330295	EPA 8011	330548
35273274007	**1614837-12**	EPA 8011	330295	EPA 8011	330548
35273274008	**1614837-13**	EPA 8011	330295	EPA 8011	330548
35273274009	**1614837-14**	EPA 8011	330295	EPA 8011	330548
35273274001	**1614837-06**	EPA 3010	329408	EPA 6010	329484
35273274002	**1614837-07**	EPA 3010	329408	EPA 6010	329484
35273274003	**1614837-08**	EPA 3010	329408	EPA 6010	329484
35273274004	**1614837-09**	EPA 3010	329408	EPA 6010	329484
35273274005	**1614837-10**	EPA 3010	329408	EPA 6010	329484
35273274006	**1614837-11**	EPA 3010	329408	EPA 6010	329484
35273274007	**1614837-12**	EPA 3010	329408	EPA 6010	329484
35273274008	**1614837-13**	EPA 3010	329408	EPA 6010	329484
35273274009	**1614837-14**	EPA 3010	329408	EPA 6010	329484
35273274001	**1614837-06**	EPA 3010	329410	EPA 6020	329486
35273274002	**1614837-07**	EPA 3010	329410	EPA 6020	329486
35273274003	**1614837-08**	EPA 3010	329410	EPA 6020	329486
35273274004	**1614837-09**	EPA 3010	329410	EPA 6020	329486
35273274005	**1614837-10**	EPA 3010	329410	EPA 6020	329486
35273274006	**1614837-11**	EPA 3010	329410	EPA 6020	329486
35273274007	**1614837-12**	EPA 3010	329410	EPA 6020	329486
35273274008	**1614837-13**	EPA 3010	329410	EPA 6020	329486
35273274009	**1614837-14**	EPA 3010	329410	EPA 6020	329486
35273274001	**1614837-06**	EPA 7470	330327	EPA 7470	330344
35273274002	**1614837-07**	EPA 7470	330327	EPA 7470	330344
35273274003	**1614837-08**	EPA 7470	330327	EPA 7470	330344
35273274004	**1614837-09**	EPA 7470	330327	EPA 7470	330344
35273274005	**1614837-10**	EPA 7470	330327	EPA 7470	330344
35273274006	**1614837-11**	EPA 7470	329948	EPA 7470	330032
35273274007	**1614837-12**	EPA 7470	329948	EPA 7470	330032
35273274008	**1614837-13**	EPA 7470	329948	EPA 7470	330032
35273274009	**1614837-14**	EPA 7470	329948	EPA 7470	330032
35273274001	**1614837-06**	EPA 8260	329660		
35273274002	**1614837-07**	EPA 8260	329660		
35273274003	**1614837-08**	EPA 8260	329660		
35273274004	**1614837-09**	EPA 8260	329660		
35273274005	**1614837-10**	EPA 8260	329660		
35273274006	**1614837-11**	EPA 8260	329660		
35273274007	**1614837-12**	EPA 8260	329693		
35273274008	**1614837-13**	EPA 8260	329693		
35273274009	**1614837-14**	EPA 8260	329693		
35273274010	**TRIP BLANK - 1614837-06**	EPA 8260	329693		

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Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
(813)881-9401

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1614837
Pace Project No.: 35273274

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35273274011	**TRIP BLANK - 1614837-07**	EPA 8260	329693		
35273274012	**TRIP BLANK - 1614837-08**	EPA 8260	329693		
35273274013	**TRIP BLANK - 1614837-09**	EPA 8260	329693		
35273274014	**TRIP BLANK - 1614837-10**	EPA 8260	329693		
35273274015	**TRIP BLANK - 1614837-11**	EPA 8260	329693		
35273274016	**TRIP BLANK - 1614837-12**	EPA 8260	329693		
35273274017	**TRIP BLANK - 1614837-13**	EPA 8260	329693		
35273274018	**TRIP BLANK - 1614837-14**	EPA 8260	329693		

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WO#: 35273274

35273274

SUBCONTRACT ORDER

uthern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-06	**Water**	**Sampled: 10/26/16 11:30**		
HG 7470	11/04/16 00:00	11/23/16 11:30		
BE 6010	11/04/16 00:00	04/24/17 11:30		
AG 6010	11/04/16 00:00	04/24/17 11:30		
ZN 6020	11/04/16 00:00	04/24/17 11:30		
SE 6020	11/04/16 00:00	04/24/17 11:30		
TL 6020	11/04/16 00:00	04/24/17 11:30		
Tracking - ADaPT Report	11/04/16 00:00	10/26/16 11:30		
FE 6010	11/04/16 00:00	04/24/17 11:30		
NA 6010	11/04/16 00:00	04/24/17 11:30		
8011	11/04/16 00:00	11/08/16 11:30		
CU 6020	11/04/16 00:00	04/24/17 11:30		
CD 6020	11/04/16 00:00	04/24/17 11:30		
8260 Appendix I	11/04/16 00:00	11/09/16 11:30		
V 6010	11/04/16 00:00	04/24/17 11:30		
SB 6020	11/04/16 00:00	04/24/17 11:30		
BA 6010	11/04/16 00:00	04/24/17 11:30		
NI 6020	11/04/16 00:00	04/24/17 11:30		
AS 6020	11/04/16 00:00	04/24/17 11:30		
CR 6020	11/04/16 00:00	04/24/17 11:30		
CO 6010	11/04/16 00:00	04/24/17 11:30		
PB 6020	11/04/16 00:00	04/24/17 11:30		

Containers Supplied:

Released By	Date	Received By	Date
HJU	102816 / 1400	JM T-270	10/29/16 00:05

SUBCONTRACT ORDER

Southern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-07	**Water**	**Sampled:10/26/16 12:36**		
8260 Appendix I	11/04/16 00:00	11/09/16 12:36		
NA 6010	11/04/16 00:00	04/24/17 12:36		
8011	11/04/16 00:00	11/08/16 12:36		
CO 6010	11/04/16 00:00	04/24/17 12:36		
CD 6020	11/04/16 00:00	04/24/17 12:36		
BE 6010	11/04/16 00:00	04/24/17 12:36		
BA 6010	11/04/16 00:00	04/24/17 12:36		
CR 6020	11/04/16 00:00	04/24/17 12:36		
AS 6020	11/04/16 00:00	04/24/17 12:36		
HG 7470	11/04/16 00:00	11/23/16 12:36		
PB 6020	11/04/16 00:00	04/24/17 12:36		
FE 6010	11/04/16 00:00	04/24/17 12:36		
ZN 6020	11/04/16 00:00	04/24/17 12:36		
V 6010	11/04/16 00:00	04/24/17 12:36		
Tracking - ADaPT Report	11/04/16 00:00	10/26/16 12:36		
TL 6020	11/04/16 00:00	04/24/17 12:36		
SE 6020	11/04/16 00:00	04/24/17 12:36		
SB 6020	11/04/16 00:00	04/24/17 12:36		
CU 6020	11/04/16 00:00	04/24/17 12:36		
NI 6020	11/04/16 00:00	04/24/17 12:36		
AG 6010	11/04/16 00:00	04/24/17 12:36		

Containers Supplied:

Released By	Date	Received By	Date
MJM	102816 / 1400	JM T-270	10/29/16 00:05

SUBCONTRACT ORDER

Southern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-08	**Water**	**Sampled:10/26/16 14:15**		
CU 6020	11/04/16 00:00	04/24/17 14:15		
CR 6020	11/04/16 00:00	04/24/17 14:15		
ZN 6020	11/04/16 00:00	04/24/17 14:15		
V 6010	11/04/16 00:00	04/24/17 14:15		
Tracking - ADaPT Report	11/04/16 00:00	10/26/16 14:15		
TL 6020	11/04/16 00:00	04/24/17 14:15		
8260 Appendix I	11/04/16 00:00	11/09/16 14:15		
AG 6010	11/04/16 00:00	04/24/17 14:15		
HG 7470	11/04/16 00:00	11/23/16 14:15		
8011	11/04/16 00:00	11/08/16 14:15		
NI 6020	11/04/16 00:00	04/24/17 14:15		
FE 6010	11/04/16 00:00	04/24/17 14:15		
CO 6010	11/04/16 00:00	04/24/17 14:15		
CD 6020	11/04/16 00:00	04/24/17 14:15		
BE 6010	11/04/16 00:00	04/24/17 14:15		
BA 6010	11/04/16 00:00	04/24/17 14:15		
AS 6020	11/04/16 00:00	04/24/17 14:15		
SE 6020	11/04/16 00:00	04/24/17 14:15		
SB 6020	11/04/16 00:00	04/24/17 14:15		
PB 6020	11/04/16 00:00	04/24/17 14:15		
NA 6010	11/04/16 00:00	04/24/17 14:15		

Containers Supplied:

Released By	Date	Received By	Date
MJM	102816 1400	JM T-270	10/29/16 00:05

SUBCONTRACT ORDER

Southern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-09	**Water**	**Sampled: 10/26/16 15:15**		
Tracking - ADaPT Report	11/04/16 00:00	10/26/16 15:15		
TL 6020	11/04/16 00:00	04/24/17 15:15		
8260 Appendix I	11/04/16 00:00	11/09/16 15:15		
V 6010	11/04/16 00:00	04/24/17 15:15		
AG 6010	11/04/16 00:00	04/24/17 15:15		
NA 6010	11/04/16 00:00	04/24/17 15:15		
HG 7470	11/04/16 00:00	11/23/16 15:15		
8011	11/04/16 00:00	11/08/16 15:15		
CO 6010	11/04/16 00:00	04/24/17 15:15		
SB 6020	11/04/16 00:00	04/24/17 15:15		
PB 6020	11/04/16 00:00	04/24/17 15:15		
FE 6010	11/04/16 00:00	04/24/17 15:15		
ZN 6020	11/04/16 00:00	04/24/17 15:15		
CU 6020	11/04/16 00:00	04/24/17 15:15		
CR 6020	11/04/16 00:00	04/24/17 15:15		
AS 6020	11/04/16 00:00	04/24/17 15:15		
BA 6010	11/04/16 00:00	04/24/17 15:15		
SE 6020	11/04/16 00:00	04/24/17 15:15		
NI 6020	11/04/16 00:00	04/24/17 15:15		
CD 6020	11/04/16 00:00	04/24/17 15:15		
BE 6010	11/04/16 00:00	04/24/17 15:15		

Containers Supplied:

Released By	Date	Received By	Date
MJM	102816 1400	MM T-270	10/29/16 00:05

SUBCONTRACT ORDER

Southern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-10	**Water**	**Sampled: 10/26/16 16:40**		
SE 6020	11/04/16 00:00	04/24/17 16:40		
TL 6020	11/04/16 00:00	04/24/17 16:40		
Tracking - ADaPT Report	11/04/16 00:00	10/26/16 16:40		
PB 6020	11/04/16 00:00	04/24/17 16:40		
CU 6020	11/04/16 00:00	04/24/17 16:40		
8011	11/04/16 00:00	11/08/16 16:40		
NI 6020	11/04/16 00:00	04/24/17 16:40		
NA 6010	11/04/16 00:00	04/24/17 16:40		
HG 7470	11/04/16 00:00	11/23/16 16:40		
FE 6010	11/04/16 00:00	04/24/17 16:40		
8260 Appendix I	11/04/16 00:00	11/09/16 16:40		
ZN 6020	11/04/16 00:00	04/24/17 16:40		
V 6010	11/04/16 00:00	04/24/17 16:40		
SB 6020	11/04/16 00:00	04/24/17 16:40		
AG 6010	11/04/16 00:00	04/24/17 16:40		
CR 6020	11/04/16 00:00	04/24/17 16:40		
CO 6010	11/04/16 00:00	04/24/17 16:40		
CD 6020	11/04/16 00:00	04/24/17 16:40		
BE 6010	11/04/16 00:00	04/24/17 16:40		
AS 6020	11/04/16 00:00	04/24/17 16:40		
BA 6010	11/04/16 00:00	04/24/17 16:40		

Containers Supplied:

Released By	Date	Received By	Date
HJM	102816/1400	MM T-770	10/29/16 00:05

SUBCONTRACT ORDER

Southern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-11	**Water**	**Sampled:10/27/16 12:07**		
AG 6010	11/04/16 00:00	04/25/17 12:07		
NI 6020	11/04/16 00:00	04/25/17 12:07		
NA 6010	11/04/16 00:00	04/25/17 12:07		
HG 7470	11/04/16 00:00	11/24/16 12:07		
FE 6010	11/04/16 00:00	04/25/17 12:07		
CU 6020	11/04/16 00:00	04/25/17 12:07		
ZN 6020	11/04/16 00:00	04/25/17 12:07		
BA 6010	11/04/16 00:00	04/25/17 12:07		
BE 6010	11/04/16 00:00	04/25/17 12:07		
PB 6020	11/04/16 00:00	04/25/17 12:07		
V 6010	11/04/16 00:00	04/25/17 12:07		
AS 6020	11/04/16 00:00	04/25/17 12:07		
CD 6020	11/04/16 00:00	04/25/17 12:07		
CO 6010	11/04/16 00:00	04/25/17 12:07		
CR 6020	11/04/16 00:00	04/25/17 12:07		
SE 6020	11/04/16 00:00	04/25/17 12:07		
TL 6020	11/04/16 00:00	04/25/17 12:07		
Tracking - ADaPT Report	11/04/16 00:00	10/27/16 12:07		
SB 6020	11/04/16 00:00	04/25/17 12:07		
8011	11/04/16 00:00	11/09/16 12:07		
8260 Appendix I	11/04/16 00:00	11/10/16 12:07		
Containers Supplied:				

Released By	Date	Received By	Date
MJM	102816/1400	JM T-770	10/29/16 00:05

SUBCONTRACT ORDER

Southern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-12	**Water**	**Sampled:10/27/16 13:12**		
AS 6020	11/04/16 00:00	04/25/17 13:12		
BA 6010	11/04/16 00:00	04/25/17 13:12		
FE 6010	11/04/16 00:00	04/25/17 13:12		
CU 6020	11/04/16 00:00	04/25/17 13:12		
CR 6020	11/04/16 00:00	04/25/17 13:12		
ZN 6020	11/04/16 00:00	04/25/17 13:12		
NA 6010	11/04/16 00:00	04/25/17 13:12		
V 6010	11/04/16 00:00	04/25/17 13:12		
HG 7470	11/04/16 00:00	11/24/16 13:12		
PB 6020	11/04/16 00:00	04/25/17 13:12		
SB 6020	11/04/16 00:00	04/25/17 13:12		
Tracking - ADaPT Report	11/04/16 00:00	10/27/16 13:12		
BE 6010	11/04/16 00:00	04/25/17 13:12		
CD 6020	11/04/16 00:00	04/25/17 13:12		
CO 6010	11/04/16 00:00	04/25/17 13:12		
AG 6010	11/04/16 00:00	04/25/17 13:12		
TL 6020	11/04/16 00:00	04/25/17 13:12		
SE 6020	11/04/16 00:00	04/25/17 13:12		
8011	11/04/16 00:00	11/09/16 13:12		
8260 Appendix I	11/04/16 00:00	11/10/16 13:12		
NI 6020	11/04/16 00:00	04/25/17 13:12		

Containers Supplied:

Released By	Date	Received By	Date
MJL	102816 1400	JW T-270	10/29/16 00:05

SUBCONTRACT ORDER

Southern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-13	**Water**	**Sampled:10/27/16 14:25**		
FE 6010	11/04/16 00:00	04/25/17 14:25		
ZN 6020	11/04/16 00:00	04/25/17 14:25		
V 6010	11/04/16 00:00	04/25/17 14:25		
SE 6020	11/04/16 00:00	04/25/17 14:25		
SB 6020	11/04/16 00:00	04/25/17 14:25		
BE 6010	11/04/16 00:00	04/25/17 14:25		
BA 6010	11/04/16 00:00	04/25/17 14:25		
NA 6010	11/04/16 00:00	04/25/17 14:25		
8260 Appendix I	11/04/16 00:00	11/10/16 14:25		
8011	11/04/16 00:00	11/09/16 14:25		
Tracking - ADaPT Report	11/04/16 00:00	10/27/16 14:25		
TL 6020	11/04/16 00:00	04/25/17 14:25		
HG 7470	11/04/16 00:00	11/24/16 14:25		
AG 6010	11/04/16 00:00	04/25/17 14:25		
AS 6020	11/04/16 00:00	04/25/17 14:25		
NI 6020	11/04/16 00:00	04/25/17 14:25		
CU 6020	11/04/16 00:00	04/25/17 14:25		
CR 6020	11/04/16 00:00	04/25/17 14:25		
CO 6010	11/04/16 00:00	04/25/17 14:25		
CD 6020	11/04/16 00:00	04/25/17 14:25		
PB 6020	11/04/16 00:00	04/25/17 14:25		

Containers Supplied:

Released By	Date	Received By	Date
MJM	102816 1400	JM T-270	10/29/16 00:05

SUBCONTRACT ORDER

Southern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-14	**Water**	**Sampled:10/27/16 15:55**		
ZN 6020	11/04/16 00:00	04/25/17 15:55		
BE 6010	11/04/16 00:00	04/25/17 15:55		
NI 6020	11/04/16 00:00	04/25/17 15:55		
V 6010	11/04/16 00:00	04/25/17 15:55		
TL 6020	11/04/16 00:00	04/25/17 15:55		
SE 6020	11/04/16 00:00	04/25/17 15:55		
SB 6020	11/04/16 00:00	04/25/17 15:55		
Tracking - ADaPT Report	11/04/16 00:00	10/27/16 15:55		
PB 6020	11/04/16 00:00	04/25/17 15:55		
AG 6010	11/04/16 00:00	04/25/17 15:55		
8260 Appendix I	11/04/16 00:00	11/10/16 15:55		
CD 6020	11/04/16 00:00	04/25/17 15:55		
CU 6020	11/04/16 00:00	04/25/17 15:55		
BA 6010	11/04/16 00:00	04/25/17 15:55		
AS 6020	11/04/16 00:00	04/25/17 15:55		
CO 6010	11/04/16 00:00	04/25/17 15:55		
CR 6020	11/04/16 00:00	04/25/17 15:55		
8011	11/04/16 00:00	11/09/16 15:55		

Containers Supplied:

Released By	Date	Received By	Date
MDM	102816 1400	MM T-770	10/29/16 00:05

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: August 10, 2016
	Document No.: F-FL-C-007 rev. 10	Issuing Authority: Pace Florida Quality Office

Sam **WO# : 35273274**

Project # PM: LAP Due Date: 11/07/16
Project Manager: CLIENT: 37-SOUANA
Client:

Date and Initials of person:
Examining contents: _____
Label: _____
Deliver: K.P.
pH: _____

Thermometer Used: T-270 Date: 10/29/16 Time: 0025 Initials: AS

Samples shorted to lab (If Yes, complete) Shorted Date: _____ Shorted Time: _____ Qty: _____

Cooler #1 Temp.°C 2-3 (Visual) +0.3 (Correction Factor) 2-6 (Actual) ☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace ☐ Other _____
Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ Other _____
Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals Intact:** ☐ Yes ☑ No **Ice:** (Wet) Blue None

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☑ Other 2L

		Comments:
Chain of Custody Present	☑Yes ☐ No ☐N/A	
Chain of Custody Filled Out	☑Yes ☐ No ☐N/A	
Relinquished Signature & Sampler Name COC	☑Yes ☐ No ☐N/A	
Samples Arrived within Hold Time	☑Yes ☐ No ☐N/A	
Rush TAT requested on COC	☐Yes ☑No ☐N/A	
Sufficient Volume	☑Yes ☐ No ☐N/A	
Correct Containers Used	☑Yes ☐ No ☐N/A	
Containers Intact	☑Yes ☐ No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑Yes ☐ No ☐N/A	
All containers needing acid/base preservation have been checked	☑Yes ☐ No ☐N/A	Preservation Information
All Containers needing preservation are found to be in compliance with EPA recommendation	☑Yes ☐ No ☐N/A	Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
Exceptions: VOA, Coliform, TOC, O&G, Carbamates		
Headspace in VOA Vials? (>6mm):	☑Yes ☐ No ☐N/A	
Trip Blank Present:	☑Yes ☐ No ☐N/A	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments): _____

Project Manager Review: _____ Date: _____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

November 28, 2016

Ms. Candia E. Mulhern
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

RE: Project: Resource Recovery GMW
Pace Project No.: 35275408

Dear Ms. Mulhern:
Enclosed are the analytical results for sample(s) received by the laboratory on November 02, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Kevin Herring for
Kathryn Nordmark
kathryn.nordmark@pacelabs.com
Project Manager

Enclosures

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

CERTIFICATIONS

Project:	Resource Recovery GMW
Pace Project No.:	35275408

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE SUMMARY

Project: Resource Recovery GMW
Pace Project No.: 35275408

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35275408001	**2MW-27S**	Water	10/31/16 10:58	11/02/16 13:05
35275408002	**2MW-27D**	Water	10/31/16 11:57	11/02/16 13:05
35275408003	**2MW-15AD**	Water	10/31/16 15:17	11/02/16 13:05
35275408004	**2MW-27S Trip Blank**	Water	10/31/16 10:58	11/02/16 13:05
35275408005	**2MW-27D Trip Blank**	Water	10/31/16 11:57	11/02/16 13:05
35275408006	**2MW-15AD Trip Blank**	Water	10/31/16 15:17	11/02/16 13:05

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: Resource Recovery GMW
Pace Project No.: 35275408

Lab ID	Sample ID	Method	Analysts	Analytes Reported
35275408001	**2MW-27S**	EPA 8011	SMH	2
		EPA 6010	RVK	15
		EPA 6020	DRS	2
		EPA 7470	RVK	1
		EPA 8260	SK1	48
35275408002	**2MW-27D**	EPA 8011	SMH	2
		EPA 6010	RVK	15
		EPA 6020	DRS	2
		EPA 7470	RVK	1
		EPA 8260	SK1	48
35275408003	**2MW-15AD**	EPA 8011	SMH	2
		EPA 6010	RVK	15
		EPA 6020	DRS	2
		EPA 7470	RVK	1
		EPA 8260	SK1	48
35275408004	**2MW-27S Trip Blank**	EPA 8260	SK1	48
35275408005	**2MW-27D Trip Blank**	EPA 8260	SK1	48
35275408006	**2MW-15AD Trip Blank**	EPA 8260	SK1	48

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery GMW
Pace Project No.: 35275408

Sample: 2MW-27S **Lab ID: 35275408001** Collected: 10/31/16 10:58 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0047U**	ug/L	0.019	1	11/11/16 01:30	11/12/16 05:38	96-12-8	
1,2-Dibromoethane (EDB)	**0.0073U**	ug/L	0.0097	1	11/11/16 01:30	11/12/16 05:38	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	1	11/12/16 09:44	11/13/16 15:10	7440-38-2	
Barium	**35.9**	ug/L	10.0	1	11/12/16 09:44	11/13/16 15:10	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/13/16 15:10	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/13/16 15:10	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 15:10	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	1	11/12/16 09:44	11/13/16 15:10	7440-48-4	
Copper	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 15:10	7440-50-8	
Iron	**354**	ug/L	40.0	1	11/12/16 09:44	11/13/16 15:10	7439-89-6	
Lead	**7.5J**	ug/L	10.0	1	11/12/16 09:44	11/13/16 15:10	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 15:10	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	1	11/12/16 09:44	11/13/16 15:10	7782-49-2	
Silver	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 15:10	7440-22-4	
Sodium	**42.5**	mg/L	1.0	1	11/12/16 09:44	11/13/16 15:10	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	1	11/12/16 09:44	11/13/16 15:10	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	1	11/12/16 09:44	11/13/16 15:10	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/14/16 11:29	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/14/16 11:29	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	1	11/15/16 01:08	11/16/16 15:31	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/11/16 13:40	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/11/16 13:40	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/11/16 13:40	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/11/16 13:40	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/11/16 13:40	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/11/16 13:40	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/11/16 13:40	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/11/16 13:40	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/11/16 13:40	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/11/16 13:40	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 13:40	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/11/16 13:40	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/11/16 13:40	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/11/16 13:40	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/11/16 13:40	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/11/16 13:40	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 13:40	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 13:40	106-46-7	

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery GMW
Pace Project No.: 35275408

Sample: 2MW-27S **Lab ID: 35275408001** Collected: 10/31/16 10:58 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/11/16 13:40	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 13:40	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 13:40	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 13:40	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 13:40	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 13:40	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/11/16 13:40	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 13:40	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 13:40	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/11/16 13:40	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/11/16 13:40	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/11/16 13:40	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/11/16 13:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/11/16 13:40	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/11/16 13:40	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/11/16 13:40	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/11/16 13:40	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/11/16 13:40	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/11/16 13:40	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 13:40	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 13:40	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 13:40	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/11/16 13:40	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/11/16 13:40	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/11/16 13:40	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/11/16 13:40	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/11/16 13:40	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	93	%	89-111	1		11/11/16 13:40	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	75-135	1		11/11/16 13:40	17060-07-0	
Toluene-d8 (S)	100	%	89-112	1		11/11/16 13:40	2037-26-5	

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery GMW
Pace Project No.: 35275408

Sample: 2MW-27D **Lab ID: 35275408002** Collected: 10/31/16 11:57 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0048U**	ug/L	0.020	1	11/11/16 01:30	11/12/16 05:53	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074U**	ug/L	0.0099	1	11/11/16 01:30	11/12/16 05:53	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	1	11/12/16 09:44	11/13/16 15:14	7440-38-2	
Barium	**28.0**	ug/L	10.0	1	11/12/16 09:44	11/13/16 15:14	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/13/16 15:14	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/13/16 15:14	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 15:14	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	1	11/12/16 09:44	11/13/16 15:14	7440-48-4	
Copper	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 15:14	7440-50-8	
Iron	**20.0U**	ug/L	40.0	1	11/12/16 09:44	11/13/16 15:14	7439-89-6	
Lead	**10.5**	ug/L	10.0	1	11/12/16 09:44	11/13/16 15:14	7439-92-1	
Nickel	**2.5J**	ug/L	5.0	1	11/12/16 09:44	11/13/16 15:14	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	1	11/12/16 09:44	11/13/16 15:14	7782-49-2	
Silver	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 15:14	7440-22-4	
Sodium	**53.6**	mg/L	1.0	1	11/12/16 09:44	11/13/16 15:14	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	1	11/12/16 09:44	11/13/16 15:14	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	1	11/12/16 09:44	11/13/16 15:14	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/14/16 11:32	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/14/16 11:32	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	1	11/15/16 01:08	11/16/16 15:38	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	**17.2J**	ug/L	20.0	1		11/11/16 14:06	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/11/16 14:06	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/11/16 14:06	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/11/16 14:06	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/11/16 14:06	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/11/16 14:06	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/11/16 14:06	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/11/16 14:06	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/11/16 14:06	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/11/16 14:06	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 14:06	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/11/16 14:06	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/11/16 14:06	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/11/16 14:06	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/11/16 14:06	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/11/16 14:06	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 14:06	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 14:06	106-46-7	

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8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Resource Recovery GMW
Pace Project No.: 35275408

Sample: 2MW-27D **Lab ID: 35275408002** Collected: 10/31/16 11:57 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/11/16 14:06	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 14:06	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 14:06	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 14:06	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 14:06	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 14:06	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/11/16 14:06	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 14:06	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 14:06	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/11/16 14:06	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/11/16 14:06	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/11/16 14:06	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/11/16 14:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/11/16 14:06	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/11/16 14:06	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/11/16 14:06	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/11/16 14:06	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/11/16 14:06	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/11/16 14:06	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 14:06	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 14:06	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 14:06	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/11/16 14:06	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/11/16 14:06	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/11/16 14:06	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/11/16 14:06	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/11/16 14:06	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	92	%	89-111	1		11/11/16 14:06	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	75-135	1		11/11/16 14:06	17060-07-0	
Toluene-d8 (S)	99	%	89-112	1		11/11/16 14:06	2037-26-5	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery GMW
Pace Project No.: 35275408

Sample: 2MW-15AD **Lab ID: 35275408003** Collected: 10/31/16 15:17 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0048U**	ug/L	0.019	1	11/11/16 01:30	11/12/16 06:08	96-12-8	
1,2-Dibromoethane (EDB)	**0.0073U**	ug/L	0.0097	1	11/11/16 01:30	11/12/16 06:08	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	1	11/12/16 09:44	11/13/16 15:18	7440-38-2	
Barium	**9.7J**	ug/L	10.0	1	11/12/16 09:44	11/13/16 15:18	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/13/16 15:18	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/13/16 15:18	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 15:18	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	1	11/12/16 09:44	11/13/16 15:18	7440-48-4	
Copper	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 15:18	7440-50-8	
Iron	**28.7J**	ug/L	40.0	1	11/12/16 09:44	11/13/16 15:18	7439-89-6	
Lead	**5.0U**	ug/L	10.0	1	11/12/16 09:44	11/13/16 15:18	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 15:18	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	1	11/12/16 09:44	11/13/16 15:18	7782-49-2	
Silver	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 15:18	7440-22-4	
Sodium	**4.6**	mg/L	1.0	1	11/12/16 09:44	11/13/16 15:18	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	1	11/12/16 09:44	11/13/16 15:18	7440-62-2	
Zinc	**10.4J**	ug/L	20.0	1	11/12/16 09:44	11/13/16 15:18	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/14/16 11:34	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/14/16 11:34	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	1	11/15/16 01:08	11/16/16 15:40	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/11/16 14:32	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/11/16 14:32	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/11/16 14:32	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/11/16 14:32	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/11/16 14:32	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/11/16 14:32	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/11/16 14:32	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/11/16 14:32	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/11/16 14:32	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/11/16 14:32	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 14:32	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/11/16 14:32	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/11/16 14:32	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/11/16 14:32	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/11/16 14:32	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/11/16 14:32	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 14:32	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 14:32	106-46-7	

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery GMW
Pace Project No.: 35275408

Sample: 2MW-15AD **Lab ID: 35275408003** Collected: 10/31/16 15:17 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/11/16 14:32	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 14:32	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 14:32	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 14:32	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 14:32	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 14:32	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/11/16 14:32	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 14:32	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 14:32	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/11/16 14:32	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/11/16 14:32	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/11/16 14:32	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/11/16 14:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/11/16 14:32	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/11/16 14:32	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/11/16 14:32	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/11/16 14:32	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/11/16 14:32	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/11/16 14:32	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 14:32	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 14:32	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 14:32	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/11/16 14:32	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/11/16 14:32	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/11/16 14:32	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/11/16 14:32	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/11/16 14:32	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	92	%	89-111	1		11/11/16 14:32	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	75-135	1		11/11/16 14:32	17060-07-0	
Toluene-d8 (S)	100	%	89-112	1		11/11/16 14:32	2037-26-5	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery GMW
Pace Project No.: 35275408

Sample: 2MW-27S Trip Blank **Lab ID: 35275408004** Collected: 10/31/16 10:58 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/11/16 08:38	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/11/16 08:38	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/11/16 08:38	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/11/16 08:38	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/11/16 08:38	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/11/16 08:38	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/11/16 08:38	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/11/16 08:38	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/11/16 08:38	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/11/16 08:38	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 08:38	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/11/16 08:38	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/11/16 08:38	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/11/16 08:38	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/11/16 08:38	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/11/16 08:38	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 08:38	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 08:38	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/11/16 08:38	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 08:38	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 08:38	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 08:38	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 08:38	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 08:38	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/11/16 08:38	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 08:38	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 08:38	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/11/16 08:38	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/11/16 08:38	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/11/16 08:38	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/11/16 08:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/11/16 08:38	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/11/16 08:38	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/11/16 08:38	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/11/16 08:38	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/11/16 08:38	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/11/16 08:38	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 08:38	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 08:38	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 08:38	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/11/16 08:38	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/11/16 08:38	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/11/16 08:38	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/11/16 08:38	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/11/16 08:38	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	93	%	89-111	1		11/11/16 08:38	460-00-4	

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery GMW
Pace Project No.: 35275408

Sample: 2MW-27S Trip Blank **Lab ID: 35275408004** Collected: 10/31/16 10:58 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	75-135	1		11/11/16 08:38	17060-07-0	
Toluene-d8 (S)	99	%	89-112	1		11/11/16 08:38	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery GMW
Pace Project No.: 35275408

Sample: 2MW-27D Trip Blank **Lab ID: 35275408005** Collected: 10/31/16 11:57 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/11/16 09:03	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/11/16 09:03	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/11/16 09:03	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/11/16 09:03	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/11/16 09:03	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/11/16 09:03	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/11/16 09:03	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/11/16 09:03	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/11/16 09:03	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/11/16 09:03	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 09:03	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/11/16 09:03	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/11/16 09:03	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/11/16 09:03	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/11/16 09:03	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/11/16 09:03	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 09:03	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 09:03	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/11/16 09:03	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 09:03	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 09:03	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 09:03	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 09:03	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 09:03	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/11/16 09:03	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 09:03	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 09:03	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/11/16 09:03	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/11/16 09:03	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/11/16 09:03	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/11/16 09:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/11/16 09:03	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/11/16 09:03	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/11/16 09:03	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/11/16 09:03	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/11/16 09:03	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/11/16 09:03	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 09:03	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 09:03	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 09:03	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/11/16 09:03	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/11/16 09:03	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/11/16 09:03	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/11/16 09:03	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/11/16 09:03	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	95	%	89-111	1		11/11/16 09:03	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery GMW
Pace Project No.: 35275408

Sample: 2MW-27D Trip Blank **Lab ID: 35275408005** Collected: 10/31/16 11:57 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	75-135	1		11/11/16 09:03	17060-07-0	
Toluene-d8 (S)	100	%	89-112	1		11/11/16 09:03	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery GMW
Pace Project No.: 35275408

Sample: 2MW-15AD Trip Blank **Lab ID: 35275408006** Collected: 10/31/16 15:17 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/11/16 09:27	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/11/16 09:27	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/11/16 09:27	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/11/16 09:27	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/11/16 09:27	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/11/16 09:27	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/11/16 09:27	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/11/16 09:27	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/11/16 09:27	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/11/16 09:27	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 09:27	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/11/16 09:27	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/11/16 09:27	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/11/16 09:27	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/11/16 09:27	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/11/16 09:27	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 09:27	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 09:27	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/11/16 09:27	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 09:27	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 09:27	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 09:27	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 09:27	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 09:27	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/11/16 09:27	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 09:27	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 09:27	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/11/16 09:27	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/11/16 09:27	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/11/16 09:27	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/11/16 09:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/11/16 09:27	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/11/16 09:27	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/11/16 09:27	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/11/16 09:27	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/11/16 09:27	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/11/16 09:27	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 09:27	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 09:27	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 09:27	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/11/16 09:27	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/11/16 09:27	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/11/16 09:27	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/11/16 09:27	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/11/16 09:27	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	92	%	89-111	1		11/11/16 09:27	460-00-4	

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ANALYTICAL RESULTS

Project: Resource Recovery GMW
Pace Project No.: 35275408

Sample: 2MW-15AD Trip Blank **Lab ID: 35275408006** Collected: 10/31/16 15:17 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%	75-135	1		11/11/16 09:27	17060-07-0	
Toluene-d8 (S)	100	%	89-112	1		11/11/16 09:27	2037-26-5	

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QUALITY CONTROL DATA

Project: Resource Recovery GMW
Pace Project No.: 35275408

QC Batch: 332464 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Associated Lab Samples: 35275408001, 35275408002, 35275408003

METHOD BLANK: 1778799 | Matrix: Water
Associated Lab Samples: 35275408001, 35275408002, 35275408003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	11/16/16 15:03	

LABORATORY CONTROL SAMPLE: 1778800

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1778801 1778802

Parameter	Units	35274948001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10U	2	2	2.1	2.2	104	110	75-125	6	20	

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QUALITY CONTROL DATA

Project: Resource Recovery GMW
Pace Project No.: 35275408

QC Batch: 331931 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 35275408001, 35275408002, 35275408003

METHOD BLANK: 1775913 | Matrix: Water
Associated Lab Samples: 35275408001, 35275408002, 35275408003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	11/13/16 14:25	
Barium	ug/L	5.0U	10.0	11/13/16 14:25	
Beryllium	ug/L	0.50U	1.0	11/13/16 14:25	
Cadmium	ug/L	0.50U	1.0	11/13/16 14:25	
Chromium	ug/L	2.5U	5.0	11/13/16 14:25	
Cobalt	ug/L	5.0U	10.0	11/13/16 14:25	
Copper	ug/L	2.5U	5.0	11/13/16 14:25	
Iron	ug/L	20.0U	40.0	11/13/16 14:25	
Lead	ug/L	5.0U	10.0	11/13/16 14:25	
Nickel	ug/L	2.5U	5.0	11/13/16 14:25	
Selenium	ug/L	7.5U	15.0	11/13/16 14:25	
Silver	ug/L	2.5U	5.0	11/13/16 14:25	
Sodium	mg/L	0.50U	1.0	11/13/16 14:25	
Vanadium	ug/L	5.0U	10.0	11/13/16 14:25	
Zinc	ug/L	10.0U	20.0	11/13/16 14:25	

LABORATORY CONTROL SAMPLE: 1775914

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	254	101	80-120	
Barium	ug/L	250	250	100	80-120	
Beryllium	ug/L	25	26.0	104	80-120	
Cadmium	ug/L	25	26.0	104	80-120	
Chromium	ug/L	250	258	103	80-120	
Cobalt	ug/L	250	262	105	80-120	
Copper	ug/L	250	250	100	80-120	
Iron	ug/L	2500	2490	100	80-120	
Lead	ug/L	250	270	108	80-120	
Nickel	ug/L	250	267	107	80-120	
Selenium	ug/L	250	257	103	80-120	
Silver	ug/L	25	26.9	108	80-120	
Sodium	mg/L	12.5	12.8	103	80-120	
Vanadium	ug/L	250	254	102	80-120	
Zinc	ug/L	1250	1280	103	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery GMW
Pace Project No.: 35275408

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1775915 1775916

Parameter	Units	35274679001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	5.0U	250	250	266	264	106	106	75-125	1	20	
Barium	ug/L	18.9	250	250	265	265	99	98	75-125	0	20	
Beryllium	ug/L	0.50U	25	25	25.1	25.3	101	101	75-125	1	20	
Cadmium	ug/L	0.50U	25	25	24.6	24.3	98	97	75-125	1	20	
Chromium	ug/L	2.5U	250	250	253	254	101	101	75-125	0	20	
Cobalt	ug/L	5.0U	250	250	249	250	100	100	75-125	0	20	
Copper	ug/L	2.5U	250	250	261	261	104	105	75-125	0	20	
Iron	ug/L	236	2500	2500	2650	2630	97	96	75-125	1	20	
Lead	ug/L	13.2	250	250	266	266	101	101	75-125	0	20	
Nickel	ug/L	2.5U	250	250	249	248	100	99	75-125	1	20	
Selenium	ug/L	7.5U	250	250	173	147	69	59	75-125	16	20	M1
Silver	ug/L	2.5U	25	25	28.9	28.2	116	113	75-125	2	20	
Sodium	mg/L	539000 ug/L	12.5	12.5	546	550	61	87	75-125	1	20	M1
Vanadium	ug/L	5.0U	250	250	250	248	100	99	75-125	1	20	
Zinc	ug/L	10.0U	1250	1250	1320	1310	105	105	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery GMW
Pace Project No.: 35275408

QC Batch: 331932 | Analysis Method: EPA 6020
QC Batch Method: EPA 3010 | Analysis Description: 6020 MET
Associated Lab Samples: 35275408001, 35275408002, 35275408003

METHOD BLANK: 1775920 | Matrix: Water
Associated Lab Samples: 35275408001, 35275408002, 35275408003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	11/14/16 11:12	
Thallium	ug/L	0.50U	1.0	11/14/16 11:12	

LABORATORY CONTROL SAMPLE: 1775921

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	44.9	90	80-120	
Thallium	ug/L	50	47.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1775922 1775923

Parameter	Units	92318923006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	50	50	45.0	45.0	90	90	75-125	0	20	
Thallium	ug/L	ND	50	50	48.8	48.8	98	97	75-125	0	20	

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QUALITY CONTROL DATA

Project: Resource Recovery GMW
Pace Project No.: 35275408

QC Batch: 331518 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 35275408001, 35275408002, 35275408003, 35275408004, 35275408005, 35275408006

METHOD BLANK: 1772889 | Matrix: Water
Associated Lab Samples: 35275408001, 35275408002, 35275408003, 35275408004, 35275408005, 35275408006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	11/11/16 08:14	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	11/11/16 08:14	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	11/11/16 08:14	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	11/11/16 08:14	
1,1-Dichloroethane	ug/L	0.50U	1.0	11/11/16 08:14	
1,1-Dichloroethene	ug/L	0.50U	1.0	11/11/16 08:14	
1,2,3-Trichloropropane	ug/L	0.59U	1.0	11/11/16 08:14	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	11/11/16 08:14	
1,2-Dichloroethane	ug/L	0.50U	1.0	11/11/16 08:14	
1,2-Dichloropropane	ug/L	0.50U	1.0	11/11/16 08:14	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	11/11/16 08:14	
2-Butanone (MEK)	ug/L	5.0U	10.0	11/11/16 08:14	
2-Hexanone	ug/L	5.0U	10.0	11/11/16 08:14	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	11/11/16 08:14	
Acetone	ug/L	10.0U	20.0	11/11/16 08:14	
Acrylonitrile	ug/L	5.0U	10.0	11/11/16 08:14	
Benzene	ug/L	0.10U	1.0	11/11/16 08:14	
Bromochloromethane	ug/L	0.50U	1.0	11/11/16 08:14	
Bromodichloromethane	ug/L	0.27U	0.60	11/11/16 08:14	
Bromoform	ug/L	0.50U	1.0	11/11/16 08:14	
Bromomethane	ug/L	0.50U	5.0	11/11/16 08:14	
Carbon disulfide	ug/L	5.0U	10.0	11/11/16 08:14	
Carbon tetrachloride	ug/L	0.50U	1.0	11/11/16 08:14	
Chlorobenzene	ug/L	0.50U	1.0	11/11/16 08:14	
Chloroethane	ug/L	0.50U	10.0	11/11/16 08:14	
Chloroform	ug/L	0.50U	1.0	11/11/16 08:14	
Chloromethane	ug/L	0.62U	1.0	11/11/16 08:14	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	11/11/16 08:14	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	11/11/16 08:14	
Dibromochloromethane	ug/L	0.26U	0.50	11/11/16 08:14	
Dibromomethane	ug/L	0.50U	1.0	11/11/16 08:14	
Ethylbenzene	ug/L	0.50U	1.0	11/11/16 08:14	
Iodomethane	ug/L	0.50U	10.0	11/11/16 08:14	
Methylene Chloride	ug/L	2.5U	5.0	11/11/16 08:14	
Styrene	ug/L	0.50U	1.0	11/11/16 08:14	
Tetrachloroethene	ug/L	0.50U	1.0	11/11/16 08:14	
Toluene	ug/L	0.50U	1.0	11/11/16 08:14	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	11/11/16 08:14	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	11/11/16 08:14	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	11/11/16 08:14	
Trichloroethene	ug/L	0.50U	1.0	11/11/16 08:14	

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QUALITY CONTROL DATA

Project: Resource Recovery GMW
Pace Project No.: 35275408

METHOD BLANK: 1772889 Matrix: Water
Associated Lab Samples: 35275408001, 35275408002, 35275408003, 35275408004, 35275408005, 35275408006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50U	1.0	11/11/16 08:14	
Vinyl acetate	ug/L	1.0U	2.0	11/11/16 08:14	
Vinyl chloride	ug/L	0.50U	1.0	11/11/16 08:14	
Xylene (Total)	ug/L	1.5U	3.0	11/11/16 08:14	
1,2-Dichloroethane-d4 (S)	%	99	75-135	11/11/16 08:14	
4-Bromofluorobenzene (S)	%	94	89-111	11/11/16 08:14	
Toluene-d8 (S)	%	100	89-112	11/11/16 08:14	

LABORATORY CONTROL SAMPLE: 1772890

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.9	99	70-130	
1,1,1-Trichloroethane	ug/L	20	18.1	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.8	109	70-130	
1,1,2-Trichloroethane	ug/L	20	20.8	104	70-130	
1,1-Dichloroethane	ug/L	20	18.5	93	70-130	
1,1-Dichloroethene	ug/L	20	17.4	87	65-134	
1,2,3-Trichloropropane	ug/L	20	21.2	106	65-135	
1,2-Dichlorobenzene	ug/L	20	24.0	120	70-130	
1,2-Dichloroethane	ug/L	20	19.0	95	70-130	
1,2-Dichloropropane	ug/L	20	18.9	94	70-130	
1,4-Dichlorobenzene	ug/L	20	23.1	115	70-130	
2-Butanone (MEK)	ug/L	40	29.1	73	61-129	
2-Hexanone	ug/L	40	33.1	83	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	36.0	90	70-130	
Acetone	ug/L	40	31.0	77	44-155	
Acrylonitrile	ug/L	200	162	81	59-138	
Benzene	ug/L	20	18.5	92	70-130	
Bromochloromethane	ug/L	20	19.1	96	70-130	
Bromodichloromethane	ug/L	20	19.8	99	70-130	
Bromoform	ug/L	20	18.8	94	62-129	
Bromomethane	ug/L	20	16.2	81	10-179	
Carbon disulfide	ug/L	20	19.6	98	40-156	
Carbon tetrachloride	ug/L	20	18.3	91	66-127	
Chlorobenzene	ug/L	20	21.2	106	70-130	
Chloroethane	ug/L	20	20.3	101	57-142	
Chloroform	ug/L	20	18.8	94	70-130	
Chloromethane	ug/L	20	20.8	104	45-150	
cis-1,2-Dichloroethene	ug/L	20	19.0	95	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.8	99	70-130	
Dibromochloromethane	ug/L	20	20.5	103	70-130	
Dibromomethane	ug/L	20	19.3	96	70-130	
Ethylbenzene	ug/L	20	20.0	100	70-130	
Iodomethane	ug/L	40	45.3	113	21-150	

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QUALITY CONTROL DATA

Project: Resource Recovery GMW
Pace Project No.: 35275408

LABORATORY CONTROL SAMPLE: 1772890

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	18.3	91	65-127	
Styrene	ug/L	20	21.9	109	70-130	
Tetrachloroethene	ug/L	20	18.6	93	48-155	
Toluene	ug/L	20	20.0	100	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.8	94	68-126	
trans-1,3-Dichloropropene	ug/L	20	19.8	99	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	18.4	92	46-138	
Trichloroethene	ug/L	20	18.5	93	69-129	
Trichlorofluoromethane	ug/L	20	20.0	100	60-144	
Vinyl acetate	ug/L	20	19.6	98	70-130	
Vinyl chloride	ug/L	20	20.9	105	67-136	
Xylene (Total)	ug/L	60	61.3	102	70-130	
1,2-Dichloroethane-d4 (S)	%			101	75-135	
4-Bromofluorobenzene (S)	%			97	89-111	
Toluene-d8 (S)	%			97	89-112	

MATRIX SPIKE SAMPLE: 1777459

Parameter	Units	35275984003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	19.0	95	70-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	19.2	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	20.8	104	70-130	
1,1,2-Trichloroethane	ug/L	0.50U	20	19.9	99	70-130	
1,1-Dichloroethane	ug/L	0.50U	20	19.7	99	70-130	
1,1-Dichloroethene	ug/L	0.50U	20	19.9	99	65-134	
1,2,3-Trichloropropane	ug/L	0.59U	20	20.2	101	65-135	
1,2-Dichlorobenzene	ug/L	0.50U	20	21.4	107	70-130	
1,2-Dichloroethane	ug/L	0.50U	20	18.6	93	70-130	
1,2-Dichloropropane	ug/L	0.50U	20	18.9	95	70-130	
1,4-Dichlorobenzene	ug/L	0.50U	20	20.5	102	70-130	
2-Butanone (MEK)	ug/L	5.0U	40	37.5	94	61-129	
2-Hexanone	ug/L	5.0U	40	35.3	88	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	36.8	92	70-130	
Acetone	ug/L	10.0U	40	37.5	94	44-155	
Acrylonitrile	ug/L	5.0U	200	171	86	59-138	
Benzene	ug/L	0.10U	20	18.8	94	70-130	
Bromochloromethane	ug/L	0.50U	20	19.0	95	70-130	
Bromodichloromethane	ug/L	0.27U	20	20.2	101	70-130	
Bromoform	ug/L	0.50U	20	17.4	87	62-129	
Bromomethane	ug/L	0.50U	20	17.5	88	10-179	
Carbon disulfide	ug/L	5.0U	20	19.9	99	40-156	
Carbon tetrachloride	ug/L	0.50U	20	18.6	93	66-127	
Chlorobenzene	ug/L	0.50U	20	20.5	102	70-130	
Chloroethane	ug/L	0.50U	20	21.8	109	57-142	
Chloroform	ug/L	0.50U	20	18.8	94	70-130	

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

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery GMW
Pace Project No.: 35275408

MATRIX SPIKE SAMPLE: 1777459

Parameter	Units	35275984003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62U	20	21.0	105	45-150	
cis-1,2-Dichloroethene	ug/L	0.50U	20	20.1	101	70-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	17.5	87	70-130	
Dibromochloromethane	ug/L	0.26U	20	18.8	94	70-130	
Dibromomethane	ug/L	0.50U	20	18.9	94	70-130	
Ethylbenzene	ug/L	0.50U	20	19.3	97	70-130	
Iodomethane	ug/L	0.50U	40	48.9	122	21-150	
Methylene Chloride	ug/L	2.5U	20	15.1	75	65-127	
Styrene	ug/L	0.50U	20	20.5	102	70-130	
Tetrachloroethene	ug/L	0.50U	20	14.4	72	48-155	
Toluene	ug/L	0.50U	20	19.6	98	70-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	18.8	94	68-126	
trans-1,3-Dichloropropene	ug/L	0.25U	20	16.8	84	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	14.4	72	46-138	
Trichloroethene	ug/L	0.50U	20	18.5	92	69-129	
Trichlorofluoromethane	ug/L	0.50U	20	23.2	116	60-144	
Vinyl acetate	ug/L	1.0U	20	11.5	57	70-130	M1
Vinyl chloride	ug/L	0.50U	20	21.0	105	67-136	
Xylene (Total)	ug/L	1.5U	60	59.4	99	70-130	
1,2-Dichloroethane-d4 (S)	%				102	75-135	
4-Bromofluorobenzene (S)	%				96	89-111	
Toluene-d8 (S)	%				99	89-112	

SAMPLE DUPLICATE: 1777458

Parameter	Units	35275984002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.59U	0.59U		40	
1,2-Dichlorobenzene	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane	ug/L	0.50U	0.50U		40	
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,4-Dichlorobenzene	ug/L	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	0.10U	0.10U		40	
Bromochloromethane	ug/L	0.50U	0.50U		40	
Bromodichloromethane	ug/L	0.27U	0.27U		40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery GMW
Pace Project No.: 35275408

SAMPLE DUPLICATE: 1777458

Parameter	Units	35275984002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50U	0.50U		40	
Bromomethane	ug/L	0.50U	0.50U		40	
Carbon disulfide	ug/L	5.0U	5.0U		40	
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	0.50U	0.50U		40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	
Chloromethane	ug/L	0.62U	0.62U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.50U	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	1.5U	1.5U		40	
1,2-Dichloroethane-d4 (S)	%	100	101	1	40	
4-Bromofluorobenzene (S)	%	93	94	1	40	
Toluene-d8 (S)	%	100	100	0	40	

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QUALITY CONTROL DATA

Project: Resource Recovery GMW
Pace Project No.: 35275408

QC Batch: 331578 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35275408001, 35275408002, 35275408003

METHOD BLANK: 1773556 | Matrix: Water
Associated Lab Samples: 35275408001, 35275408002, 35275408003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	11/12/16 04:07	
1,2-Dibromoethane (EDB)	ug/L	0.0075U	0.010	11/12/16 04:07	

LABORATORY CONTROL SAMPLE: 1773557

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.25	99	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.24	95	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1773848 1773849

Parameter	Units	35275407001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0047U	.44	.44	0.57	0.57	130	131	60-140	1	40	
1,2-Dibromoethane (EDB)	ug/L	0.0072U	.44	.44	0.55	0.55	126	127	60-140	1	40	

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(386)672-5668

QUALIFIERS

Project: Resource Recovery GMW
Pace Project No.: 35275408

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 adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

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.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery GMW
Pace Project No.: 35275408

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35275408001	**2MW-27S**	EPA 8011	331578	EPA 8011	331687
35275408002	**2MW-27D**	EPA 8011	331578	EPA 8011	331687
35275408003	**2MW-15AD**	EPA 8011	331578	EPA 8011	331687
35275408001	**2MW-27S**	EPA 3010	331931	EPA 6010	331957
35275408002	**2MW-27D**	EPA 3010	331931	EPA 6010	331957
35275408003	**2MW-15AD**	EPA 3010	331931	EPA 6010	331957
35275408001	**2MW-27S**	EPA 3010	331932	EPA 6020	331953
35275408002	**2MW-27D**	EPA 3010	331932	EPA 6020	331953
35275408003	**2MW-15AD**	EPA 3010	331932	EPA 6020	331953
35275408001	**2MW-27S**	EPA 7470	332464	EPA 7470	332574
35275408002	**2MW-27D**	EPA 7470	332464	EPA 7470	332574
35275408003	**2MW-15AD**	EPA 7470	332464	EPA 7470	332574
35275408001	**2MW-27S**	EPA 8260	331518		
35275408002	**2MW-27D**	EPA 8260	331518		
35275408003	**2MW-15AD**	EPA 8260	331518		
35275408004	**2MW-27S Trip Blank**	EPA 8260	331518		
35275408005	**2MW-27D Trip Blank**	EPA 8260	331518		
35275408006	**2MW-15AD Trip Blank**	EPA 8260	331518		

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WO# : 35275408

35275408

SOUTHERN ANALYTICAL LABORATORIES,

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-8

SAL Project No. _____

Client Name: Pasco Co Environmental Lab

Phone: 727-847-8902

Project Name / Location: Resource Recovery GMW

Samplers: (Signature) Mariam Bernal

Matrix Codes:
DW-Drinking Water WW-Wastewater
SW-SurfaceWater SL-Sludge SO-Soil
GW-Groundwater SA-Saline Water O-Other
R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	Metals Fe, Hg, Na 125 ml P, HNO_3	App. II 40 ml V, Cool	App. II 40 ml V, HCL	Trip Blank 40 ml V	App. II 250 ml P, HNO_3				No. of Containers (Total per each location)
	2MW-27S	10-31-16	1058	GW		✓	1	3	3	1	1				9 ~~8~~ MS
	2MW-27D	10-31-16	1157	GW		✓	1	3	3	1	1				9 ~~8~~ MS
	2MW-15AD	10-31-16	1517	GW		✓	1	3	3	1	1				9

Sent to S.A.L. 11/2/16

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
Mariam Bernal	10-31-16 17:00	[signature]	10/31/16 @ 1700
Relinquished: [signature]	Date/Time: 11/2/16	Received: [signature]	Date/Time: 11/02/16 11:05
Relinquished: [signature]	Date/Time: 11/2/16 2:20	Received: [signature] Pace	Date/Time: 11/2/16 11/2/16
Relinquished:	Date/Time:	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:

Seal intact? Y N N/A
Samples intact upon arrival? Y N N/A
Received on ice? Temp_____ Y N N/A
Proper preservatives indicated? Y N N/A
Rec'd within holding time? Y N N/A
Volatiles rec'd w/out headspace? Y N N/A
Proper containers used? Y N N/A

Instructions / Remarks

Chain of Custody.xls
Rev.Date 11/19/01

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form Document No.: F-FL-C-007 rev. 10	Document Revised: August 10, 2016 Issuing Authority: Pace Florida Quality Office

Sample

WO#: 35275408

Project #
Project Manager: PM: KN1 **Due Date:** 11/16/16
Client: CLIENT: PASCOU

Date and Initials of person:
Examining contents: MJH
Label: 11-8-16 MJH
Deliver: MJH
pH: MJH

Thermometer Used: T140 Date: 11-5-16 Time: 2330 Initials: CLG

Samples shorted to lab (If Yes, complete) Shorted Date: _____ Shorted Time: _____ Qty: _____

Cooler #1 Temp.°C 3.6 **(Visual)**	— **(Correction Factor)**	3.6 **(Actual)**	☑ Samples on ice, cooling process has begun
Cooler #2 Temp.°C _____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C _____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C _____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C _____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C _____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other_____

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ Other_____

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals intact:** ☐ Yes ☐ No **Ice:** (Wet) Blue None

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

		Comments:
Chain of Custody Present	☑ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☑ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☑ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☑ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☑ No ☐ N/A	
Sufficient Volume	☑ Yes ☐ No ☐ N/A	
Correct Containers Used	☑ Yes ☐ No ☐ N/A	
Containers Intact	☑ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☑ Yes ☐ No ☐ N/A	Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☑ Yes ☐ No ☐ N/A	
Headspace in VOA Vials? (>6mm):	☐ Yes ☑ No ☐ N/A	
Trip Blank Present:	☑ Yes ☐ No ☐ N/A	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments): _____

Project Manager Review: _____ Date: _____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

November 28, 2016

Ms. Candia E. Mulhern
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

RE: Project: Resource Recovery GWM
Pace Project No.: 35275407

Dear Ms. Mulhern:
Enclosed are the analytical results for sample(s) received by the laboratory on November 02, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Kevin Herring for
Kathryn Nordmark
kathryn.nordmark@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: Resource Recovery GWM
Pace Project No.: 35275407

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: Resource Recovery GWM
Pace Project No.: 35275407

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35275407001	**4MW-6**	Water	11/01/16 16:06	11/02/16 13:05
35275407002	**4MW-4**	Water	11/01/16 11:26	11/02/16 13:05
35275407003	**4MW-6 Trip Blank**	Water	11/01/16 16:06	11/02/16 13:05
35275407004	**4MW-4 Trip Blank**	Water	11/01/16 11:26	11/02/16 13:05

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SAMPLE ANALYTE COUNT

Project: Resource Recovery GWM
Pace Project No.: 35275407

Lab ID	Sample ID	Method	Analysts	Analytes Reported
35275407001	**4MW-6**	EPA 8011	SMH	2
		EPA 6010	RVK	15
		EPA 6020	DRS	2
		EPA 7470	RVK	1
		EPA 8260	SK1	48
35275407002	**4MW-4**	EPA 8011	SMH	2
		EPA 6010	RVK	15
		EPA 6020	DRS	2
		EPA 7470	RVK	1
		EPA 8260	SK1	48
35275407003	**4MW-6 Trip Blank**	EPA 8260	SK1	48
35275407004	**4MW-4 Trip Blank**	EPA 8260	SK1	48

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275407

Sample: 4MW-6 **Lab ID: 35275407001** Collected: 11/01/16 16:06 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0047U**	ug/L	0.019	1	11/11/16 01:30	11/12/16 04:37	96-12-8	
1,2-Dibromoethane (EDB)	**0.0072U**	ug/L	0.0097	1	11/11/16 01:30	11/12/16 04:37	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	1	11/12/16 09:44	11/13/16 14:54	7440-38-2	
Barium	**5.0U**	ug/L	10.0	1	11/12/16 09:44	11/13/16 14:54	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/13/16 14:54	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/13/16 14:54	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 14:54	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	1	11/12/16 09:44	11/13/16 14:54	7440-48-4	
Copper	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 14:54	7440-50-8	
Iron	**20.0U**	ug/L	40.0	1	11/12/16 09:44	11/13/16 14:54	7439-89-6	
Lead	**6.4J**	ug/L	10.0	1	11/12/16 09:44	11/13/16 14:54	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 14:54	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	1	11/12/16 09:44	11/13/16 14:54	7782-49-2	
Silver	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 14:54	7440-22-4	
Sodium	**3.2**	mg/L	1.0	1	11/12/16 09:44	11/13/16 14:54	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	1	11/12/16 09:44	11/13/16 14:54	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	1	11/12/16 09:44	11/13/16 14:54	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/14/16 11:25	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/14/16 11:25	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	1	11/15/16 01:08	11/16/16 15:27	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/11/16 15:03	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/11/16 15:03	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/11/16 15:03	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/11/16 15:03	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/11/16 15:03	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/11/16 15:03	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/11/16 15:03	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/11/16 15:03	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/11/16 15:03	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/11/16 15:03	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 15:03	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/11/16 15:03	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/11/16 15:03	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/11/16 15:03	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/11/16 15:03	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/11/16 15:03	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 15:03	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 15:03	106-46-7	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275407

Sample: 4MW-6 **Lab ID: 35275407001** Collected: 11/01/16 16:06 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/11/16 15:03	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 15:03	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 15:03	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 15:03	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 15:03	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 15:03	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/11/16 15:03	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 15:03	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 15:03	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/11/16 15:03	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/11/16 15:03	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/11/16 15:03	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/11/16 15:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/11/16 15:03	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/11/16 15:03	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/11/16 15:03	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/11/16 15:03	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/11/16 15:03	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/11/16 15:03	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 15:03	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 15:03	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 15:03	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/11/16 15:03	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/11/16 15:03	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/11/16 15:03	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/11/16 15:03	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/11/16 15:03	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	92	%	89-111	1		11/11/16 15:03	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	75-135	1		11/11/16 15:03	17060-07-0	
Toluene-d8 (S)	99	%	89-112	1		11/11/16 15:03	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275407

Sample: 4MW-4 **Lab ID: 35275407002** Collected: 11/01/16 11:26 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0048U**	ug/L	0.020	1	11/11/16 01:30	11/12/16 05:23	96-12-8	
1,2-Dibromoethane (EDB)	**0.0073U**	ug/L	0.0098	1	11/11/16 01:30	11/12/16 05:23	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	1	11/12/16 09:44	11/13/16 14:58	7440-38-2	
Barium	**8.6J**	ug/L	10.0	1	11/12/16 09:44	11/13/16 14:58	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/13/16 14:58	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/13/16 14:58	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 14:58	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	1	11/12/16 09:44	11/13/16 14:58	7440-48-4	
Copper	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 14:58	7440-50-8	
Iron	**20.0U**	ug/L	40.0	1	11/12/16 09:44	11/13/16 14:58	7439-89-6	
Lead	**8.3J**	ug/L	10.0	1	11/12/16 09:44	11/13/16 14:58	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 14:58	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	1	11/12/16 09:44	11/13/16 14:58	7782-49-2	
Silver	**2.5U**	ug/L	5.0	1	11/12/16 09:44	11/13/16 14:58	7440-22-4	
Sodium	**5.8**	mg/L	1.0	1	11/12/16 09:44	11/13/16 14:58	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	1	11/12/16 09:44	11/13/16 14:58	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	1	11/12/16 09:44	11/13/16 14:58	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/14/16 11:27	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	1	11/12/16 09:44	11/14/16 11:27	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	1	11/15/16 01:08	11/16/16 15:29	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/11/16 21:28	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/11/16 21:28	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/11/16 21:28	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/11/16 21:28	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/11/16 21:28	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/11/16 21:28	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/11/16 21:28	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/11/16 21:28	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/11/16 21:28	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/11/16 21:28	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 21:28	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/11/16 21:28	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/11/16 21:28	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/11/16 21:28	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/11/16 21:28	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/11/16 21:28	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 21:28	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 21:28	106-46-7	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275407

Sample: 4MW-4 **Lab ID: 35275407002** Collected: 11/01/16 11:26 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/11/16 21:28	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 21:28	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 21:28	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 21:28	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 21:28	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 21:28	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/11/16 21:28	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 21:28	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 21:28	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/11/16 21:28	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/11/16 21:28	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/11/16 21:28	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/11/16 21:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/11/16 21:28	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/11/16 21:28	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/11/16 21:28	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/11/16 21:28	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/11/16 21:28	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/11/16 21:28	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 21:28	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 21:28	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 21:28	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/11/16 21:28	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/11/16 21:28	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/11/16 21:28	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/11/16 21:28	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/11/16 21:28	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	105	%	89-111	1		11/11/16 21:28	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	75-135	1		11/11/16 21:28	17060-07-0	
Toluene-d8 (S)	105	%	89-112	1		11/11/16 21:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275407

Sample: 4MW-6 Trip Blank **Lab ID: 35275407003** Collected: 11/01/16 16:06 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/11/16 16:09	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/11/16 16:09	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/11/16 16:09	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/11/16 16:09	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/11/16 16:09	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/11/16 16:09	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/11/16 16:09	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/11/16 16:09	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/11/16 16:09	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/11/16 16:09	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 16:09	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/11/16 16:09	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/11/16 16:09	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/11/16 16:09	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/11/16 16:09	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/11/16 16:09	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 16:09	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 16:09	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/11/16 16:09	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 16:09	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 16:09	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 16:09	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 16:09	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 16:09	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/11/16 16:09	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 16:09	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 16:09	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/11/16 16:09	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/11/16 16:09	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/11/16 16:09	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/11/16 16:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/11/16 16:09	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/11/16 16:09	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/11/16 16:09	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/11/16 16:09	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/11/16 16:09	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/11/16 16:09	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 16:09	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 16:09	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 16:09	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/11/16 16:09	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/11/16 16:09	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/11/16 16:09	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/11/16 16:09	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/11/16 16:09	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	104	%	89-111	1		11/11/16 16:09	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275407

Sample: 4MW-6 Trip Blank **Lab ID: 35275407003** Collected: 11/01/16 16:06 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	75-135	1		11/11/16 16:09	17060-07-0	
Toluene-d8 (S)	105	%	89-112	1		11/11/16 16:09	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275407

Sample: 4MW-4 Trip Blank **Lab ID: 35275407004** Collected: 11/01/16 11:26 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/11/16 16:35	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/11/16 16:35	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/11/16 16:35	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/11/16 16:35	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/11/16 16:35	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/11/16 16:35	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/11/16 16:35	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/11/16 16:35	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/11/16 16:35	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/11/16 16:35	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 16:35	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/11/16 16:35	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/11/16 16:35	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/11/16 16:35	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/11/16 16:35	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/11/16 16:35	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 16:35	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/11/16 16:35	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/11/16 16:35	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 16:35	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 16:35	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 16:35	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 16:35	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 16:35	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/11/16 16:35	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 16:35	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/11/16 16:35	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/11/16 16:35	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/11/16 16:35	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/11/16 16:35	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/11/16 16:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/11/16 16:35	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/11/16 16:35	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/11/16 16:35	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/11/16 16:35	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/11/16 16:35	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/11/16 16:35	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 16:35	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/11/16 16:35	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/11/16 16:35	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/11/16 16:35	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/11/16 16:35	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/11/16 16:35	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/11/16 16:35	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/11/16 16:35	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	104	%	89-111	1		11/11/16 16:35	460-00-4	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275407

Sample: 4MW-4 Trip Blank **Lab ID: 35275407004** Collected: 11/01/16 11:26 Received: 11/02/16 13:05 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	75-135	1		11/11/16 16:35	17060-07-0	
Toluene-d8 (S)	107	%	89-112	1		11/11/16 16:35	2037-26-5	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275407

QC Batch: 332464 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Associated Lab Samples: 35275407001, 35275407002

METHOD BLANK: 1778799 | Matrix: Water
Associated Lab Samples: 35275407001, 35275407002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	11/16/16 15:03	

LABORATORY CONTROL SAMPLE: 1778800

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1778801 1778802

Parameter	Units	35274948001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10U	2	2	2.1	2.2	104	110	75-125	6	20	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275407

QC Batch: 331931 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 35275407001, 35275407002

METHOD BLANK: 1775913 | Matrix: Water
Associated Lab Samples: 35275407001, 35275407002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	11/13/16 14:25	
Barium	ug/L	5.0U	10.0	11/13/16 14:25	
Beryllium	ug/L	0.50U	1.0	11/13/16 14:25	
Cadmium	ug/L	0.50U	1.0	11/13/16 14:25	
Chromium	ug/L	2.5U	5.0	11/13/16 14:25	
Cobalt	ug/L	5.0U	10.0	11/13/16 14:25	
Copper	ug/L	2.5U	5.0	11/13/16 14:25	
Iron	ug/L	20.0U	40.0	11/13/16 14:25	
Lead	ug/L	5.0U	10.0	11/13/16 14:25	
Nickel	ug/L	2.5U	5.0	11/13/16 14:25	
Selenium	ug/L	7.5U	15.0	11/13/16 14:25	
Silver	ug/L	2.5U	5.0	11/13/16 14:25	
Sodium	mg/L	0.50U	1.0	11/13/16 14:25	
Vanadium	ug/L	5.0U	10.0	11/13/16 14:25	
Zinc	ug/L	10.0U	20.0	11/13/16 14:25	

LABORATORY CONTROL SAMPLE: 1775914

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	254	101	80-120	
Barium	ug/L	250	250	100	80-120	
Beryllium	ug/L	25	26.0	104	80-120	
Cadmium	ug/L	25	26.0	104	80-120	
Chromium	ug/L	250	258	103	80-120	
Cobalt	ug/L	250	262	105	80-120	
Copper	ug/L	250	250	100	80-120	
Iron	ug/L	2500	2490	100	80-120	
Lead	ug/L	250	270	108	80-120	
Nickel	ug/L	250	267	107	80-120	
Selenium	ug/L	250	257	103	80-120	
Silver	ug/L	25	26.9	108	80-120	
Sodium	mg/L	12.5	12.8	103	80-120	
Vanadium	ug/L	250	254	102	80-120	
Zinc	ug/L	1250	1280	103	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275407

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1775915 1775916

Parameter	Units	35274679001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	5.0U	250	250	266	264	106	106	75-125	1	20	
Barium	ug/L	18.9	250	250	265	265	99	98	75-125	0	20	
Beryllium	ug/L	0.50U	25	25	25.1	25.3	101	101	75-125	1	20	
Cadmium	ug/L	0.50U	25	25	24.6	24.3	98	97	75-125	1	20	
Chromium	ug/L	2.5U	250	250	253	254	101	101	75-125	0	20	
Cobalt	ug/L	5.0U	250	250	249	250	100	100	75-125	0	20	
Copper	ug/L	2.5U	250	250	261	261	104	105	75-125	0	20	
Iron	ug/L	236	2500	2500	2650	2630	97	96	75-125	1	20	
Lead	ug/L	13.2	250	250	266	266	101	101	75-125	0	20	
Nickel	ug/L	2.5U	250	250	249	248	100	99	75-125	1	20	
Selenium	ug/L	7.5U	250	250	173	147	69	59	75-125	16	20	M1
Silver	ug/L	2.5U	25	25	28.9	28.2	116	113	75-125	2	20	
Sodium	mg/L	539000 ug/L	12.5	12.5	546	550	61	87	75-125	1	20	M1
Vanadium	ug/L	5.0U	250	250	250	248	100	99	75-125	1	20	
Zinc	ug/L	10.0U	1250	1250	1320	1310	105	105	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275407

QC Batch: 331932 | Analysis Method: EPA 6020
QC Batch Method: EPA 3010 | Analysis Description: 6020 MET
Associated Lab Samples: 35275407001, 35275407002

METHOD BLANK: 1775920 | Matrix: Water
Associated Lab Samples: 35275407001, 35275407002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	11/14/16 11:12	
Thallium	ug/L	0.50U	1.0	11/14/16 11:12	

LABORATORY CONTROL SAMPLE: 1775921

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	44.9	90	80-120	
Thallium	ug/L	50	47.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1775922 1775923

Parameter	Units	92318923006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	50	50	45.0	45.0	90	90	75-125	0	20	
Thallium	ug/L	ND	50	50	48.8	48.8	98	97	75-125	0	20	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275407

QC Batch: 331518 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 35275407001

METHOD BLANK: 1772889 | Matrix: Water
Associated Lab Samples: 35275407001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	11/11/16 08:14	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	11/11/16 08:14	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	11/11/16 08:14	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	11/11/16 08:14	
1,1-Dichloroethane	ug/L	0.50U	1.0	11/11/16 08:14	
1,1-Dichloroethene	ug/L	0.50U	1.0	11/11/16 08:14	
1,2,3-Trichloropropane	ug/L	0.59U	1.0	11/11/16 08:14	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	11/11/16 08:14	
1,2-Dichloroethane	ug/L	0.50U	1.0	11/11/16 08:14	
1,2-Dichloropropane	ug/L	0.50U	1.0	11/11/16 08:14	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	11/11/16 08:14	
2-Butanone (MEK)	ug/L	5.0U	10.0	11/11/16 08:14	
2-Hexanone	ug/L	5.0U	10.0	11/11/16 08:14	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	11/11/16 08:14	
Acetone	ug/L	10.0U	20.0	11/11/16 08:14	
Acrylonitrile	ug/L	5.0U	10.0	11/11/16 08:14	
Benzene	ug/L	0.10U	1.0	11/11/16 08:14	
Bromochloromethane	ug/L	0.50U	1.0	11/11/16 08:14	
Bromodichloromethane	ug/L	0.27U	0.60	11/11/16 08:14	
Bromoform	ug/L	0.50U	1.0	11/11/16 08:14	
Bromomethane	ug/L	0.50U	5.0	11/11/16 08:14	
Carbon disulfide	ug/L	5.0U	10.0	11/11/16 08:14	
Carbon tetrachloride	ug/L	0.50U	1.0	11/11/16 08:14	
Chlorobenzene	ug/L	0.50U	1.0	11/11/16 08:14	
Chloroethane	ug/L	0.50U	10.0	11/11/16 08:14	
Chloroform	ug/L	0.50U	1.0	11/11/16 08:14	
Chloromethane	ug/L	0.62U	1.0	11/11/16 08:14	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	11/11/16 08:14	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	11/11/16 08:14	
Dibromochloromethane	ug/L	0.26U	0.50	11/11/16 08:14	
Dibromomethane	ug/L	0.50U	1.0	11/11/16 08:14	
Ethylbenzene	ug/L	0.50U	1.0	11/11/16 08:14	
Iodomethane	ug/L	0.50U	10.0	11/11/16 08:14	
Methylene Chloride	ug/L	2.5U	5.0	11/11/16 08:14	
Styrene	ug/L	0.50U	1.0	11/11/16 08:14	
Tetrachloroethene	ug/L	0.50U	1.0	11/11/16 08:14	
Toluene	ug/L	0.50U	1.0	11/11/16 08:14	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	11/11/16 08:14	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	11/11/16 08:14	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	11/11/16 08:14	
Trichloroethene	ug/L	0.50U	1.0	11/11/16 08:14	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275407

METHOD BLANK: 1772889 Matrix: Water
Associated Lab Samples: 35275407001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50U	1.0	11/11/16 08:14	
Vinyl acetate	ug/L	1.0U	2.0	11/11/16 08:14	
Vinyl chloride	ug/L	0.50U	1.0	11/11/16 08:14	
Xylene (Total)	ug/L	1.5U	3.0	11/11/16 08:14	
1,2-Dichloroethane-d4 (S)	%	99	75-135	11/11/16 08:14	
4-Bromofluorobenzene (S)	%	94	89-111	11/11/16 08:14	
Toluene-d8 (S)	%	100	89-112	11/11/16 08:14	

LABORATORY CONTROL SAMPLE: 1772890

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.9	99	70-130	
1,1,1-Trichloroethane	ug/L	20	18.1	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.8	109	70-130	
1,1,2-Trichloroethane	ug/L	20	20.8	104	70-130	
1,1-Dichloroethane	ug/L	20	18.5	93	70-130	
1,1-Dichloroethene	ug/L	20	17.4	87	65-134	
1,2,3-Trichloropropane	ug/L	20	21.2	106	65-135	
1,2-Dichlorobenzene	ug/L	20	24.0	120	70-130	
1,2-Dichloroethane	ug/L	20	19.0	95	70-130	
1,2-Dichloropropane	ug/L	20	18.9	94	70-130	
1,4-Dichlorobenzene	ug/L	20	23.1	115	70-130	
2-Butanone (MEK)	ug/L	40	29.1	73	61-129	
2-Hexanone	ug/L	40	33.1	83	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	36.0	90	70-130	
Acetone	ug/L	40	31.0	77	44-155	
Acrylonitrile	ug/L	200	162	81	59-138	
Benzene	ug/L	20	18.5	92	70-130	
Bromochloromethane	ug/L	20	19.1	96	70-130	
Bromodichloromethane	ug/L	20	19.8	99	70-130	
Bromoform	ug/L	20	18.8	94	62-129	
Bromomethane	ug/L	20	16.2	81	10-179	
Carbon disulfide	ug/L	20	19.6	98	40-156	
Carbon tetrachloride	ug/L	20	18.3	91	66-127	
Chlorobenzene	ug/L	20	21.2	106	70-130	
Chloroethane	ug/L	20	20.3	101	57-142	
Chloroform	ug/L	20	18.8	94	70-130	
Chloromethane	ug/L	20	20.8	104	45-150	
cis-1,2-Dichloroethene	ug/L	20	19.0	95	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.8	99	70-130	
Dibromochloromethane	ug/L	20	20.5	103	70-130	
Dibromomethane	ug/L	20	19.3	96	70-130	
Ethylbenzene	ug/L	20	20.0	100	70-130	
Iodomethane	ug/L	40	45.3	113	21-150	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275407

LABORATORY CONTROL SAMPLE: 1772890

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	18.3	91	65-127	
Styrene	ug/L	20	21.9	109	70-130	
Tetrachloroethene	ug/L	20	18.6	93	48-155	
Toluene	ug/L	20	20.0	100	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.8	94	68-126	
trans-1,3-Dichloropropene	ug/L	20	19.8	99	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	18.4	92	46-138	
Trichloroethene	ug/L	20	18.5	93	69-129	
Trichlorofluoromethane	ug/L	20	20.0	100	60-144	
Vinyl acetate	ug/L	20	19.6	98	70-130	
Vinyl chloride	ug/L	20	20.9	105	67-136	
Xylene (Total)	ug/L	60	61.3	102	70-130	
1,2-Dichloroethane-d4 (S)	%			101	75-135	
4-Bromofluorobenzene (S)	%			97	89-111	
Toluene-d8 (S)	%			97	89-112	

MATRIX SPIKE SAMPLE: 1777459

Parameter	Units	35275984003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	19.0	95	70-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	19.2	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	20.8	104	70-130	
1,1,2-Trichloroethane	ug/L	0.50U	20	19.9	99	70-130	
1,1-Dichloroethane	ug/L	0.50U	20	19.7	99	70-130	
1,1-Dichloroethene	ug/L	0.50U	20	19.9	99	65-134	
1,2,3-Trichloropropane	ug/L	0.59U	20	20.2	101	65-135	
1,2-Dichlorobenzene	ug/L	0.50U	20	21.4	107	70-130	
1,2-Dichloroethane	ug/L	0.50U	20	18.6	93	70-130	
1,2-Dichloropropane	ug/L	0.50U	20	18.9	95	70-130	
1,4-Dichlorobenzene	ug/L	0.50U	20	20.5	102	70-130	
2-Butanone (MEK)	ug/L	5.0U	40	37.5	94	61-129	
2-Hexanone	ug/L	5.0U	40	35.3	88	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	36.8	92	70-130	
Acetone	ug/L	10.0U	40	37.5	94	44-155	
Acrylonitrile	ug/L	5.0U	200	171	86	59-138	
Benzene	ug/L	0.10U	20	18.8	94	70-130	
Bromochloromethane	ug/L	0.50U	20	19.0	95	70-130	
Bromodichloromethane	ug/L	0.27U	20	20.2	101	70-130	
Bromoform	ug/L	0.50U	20	17.4	87	62-129	
Bromomethane	ug/L	0.50U	20	17.5	88	10-179	
Carbon disulfide	ug/L	5.0U	20	19.9	99	40-156	
Carbon tetrachloride	ug/L	0.50U	20	18.6	93	66-127	
Chlorobenzene	ug/L	0.50U	20	20.5	102	70-130	
Chloroethane	ug/L	0.50U	20	21.8	109	57-142	
Chloroform	ug/L	0.50U	20	18.8	94	70-130	

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REPORT OF LABORATORY ANALYSIS

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275407

MATRIX SPIKE SAMPLE: 1777459

Parameter	Units	35275984003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62U	20	21.0	105	45-150	
cis-1,2-Dichloroethene	ug/L	0.50U	20	20.1	101	70-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	17.5	87	70-130	
Dibromochloromethane	ug/L	0.26U	20	18.8	94	70-130	
Dibromomethane	ug/L	0.50U	20	18.9	94	70-130	
Ethylbenzene	ug/L	0.50U	20	19.3	97	70-130	
Iodomethane	ug/L	0.50U	40	48.9	122	21-150	
Methylene Chloride	ug/L	2.5U	20	15.1	75	65-127	
Styrene	ug/L	0.50U	20	20.5	102	70-130	
Tetrachloroethene	ug/L	0.50U	20	14.4	72	48-155	
Toluene	ug/L	0.50U	20	19.6	98	70-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	18.8	94	68-126	
trans-1,3-Dichloropropene	ug/L	0.25U	20	16.8	84	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	14.4	72	46-138	
Trichloroethene	ug/L	0.50U	20	18.5	92	69-129	
Trichlorofluoromethane	ug/L	0.50U	20	23.2	116	60-144	
Vinyl acetate	ug/L	1.0U	20	11.5	57	70-130	M1
Vinyl chloride	ug/L	0.50U	20	21.0	105	67-136	
Xylene (Total)	ug/L	1.5U	60	59.4	99	70-130	
1,2-Dichloroethane-d4 (S)	%				102	75-135	
4-Bromofluorobenzene (S)	%				96	89-111	
Toluene-d8 (S)	%				99	89-112	

SAMPLE DUPLICATE: 1777458

Parameter	Units	35275984002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.59U	0.59U		40	
1,2-Dichlorobenzene	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane	ug/L	0.50U	0.50U		40	
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,4-Dichlorobenzene	ug/L	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	0.10U	0.10U		40	
Bromochloromethane	ug/L	0.50U	0.50U		40	
Bromodichloromethane	ug/L	0.27U	0.27U		40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275407

SAMPLE DUPLICATE: 1777458

Parameter	Units	35275984002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50U	0.50U		40	
Bromomethane	ug/L	0.50U	0.50U		40	
Carbon disulfide	ug/L	5.0U	5.0U		40	
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	0.50U	0.50U		40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	
Chloromethane	ug/L	0.62U	0.62U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.50U	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	1.5U	1.5U		40	
1,2-Dichloroethane-d4 (S)	%	100	101	1	40	
4-Bromofluorobenzene (S)	%	93	94	1	40	
Toluene-d8 (S)	%	100	100	0	40	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275407

QC Batch: 331756 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 35275407002, 35275407003, 35275407004

METHOD BLANK: 1774521 | Matrix: Water
Associated Lab Samples: 35275407002, 35275407003, 35275407004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	11/11/16 13:04	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	11/11/16 13:04	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	11/11/16 13:04	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	11/11/16 13:04	
1,1-Dichloroethane	ug/L	0.50U	1.0	11/11/16 13:04	
1,1-Dichloroethene	ug/L	0.50U	1.0	11/11/16 13:04	
1,2,3-Trichloropropane	ug/L	0.59U	1.0	11/11/16 13:04	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	11/11/16 13:04	
1,2-Dichloroethane	ug/L	0.50U	1.0	11/11/16 13:04	
1,2-Dichloropropane	ug/L	0.50U	1.0	11/11/16 13:04	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	11/11/16 13:04	
2-Butanone (MEK)	ug/L	5.0U	10.0	11/11/16 13:04	
2-Hexanone	ug/L	5.0U	10.0	11/11/16 13:04	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	11/11/16 13:04	
Acetone	ug/L	10.0U	20.0	11/11/16 13:04	
Acrylonitrile	ug/L	5.0U	10.0	11/11/16 13:04	
Benzene	ug/L	0.10U	1.0	11/11/16 13:04	
Bromochloromethane	ug/L	0.50U	1.0	11/11/16 13:04	
Bromodichloromethane	ug/L	0.27U	0.60	11/11/16 13:04	
Bromoform	ug/L	0.50U	1.0	11/11/16 13:04	
Bromomethane	ug/L	0.50U	5.0	11/11/16 13:04	
Carbon disulfide	ug/L	5.0U	10.0	11/11/16 13:04	
Carbon tetrachloride	ug/L	0.50U	1.0	11/11/16 13:04	
Chlorobenzene	ug/L	0.50U	1.0	11/11/16 13:04	
Chloroethane	ug/L	0.50U	10.0	11/11/16 13:04	
Chloroform	ug/L	0.50U	1.0	11/11/16 13:04	
Chloromethane	ug/L	0.62U	1.0	11/11/16 13:04	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	11/11/16 13:04	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	11/11/16 13:04	
Dibromochloromethane	ug/L	0.26U	0.50	11/11/16 13:04	
Dibromomethane	ug/L	0.50U	1.0	11/11/16 13:04	
Ethylbenzene	ug/L	0.50U	1.0	11/11/16 13:04	
Iodomethane	ug/L	0.50U	10.0	11/11/16 13:04	
Methylene Chloride	ug/L	2.5U	5.0	11/11/16 13:04	
Styrene	ug/L	0.50U	1.0	11/11/16 13:04	
Tetrachloroethene	ug/L	0.50U	1.0	11/11/16 13:04	
Toluene	ug/L	0.50U	1.0	11/11/16 13:04	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	11/11/16 13:04	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	11/11/16 13:04	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	11/11/16 13:04	
Trichloroethene	ug/L	0.50U	1.0	11/11/16 13:04	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275407

METHOD BLANK: 1774521 Matrix: Water
Associated Lab Samples: 35275407002, 35275407003, 35275407004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50U	1.0	11/11/16 13:04	
Vinyl acetate	ug/L	1.0U	2.0	11/11/16 13:04	
Vinyl chloride	ug/L	0.50U	1.0	11/11/16 13:04	
Xylene (Total)	ug/L	1.5U	3.0	11/11/16 13:04	
1,2-Dichloroethane-d4 (S)	%	99	75-135	11/11/16 13:04	
4-Bromofluorobenzene (S)	%	104	89-111	11/11/16 13:04	
Toluene-d8 (S)	%	106	89-112	11/11/16 13:04	

LABORATORY CONTROL SAMPLE: 1774522

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.3	107	70-130	
1,1,1-Trichloroethane	ug/L	20	17.8	89	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.6	98	70-130	
1,1,2-Trichloroethane	ug/L	20	20.8	104	70-130	
1,1-Dichloroethane	ug/L	20	18.1	90	70-130	
1,1-Dichloroethene	ug/L	20	18.8	94	65-134	
1,2,3-Trichloropropane	ug/L	20	20.3	101	65-135	
1,2-Dichlorobenzene	ug/L	20	23.1	115	70-130	
1,2-Dichloroethane	ug/L	20	18.8	94	70-130	
1,2-Dichloropropane	ug/L	20	17.2	86	70-130	
1,4-Dichlorobenzene	ug/L	20	21.7	108	70-130	
2-Butanone (MEK)	ug/L	40	30.1	75	61-129	
2-Hexanone	ug/L	40	38.1	95	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	35.5	89	70-130	
Acetone	ug/L	40	30.3	76	44-155	
Acrylonitrile	ug/L	200	183	91	59-138	
Benzene	ug/L	20	18.5	92	70-130	
Bromochloromethane	ug/L	20	19.4	97	70-130	
Bromodichloromethane	ug/L	20	20.2	101	70-130	
Bromoform	ug/L	20	19.5	97	62-129	
Bromomethane	ug/L	20	17.5	88	10-179	
Carbon disulfide	ug/L	20	20.1	101	40-156	
Carbon tetrachloride	ug/L	20	19.6	98	66-127	
Chlorobenzene	ug/L	20	21.9	110	70-130	
Chloroethane	ug/L	20	21.9	110	57-142	
Chloroform	ug/L	20	18.5	93	70-130	
Chloromethane	ug/L	20	18.8	94	45-150	
cis-1,2-Dichloroethene	ug/L	20	18.4	92	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.9	94	70-130	
Dibromochloromethane	ug/L	20	19.5	98	70-130	
Dibromomethane	ug/L	20	18.2	91	70-130	
Ethylbenzene	ug/L	20	20.7	103	70-130	
Iodomethane	ug/L	40	42.8	107	21-150	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275407

LABORATORY CONTROL SAMPLE: 1774522

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	17.8	89	65-127	
Styrene	ug/L	20	21.7	108	70-130	
Tetrachloroethene	ug/L	20	23.5	118	48-155	
Toluene	ug/L	20	20.0	100	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.5	97	68-126	
trans-1,3-Dichloropropene	ug/L	20	18.8	94	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	18.2	91	46-138	
Trichloroethene	ug/L	20	20.6	103	69-129	
Trichlorofluoromethane	ug/L	20	23.2	116	60-144	
Vinyl acetate	ug/L	20	17.9	89	70-130	
Vinyl chloride	ug/L	20	20.1	101	67-136	
Xylene (Total)	ug/L	60	62.5	104	70-130	
1,2-Dichloroethane-d4 (S)	%			94	75-135	
4-Bromofluorobenzene (S)	%			103	89-111	
Toluene-d8 (S)	%			101	89-112	

MATRIX SPIKE SAMPLE: 1774676

Parameter	Units	35275319002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	20	19.8	99	70-130	
1,1,1-Trichloroethane	ug/L	<0.50	20	17.1	86	70-130	
1,1,2,2-Tetrachloroethane	ug/L	<0.12	20	17.1	85	70-130	
1,1,2-Trichloroethane	ug/L	<0.50	20	18.6	93	70-130	
1,1-Dichloroethane	ug/L	<0.50	20	17.2	86	70-130	
1,1-Dichloroethene	ug/L	<0.50	20	19.6	98	65-134	
1,2,3-Trichloropropane	ug/L	<0.59	20	19.3	96	65-135	
1,2-Dichlorobenzene	ug/L	<0.50	20	21.0	105	70-130	
1,2-Dichloroethane	ug/L	<0.50	20	16.3	81	70-130	
1,2-Dichloropropane	ug/L	<0.50	20	16.3	82	70-130	
1,4-Dichlorobenzene	ug/L	<0.50	20	19.4	97	70-130	
2-Butanone (MEK)	ug/L	<5.0	40	25.4	64	61-129	
2-Hexanone	ug/L	<5.0	40	34.3	86	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	40	31.7	79	70-130	
Acetone	ug/L	<10.0	40	23.4	58	44-155	
Acrylonitrile	ug/L	<5.0	200	158	79	59-138	
Benzene	ug/L	<0.10	20	16.8	84	70-130	
Bromochloromethane	ug/L	<0.50	20	17.6	88	70-130	
Bromodichloromethane	ug/L	<0.27	20	17.6	88	70-130	
Bromoform	ug/L	<0.50	20	17.8	89	62-129	
Bromomethane	ug/L	<0.50	20	14.9	74	10-179	
Carbon disulfide	ug/L	<5.0	20	22.9	114	40-156	
Carbon tetrachloride	ug/L	<0.50	20	18.6	93	66-127	
Chlorobenzene	ug/L	<0.50	20	21.1	106	70-130	
Chloroethane	ug/L	<0.50	20	18.9	95	57-142	
Chloroform	ug/L	<0.50	20	17.1	86	70-130	

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

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275407

MATRIX SPIKE SAMPLE: 1774676

Parameter	Units	35275319002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	<0.62	20	9.2	46	45-150	
cis-1,2-Dichloroethene	ug/L	<0.50	20	16.8	84	70-130	
cis-1,3-Dichloropropene	ug/L	<0.25	20	16.3	82	70-130	
Dibromochloromethane	ug/L	<0.26	20	18.0	90	70-130	
Dibromomethane	ug/L	<0.50	20	17.6	88	70-130	
Ethylbenzene	ug/L	<0.50	20	19.4	97	70-130	
Iodomethane	ug/L	<0.50	40	31.6	79	21-150	
Methylene Chloride	ug/L	<2.5	20	15.8	79	65-127	
Styrene	ug/L	<0.50	20	21.0	105	70-130	
Tetrachloroethene	ug/L	<0.50	20	16.8	84	48-155	
Toluene	ug/L	<0.50	20	18.9	94	70-130	
trans-1,2-Dichloroethene	ug/L	<0.50	20	18.8	94	68-126	
trans-1,3-Dichloropropene	ug/L	<0.25	20	16.5	83	70-130	
trans-1,4-Dichloro-2-butene	ug/L	<5.0	20	13.2	66	46-138	
Trichloroethene	ug/L	<0.50	20	19.4	97	69-129	
Trichlorofluoromethane	ug/L	<0.50	20	23.3	117	60-144	
Vinyl acetate	ug/L	<1.0	20	16.1	81	70-130	
Vinyl chloride	ug/L	<0.50	20	14.7	74	67-136	
Xylene (Total)	ug/L	<1.5	60	57.5	96	70-130	
1,2-Dichloroethane-d4 (S)	%				94	75-135	
4-Bromofluorobenzene (S)	%				108	89-111	
Toluene-d8 (S)	%				101	89-112	

SAMPLE DUPLICATE: 1774675

Parameter	Units	35275319001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50U		40	
1,1,1-Trichloroethane	ug/L	<0.50	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	<0.12	0.12U		40	
1,1,2-Trichloroethane	ug/L	<0.50	0.50U		40	
1,1-Dichloroethane	ug/L	<0.50	0.50U		40	
1,1-Dichloroethene	ug/L	<0.50	0.50U		40	
1,2,3-Trichloropropane	ug/L	<0.59	0.59U		40	
1,2-Dichlorobenzene	ug/L	<0.50	0.50U		40	
1,2-Dichloroethane	ug/L	<0.50	0.50U		40	
1,2-Dichloropropane	ug/L	<0.50	0.50U		40	
1,4-Dichlorobenzene	ug/L	<0.50	0.50U		40	
2-Butanone (MEK)	ug/L	<5.0	5.0U		40	
2-Hexanone	ug/L	<5.0	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0U		40	
Acetone	ug/L	<10.0	10.0U		40	
Acrylonitrile	ug/L	<5.0	5.0U		40	
Benzene	ug/L	<0.10	0.10U		40	
Bromochloromethane	ug/L	<0.50	0.50U		40	
Bromodichloromethane	ug/L	<0.27	0.27U		40	

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275407

SAMPLE DUPLICATE: 1774675

Parameter	Units	35275319001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	<0.50	0.50U		40	
Bromomethane	ug/L	<0.50	0.50U		40	
Carbon disulfide	ug/L	<5.0	5.0U		40	
Carbon tetrachloride	ug/L	<0.50	0.50U		40	
Chlorobenzene	ug/L	<0.50	0.50U		40	
Chloroethane	ug/L	<0.50	0.50U		40	
Chloroform	ug/L	<0.50	0.50U		40	
Chloromethane	ug/L	<0.62	0.62U		40	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50U		40	
cis-1,3-Dichloropropene	ug/L	<0.25	0.25U		40	
Dibromochloromethane	ug/L	<0.26	0.26U		40	
Dibromomethane	ug/L	<0.50	0.50U		40	
Ethylbenzene	ug/L	<0.50	0.50U		40	
Iodomethane	ug/L	<0.50	0.50U		40	
Methylene Chloride	ug/L	<2.5	2.5U		40	
Styrene	ug/L	<0.50	0.50U		40	
Tetrachloroethene	ug/L	<0.50	0.50U		40	
Toluene	ug/L	<0.50	0.50U		40	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50U		40	
trans-1,3-Dichloropropene	ug/L	<0.25	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	<5.0	5.0U		40	
Trichloroethene	ug/L	<0.50	0.50U		40	
Trichlorofluoromethane	ug/L	<0.50	0.50U		40	
Vinyl acetate	ug/L	<1.0	1.0U		40	
Vinyl chloride	ug/L	<0.50	0.50U		40	
Xylene (Total)	ug/L	<1.5	1.5U		40	
1,2-Dichloroethane-d4 (S)	%	99	101	2	40	
4-Bromofluorobenzene (S)	%	104	103	1	40	
Toluene-d8 (S)	%	106	107	1	40	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275407

QC Batch: 331578 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35275407001, 35275407002

METHOD BLANK: 1773556 | Matrix: Water
Associated Lab Samples: 35275407001, 35275407002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	11/12/16 04:07	
1,2-Dibromoethane (EDB)	ug/L	0.0075U	0.010	11/12/16 04:07	

LABORATORY CONTROL SAMPLE: 1773557

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.25	99	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.24	95	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1773848 1773849

Parameter	Units	35275407001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0047U	.44	.44	0.57	0.57	130	131	60-140	1	40	
1,2-Dibromoethane (EDB)	ug/L	0.0072U	.44	.44	0.55	0.55	126	127	60-140	1	40	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Resource Recovery GWM
Pace Project No.: 35275407

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 adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

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.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery GWM
Pace Project No.: 35275407

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35275407001	**4MW-6**	EPA 8011	331578	EPA 8011	331687
35275407002	**4MW-4**	EPA 8011	331578	EPA 8011	331687
35275407001	**4MW-6**	EPA 3010	331931	EPA 6010	331957
35275407002	**4MW-4**	EPA 3010	331931	EPA 6010	331957
35275407001	**4MW-6**	EPA 3010	331932	EPA 6020	331953
35275407002	**4MW-4**	EPA 3010	331932	EPA 6020	331953
35275407001	**4MW-6**	EPA 7470	332464	EPA 7470	332574
35275407002	**4MW-4**	EPA 7470	332464	EPA 7470	332574
35275407001	**4MW-6**	EPA 8260	331518		
35275407002	**4MW-4**	EPA 8260	331756		
35275407003	**4MW-6 Trip Blank**	EPA 8260	331756		
35275407004	**4MW-4 Trip Blank**	EPA 8260	331756		

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SOUTHERN ANALYTICAL LABORATORIES, I

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-85

WO# : 35275407

35275407

SAL Project No. _____

Client Name: Pasco Co Environmental Lab

727-847-8902

Project Name / Location: Resource Recovery GWM

Samplers: (Signature) Marian Berend

Matrix Codes:
DW-Drinking Water WW-Wastewater
SW-SurfaceWater SL-Sludge SO-Soil
GW-Groundwater SA-Saline Water O-Other
R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	Metals Fe, Hg, Na 125ml P, HNO3	Apperaly I 250ml P, HNO3	App. I 40ml V, Cool	App I 40ml V, HCl	Trip Blank 40ml V				No. of Containers (Total per each location)
	4MW-6	11/1/16	1605	GW		✓	1	1	3	3	1				9
	4MW-4	11/1/16	1126	GW		✓	1	1	3	3	1				9

Sent to S.A.L. 11/2/16

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
Marian Berend	11/1/16 1720	WW	11/01/16 1720
Relinquished:	Date/Time:	Received:	Date/Time:
	11/2/16		11/2/16 1:05
Relinquished:	Date/Time:	Received:	Date/Time:
	11/2/16 2:20	Chelsea Hopkins Pace	11/2/16 1424
Relinquished:	Date/Time:	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:

Seal intact? Y N N/A
Samples intact upon arrival? Y N N/A
Received on ice? Temp_____ Y N N/A
Proper preservatives indicated? Y N N/A
Rec'd within holding time? Y N N/A
Volatiles rec'd w/out headspace? Y N N/A
Proper containers used? Y N N/A

Instructions / Remarks

Chain of Custody.xls
Rev.Date 11/16/01

Chain of Custody

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form Document No.: F-FL-C-007 rev. 10	Document Revised: August 10, 2016 Issuing Authority: Pace Florida Quality Office

Sampl[illegible] Receipt Form (SCUR)

WO#: 35275407

Project #
Project Manager: PM: KN1 **Due Date:** 11/16/16
Client: CLIENT: PASCOU

Date and Initials of person:
Examining contents: KTH
Label: 11-8-16 KTH
Deliver: KTH
pH: KTH

Thermometer Used: T140 Date: 11-5-16 Time: 2:30 Initials: CLG

Samples shorted to lab (If Yes, complete) Shorted Date:_____ Shorted Time:_____ Qty:_____

Cooler #1 Temp.°C 3.6 **(Visual)** — **(Correction Factor)** 3.6 **(Actual)** ☑ Samples on ice, cooling process has begun
Cooler #2 Temp.°C_____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C_____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C_____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C_____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C_____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐ Samples on ice, cooling process has begun

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other_____
Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ Other_____
Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Unknown
Tracking # _____

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals intact:** ☐ Yes ☐ No **Ice:** (Wet) Blue None
Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other_____

		Comments:
Chain of Custody Present	☑ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☑ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☑ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☑ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☑ No ☐ N/A	
Sufficient Volume	☑ Yes ☐ No ☐ N/A	
Correct Containers Used	☑ Yes ☐ No ☐ N/A	
Containers Intact	☑ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☑ Yes ☐ No ☐ N/A	Preservation Information: Preservative:_____ Lot #/Trace #:_____ Date:_____ Time:_____ Initials:_____
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☑ Yes ☐ No ☐ N/A	
Headspace in VOA Vials? (>6mm):	☐ Yes ☑ No ☐ N/A	
Trip Blank Present:	☑ Yes ☐ No ☐ N/A	

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

Comments/ Resolution (use back for additional comments): _____

Project Manager Review: _____ Date: _____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

November 21, 2016

Ms. Candia E. Mulhern
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

RE: Project: Resource Recovery GWM
Pace Project No.: 35275425

Dear Ms. Mulhern:
Enclosed are the analytical results for sample(s) received by the laboratory on November 04, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Bo Garcia for
Kathryn Nordmark
kathryn.nordmark@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project:	Resource Recovery GWM
Pace Project No.:	35275425

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: Resource Recovery GWM
Pace Project No.: 35275425

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35275425001	**2MWS17**	Water	11/02/16 10:25	11/04/16 11:00
35275425002	**2MW19D**	Water	11/02/16 12:15	11/04/16 11:00
35275425003	**2MW18D**	Water	11/02/16 13:33	11/04/16 11:00
35275425004	**4MW8**	Water	11/02/16 13:33	11/04/16 11:00
35275425005	**2MWS17 BLANK**	Water	11/02/16 10:25	11/04/16 11:00
35275425006	**2MW19D**	Water	11/02/16 12:15	11/04/16 11:00
35275425007	**2MW18D**	Water	11/02/16 13:33	11/04/16 11:00
35275425008	**4MW8**	Water	11/02/16 15:56	11/04/16 11:00

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SAMPLE ANALYTE COUNT

Project: Resource Recovery GWM
Pace Project No.: 35275425

Lab ID	Sample ID	Method	Analysts	Analytes Reported
35275425001	**2MWS17**	EPA 8011	SMH	2
		EPA 6010	CKJ	15
		EPA 6020	KMW	2
		EPA 7470	RVK	1
		EPA 8260	SK1	48
35275425002	**2MW19D**	EPA 8011	SMH	2
		EPA 6010	CKJ	15
		EPA 6020	KMW	2
		EPA 7470	RVK	1
		EPA 8260	SK1	48
35275425003	**2MW18D**	EPA 8011	SMH	2
		EPA 6010	CKJ	15
		EPA 6020	KMW	2
		EPA 7470	RVK	1
		EPA 8260	SK1	48
35275425004	**4MW8**	EPA 8011	SMH	2
		EPA 6010	CKJ	15
		EPA 6020	KMW	2
		EPA 7470	RVK	1
		EPA 8260	SK1	48
35275425005	**2MWS17 BLANK**	EPA 8260	SK1	48
35275425006	**2MW19D**	EPA 8260	SK1	48
35275425007	**2MW18D**	EPA 8260	SK1	48
35275425008	**4MW8**	EPA 8260	SK1	48

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275425

Sample: 2MWS17 **Lab ID: 35275425001** Collected: 11/02/16 10:25 Received: 11/04/16 11:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0047U**	ug/L	0.019	1	11/14/16 14:35	11/15/16 05:24	96-12-8	
1,2-Dibromoethane (EDB)	**0.0071U**	ug/L	0.0095	1	11/14/16 14:35	11/15/16 05:24	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 12:42	7440-38-2	
Barium	**15.8**	ug/L	10.0	1	11/17/16 18:25	11/21/16 12:42	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/21/16 12:42	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/21/16 12:42	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 12:42	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 12:42	7440-48-4	
Copper	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 12:42	7440-50-8	
Iron	**20.0U**	ug/L	40.0	1	11/17/16 18:25	11/21/16 12:42	7439-89-6	
Lead	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 12:42	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 12:42	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	1	11/17/16 18:25	11/21/16 12:42	7782-49-2	
Silver	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 12:42	7440-22-4	
Sodium	**7.9**	mg/L	1.0	1	11/17/16 18:25	11/21/16 12:42	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 12:42	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	1	11/17/16 18:25	11/21/16 12:42	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/18/16 11:51	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/18/16 11:51	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	1	11/17/16 08:48	11/17/16 16:26	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/15/16 08:44	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/15/16 08:44	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/15/16 08:44	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/15/16 08:44	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/15/16 08:44	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/15/16 08:44	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/15/16 08:44	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/15/16 08:44	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/15/16 08:44	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/15/16 08:44	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 08:44	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/15/16 08:44	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/15/16 08:44	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/15/16 08:44	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/15/16 08:44	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/15/16 08:44	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 08:44	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 08:44	106-46-7	

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8 East Tower Circle
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(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275425

Sample: 2MWS17 **Lab ID: 35275425001** Collected: 11/02/16 10:25 Received: 11/04/16 11:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/15/16 08:44	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 08:44	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 08:44	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 08:44	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 08:44	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 08:44	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/15/16 08:44	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/15/16 08:44	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/15/16 08:44	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/15/16 08:44	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/15/16 08:44	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/15/16 08:44	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/15/16 08:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/15/16 08:44	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/15/16 08:44	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/15/16 08:44	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/15/16 08:44	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/15/16 08:44	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/15/16 08:44	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 08:44	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 08:44	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 08:44	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/15/16 08:44	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/15/16 08:44	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/15/16 08:44	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/15/16 08:44	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/15/16 08:44	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	89	%	89-111	1		11/15/16 08:44	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	75-135	1		11/15/16 08:44	17060-07-0	
Toluene-d8 (S)	99	%	89-112	1		11/15/16 08:44	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275425

Sample: 2MW19D **Lab ID: 35275425002** Collected: 11/02/16 12:15 Received: 11/04/16 11:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0046U**	ug/L	0.019	1	11/14/16 14:35	11/15/16 05:39	96-12-8	
1,2-Dibromoethane (EDB)	**0.0070U**	ug/L	0.0094	1	11/14/16 14:35	11/15/16 05:39	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 12:46	7440-38-2	
Barium	**9.8J**	ug/L	10.0	1	11/17/16 18:25	11/21/16 12:46	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/21/16 12:46	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/21/16 12:46	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 12:46	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 12:46	7440-48-4	
Copper	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 12:46	7440-50-8	
Iron	**20.0U**	ug/L	40.0	1	11/17/16 18:25	11/21/16 12:46	7439-89-6	
Lead	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 12:46	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 12:46	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	1	11/17/16 18:25	11/21/16 12:46	7782-49-2	
Silver	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 12:46	7440-22-4	
Sodium	**8.2**	mg/L	1.0	1	11/17/16 18:25	11/21/16 12:46	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 12:46	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	1	11/17/16 18:25	11/21/16 12:46	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/18/16 11:54	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/18/16 11:54	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	1	11/17/16 08:48	11/17/16 16:37	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/15/16 09:10	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/15/16 09:10	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/15/16 09:10	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/15/16 09:10	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/15/16 09:10	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/15/16 09:10	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/15/16 09:10	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/15/16 09:10	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/15/16 09:10	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/15/16 09:10	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 09:10	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/15/16 09:10	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/15/16 09:10	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/15/16 09:10	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/15/16 09:10	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/15/16 09:10	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 09:10	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 09:10	106-46-7	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275425

Sample: 2MW19D **Lab ID: 35275425002** Collected: 11/02/16 12:15 Received: 11/04/16 11:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/15/16 09:10	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 09:10	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 09:10	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 09:10	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 09:10	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 09:10	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/15/16 09:10	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/15/16 09:10	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/15/16 09:10	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/15/16 09:10	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/15/16 09:10	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/15/16 09:10	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/15/16 09:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/15/16 09:10	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/15/16 09:10	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/15/16 09:10	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/15/16 09:10	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/15/16 09:10	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/15/16 09:10	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 09:10	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 09:10	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 09:10	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/15/16 09:10	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/15/16 09:10	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/15/16 09:10	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/15/16 09:10	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/15/16 09:10	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	90	%	89-111	1		11/15/16 09:10	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	75-135	1		11/15/16 09:10	17060-07-0	
Toluene-d8 (S)	101	%	89-112	1		11/15/16 09:10	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275425

Sample: 2MW18D **Lab ID: 35275425003** Collected: 11/02/16 13:33 Received: 11/04/16 11:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0047U**	ug/L	0.019	1	11/14/16 14:35	11/15/16 06:40	96-12-8	
1,2-Dibromoethane (EDB)	**0.0072U**	ug/L	0.0096	1	11/14/16 14:35	11/15/16 06:40	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 12:50	7440-38-2	
Barium	**10.3**	ug/L	10.0	1	11/17/16 18:25	11/21/16 12:50	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/21/16 12:50	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/21/16 12:50	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 12:50	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 12:50	7440-48-4	
Copper	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 12:50	7440-50-8	
Iron	**20.0U**	ug/L	40.0	1	11/17/16 18:25	11/21/16 12:50	7439-89-6	
Lead	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 12:50	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 12:50	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	1	11/17/16 18:25	11/21/16 12:50	7782-49-2	
Silver	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 12:50	7440-22-4	
Sodium	**12.2**	mg/L	1.0	1	11/17/16 18:25	11/21/16 12:50	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 12:50	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	1	11/17/16 18:25	11/21/16 12:50	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/18/16 12:02	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/18/16 12:02	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	1	11/17/16 08:48	11/17/16 16:41	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/15/16 09:36	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/15/16 09:36	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/15/16 09:36	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/15/16 09:36	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/15/16 09:36	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/15/16 09:36	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/15/16 09:36	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/15/16 09:36	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/15/16 09:36	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/15/16 09:36	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 09:36	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/15/16 09:36	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/15/16 09:36	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/15/16 09:36	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/15/16 09:36	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/15/16 09:36	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 09:36	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 09:36	106-46-7	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275425

Sample: 2MW18D **Lab ID: 35275425003** Collected: 11/02/16 13:33 Received: 11/04/16 11:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/15/16 09:36	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 09:36	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 09:36	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 09:36	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 09:36	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 09:36	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/15/16 09:36	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/15/16 09:36	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/15/16 09:36	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/15/16 09:36	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/15/16 09:36	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/15/16 09:36	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/15/16 09:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/15/16 09:36	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/15/16 09:36	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/15/16 09:36	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/15/16 09:36	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/15/16 09:36	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/15/16 09:36	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 09:36	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 09:36	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 09:36	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/15/16 09:36	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/15/16 09:36	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/15/16 09:36	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/15/16 09:36	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/15/16 09:36	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	90	%	89-111	1		11/15/16 09:36	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	75-135	1		11/15/16 09:36	17060-07-0	
Toluene-d8 (S)	101	%	89-112	1		11/15/16 09:36	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275425

Sample: 4MW8 **Lab ID: 35275425004** Collected: 11/02/16 13:33 Received: 11/04/16 11:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0048U**	ug/L	0.019	1	11/14/16 14:35	11/15/16 06:56	96-12-8	
1,2-Dibromoethane (EDB)	**0.0073U**	ug/L	0.0097	1	11/14/16 14:35	11/15/16 06:56	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:02	7440-38-2	
Barium	**7.9J**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:02	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/21/16 13:02	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/21/16 13:02	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 13:02	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:02	7440-48-4	
Copper	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 13:02	7440-50-8	
Iron	**20.0U**	ug/L	40.0	1	11/17/16 18:25	11/21/16 13:02	7439-89-6	
Lead	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:02	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 13:02	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	1	11/17/16 18:25	11/21/16 13:02	7782-49-2	
Silver	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 13:02	7440-22-4	
Sodium	**4.4**	mg/L	1.0	1	11/17/16 18:25	11/21/16 13:02	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:02	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	1	11/17/16 18:25	11/21/16 13:02	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/18/16 12:05	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/18/16 12:05	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	1	11/17/16 08:48	11/17/16 16:44	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/15/16 10:02	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/15/16 10:02	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/15/16 10:02	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/15/16 10:02	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/15/16 10:02	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/15/16 10:02	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/15/16 10:02	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/15/16 10:02	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/15/16 10:02	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/15/16 10:02	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 10:02	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/15/16 10:02	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/15/16 10:02	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/15/16 10:02	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/15/16 10:02	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/15/16 10:02	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 10:02	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 10:02	106-46-7	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275425

Sample: 4MW8 **Lab ID: 35275425004** Collected: 11/02/16 13:33 Received: 11/04/16 11:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/15/16 10:02	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 10:02	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 10:02	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 10:02	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 10:02	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 10:02	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/15/16 10:02	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/15/16 10:02	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/15/16 10:02	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/15/16 10:02	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/15/16 10:02	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/15/16 10:02	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/15/16 10:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/15/16 10:02	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/15/16 10:02	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/15/16 10:02	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/15/16 10:02	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/15/16 10:02	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/15/16 10:02	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 10:02	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 10:02	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 10:02	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/15/16 10:02	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/15/16 10:02	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/15/16 10:02	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/15/16 10:02	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/15/16 10:02	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	90	%	89-111	1		11/15/16 10:02	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	75-135	1		11/15/16 10:02	17060-07-0	
Toluene-d8 (S)	99	%	89-112	1		11/15/16 10:02	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275425

Sample: 2MWS17 BLANK **Lab ID: 35275425005** Collected: 11/02/16 10:25 Received: 11/04/16 11:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/15/16 10:28	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/15/16 10:28	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/15/16 10:28	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/15/16 10:28	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/15/16 10:28	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/15/16 10:28	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/15/16 10:28	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/15/16 10:28	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/15/16 10:28	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/15/16 10:28	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 10:28	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/15/16 10:28	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/15/16 10:28	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/15/16 10:28	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/15/16 10:28	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/15/16 10:28	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 10:28	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 10:28	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/15/16 10:28	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 10:28	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 10:28	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 10:28	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 10:28	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 10:28	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/15/16 10:28	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/15/16 10:28	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/15/16 10:28	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/15/16 10:28	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/15/16 10:28	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/15/16 10:28	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/15/16 10:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/15/16 10:28	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/15/16 10:28	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/15/16 10:28	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/15/16 10:28	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/15/16 10:28	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/15/16 10:28	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 10:28	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 10:28	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 10:28	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/15/16 10:28	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/15/16 10:28	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/15/16 10:28	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/15/16 10:28	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/15/16 10:28	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	90	%	89-111	1		11/15/16 10:28	460-00-4	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275425

Sample: 2MWS17 BLANK **Lab ID: 35275425005** Collected: 11/02/16 10:25 Received: 11/04/16 11:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	75-135	1		11/15/16 10:28	17060-07-0	
Toluene-d8 (S)	101	%	89-112	1		11/15/16 10:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275425

Sample: 2MW19D **Lab ID: 35275425006** Collected: 11/02/16 12:15 Received: 11/04/16 11:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/15/16 10:55	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/15/16 10:55	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/15/16 10:55	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/15/16 10:55	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/15/16 10:55	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/15/16 10:55	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/15/16 10:55	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/15/16 10:55	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/15/16 10:55	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/15/16 10:55	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 10:55	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/15/16 10:55	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/15/16 10:55	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/15/16 10:55	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/15/16 10:55	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/15/16 10:55	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 10:55	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 10:55	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/15/16 10:55	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 10:55	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 10:55	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 10:55	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 10:55	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 10:55	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/15/16 10:55	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/15/16 10:55	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/15/16 10:55	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/15/16 10:55	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/15/16 10:55	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/15/16 10:55	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/15/16 10:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/15/16 10:55	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/15/16 10:55	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/15/16 10:55	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/15/16 10:55	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/15/16 10:55	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/15/16 10:55	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 10:55	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 10:55	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 10:55	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/15/16 10:55	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/15/16 10:55	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/15/16 10:55	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/15/16 10:55	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/15/16 10:55	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	91	%	89-111	1		11/15/16 10:55	460-00-4	

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
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(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275425

Sample: 2MW19D **Lab ID: 35275425006** Collected: 11/02/16 12:15 Received: 11/04/16 11:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	75-135	1		11/15/16 10:55	17060-07-0	
Toluene-d8 (S)	99	%	89-112	1		11/15/16 10:55	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275425

Sample: 2MW18D **Lab ID: 35275425007** Collected: 11/02/16 13:33 Received: 11/04/16 11:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/15/16 11:21	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/15/16 11:21	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/15/16 11:21	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/15/16 11:21	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/15/16 11:21	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/15/16 11:21	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/15/16 11:21	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/15/16 11:21	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/15/16 11:21	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/15/16 11:21	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 11:21	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/15/16 11:21	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/15/16 11:21	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/15/16 11:21	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/15/16 11:21	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/15/16 11:21	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 11:21	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 11:21	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/15/16 11:21	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 11:21	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 11:21	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 11:21	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 11:21	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 11:21	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/15/16 11:21	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/15/16 11:21	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/15/16 11:21	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/15/16 11:21	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/15/16 11:21	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/15/16 11:21	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/15/16 11:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/15/16 11:21	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/15/16 11:21	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/15/16 11:21	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/15/16 11:21	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/15/16 11:21	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/15/16 11:21	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 11:21	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 11:21	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 11:21	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/15/16 11:21	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/15/16 11:21	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/15/16 11:21	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/15/16 11:21	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/15/16 11:21	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	91	%	89-111	1		11/15/16 11:21	460-00-4	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275425

Sample: 2MW18D **Lab ID: 35275425007** Collected: 11/02/16 13:33 Received: 11/04/16 11:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	75-135	1		11/15/16 11:21	17060-07-0	
Toluene-d8 (S)	101	%	89-112	1		11/15/16 11:21	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275425

Sample: 4MW8 **Lab ID: 35275425008** Collected: 11/02/16 15:56 Received: 11/04/16 11:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/15/16 11:45	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/15/16 11:45	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/15/16 11:45	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/15/16 11:45	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/15/16 11:45	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/15/16 11:45	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/15/16 11:45	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/15/16 11:45	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/15/16 11:45	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/15/16 11:45	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 11:45	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/15/16 11:45	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/15/16 11:45	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/15/16 11:45	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/15/16 11:45	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/15/16 11:45	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 11:45	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/15/16 11:45	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/15/16 11:45	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 11:45	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 11:45	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 11:45	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 11:45	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 11:45	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/15/16 11:45	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/15/16 11:45	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/15/16 11:45	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/15/16 11:45	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/15/16 11:45	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/15/16 11:45	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/15/16 11:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/15/16 11:45	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/15/16 11:45	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/15/16 11:45	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/15/16 11:45	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/15/16 11:45	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/15/16 11:45	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 11:45	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/15/16 11:45	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/15/16 11:45	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/15/16 11:45	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/15/16 11:45	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/15/16 11:45	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/15/16 11:45	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/15/16 11:45	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	92	%	89-111	1		11/15/16 11:45	460-00-4	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM
Pace Project No.: 35275425

Sample: 4MW8 **Lab ID: 35275425008** Collected: 11/02/16 15:56 Received: 11/04/16 11:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%	75-135	1		11/15/16 11:45	17060-07-0	
Toluene-d8 (S)	100	%	89-112	1		11/15/16 11:45	2037-26-5	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275425

QC Batch: 333017 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Associated Lab Samples: 35275425001, 35275425002, 35275425003, 35275425004

METHOD BLANK: 1782630 | Matrix: Water
Associated Lab Samples: 35275425001, 35275425002, 35275425003, 35275425004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	11/17/16 16:22	

LABORATORY CONTROL SAMPLE: 1782631

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1782632 1782633

Parameter	Units	35275425001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10U	2	2	2.0	2.0	98	96	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: Resource Recovery GWM
Pace Project No.: 35275425

QC Batch: 333115 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 35275425001, 35275425002, 35275425003, 35275425004

METHOD BLANK: 1783183 | Matrix: Water
Associated Lab Samples: 35275425001, 35275425002, 35275425003, 35275425004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	11/21/16 12:30	
Barium	ug/L	5.0U	10.0	11/21/16 12:30	
Beryllium	ug/L	0.50U	1.0	11/21/16 12:30	
Cadmium	ug/L	0.50U	1.0	11/21/16 12:30	
Chromium	ug/L	2.5U	5.0	11/21/16 12:30	
Cobalt	ug/L	5.0U	10.0	11/21/16 12:30	
Copper	ug/L	2.5U	5.0	11/21/16 12:30	
Iron	ug/L	20.0U	40.0	11/21/16 12:30	
Lead	ug/L	5.0U	10.0	11/21/16 12:30	
Nickel	ug/L	2.5U	5.0	11/21/16 12:30	
Selenium	ug/L	7.5U	15.0	11/21/16 12:30	
Silver	ug/L	2.5U	5.0	11/21/16 12:30	
Sodium	mg/L	0.50U	1.0	11/21/16 12:30	
Vanadium	ug/L	5.0U	10.0	11/21/16 12:30	
Zinc	ug/L	10.0U	20.0	11/21/16 12:30	

LABORATORY CONTROL SAMPLE: 1783184

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	257	103	80-120	
Barium	ug/L	250	260	104	80-120	
Beryllium	ug/L	25	27.0	108	80-120	
Cadmium	ug/L	25	26.6	106	80-120	
Chromium	ug/L	250	269	107	80-120	
Cobalt	ug/L	250	265	106	80-120	
Copper	ug/L	250	265	106	80-120	
Iron	ug/L	2500	2750	110	80-120	
Lead	ug/L	250	268	107	80-120	
Nickel	ug/L	250	271	108	80-120	
Selenium	ug/L	250	260	104	80-120	
Silver	ug/L	25	25.7	103	80-120	
Sodium	mg/L	12.5	13.4	107	80-120	
Vanadium	ug/L	250	268	107	80-120	
Zinc	ug/L	1250	1380	111	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275425

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1783185 1783186

Parameter	Units	35275631001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	<5.0	250	250	263	264	104	104	75-125	0	20	
Barium	ug/L	22.6	250	250	281	284	103	105	75-125	1	20	
Beryllium	ug/L	<0.50	25	25	26.4	26.7	105	106	75-125	1	20	
Cadmium	ug/L	<0.50	25	25	26.2	26.2	105	105	75-125	0	20	
Chromium	ug/L	<2.5	250	250	271	273	108	109	75-125	1	20	
Cobalt	ug/L	<5.0	250	250	258	262	103	105	75-125	1	20	
Copper	ug/L	<2.5	250	250	270	273	108	109	75-125	1	20	
Iron	ug/L	895	2500	2500	3760	3760	115	115	75-125	0	20	
Lead	ug/L	<5.0	250	250	260	264	104	105	75-125	1	20	
Nickel	ug/L	<2.5	250	250	270	271	108	108	75-125	0	20	
Selenium	ug/L	<7.5	250	250	259	262	103	104	75-125	1	20	
Silver	ug/L	<2.5	25	25	25.6	26.0	103	104	75-125	1	20	
Sodium	mg/L	9.7	12.5	12.5	22.6	22.8	103	105	75-125	1	20	
Vanadium	ug/L	<5.0	250	250	272	275	108	109	75-125	1	20	
Zinc	ug/L	<10.0	1250	1250	1400	1390	112	111	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275425

QC Batch: 333191 | Analysis Method: EPA 6020
QC Batch Method: EPA 3010 | Analysis Description: 6020 MET
Associated Lab Samples: 35275425001, 35275425002, 35275425003, 35275425004

METHOD BLANK: 1783621 | Matrix: Water
Associated Lab Samples: 35275425001, 35275425002, 35275425003, 35275425004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	11/18/16 11:44	
Thallium	ug/L	0.50U	1.0	11/18/16 11:44	

LABORATORY CONTROL SAMPLE: 1783622

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	100	97.8	98	80-120	
Thallium	ug/L	100	99.7	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1783623 1783624

Parameter	Units	35275631002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	<0.50	100	100	96.5	96.6	96	97	75-125	0	20	
Thallium	ug/L	<0.50	100	100	103	101	103	101	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275425

QC Batch: 332292 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 35275425001, 35275425002, 35275425003, 35275425004, 35275425005, 35275425006, 35275425007, 35275425008

METHOD BLANK: 1777724 | Matrix: Water
Associated Lab Samples: 35275425001, 35275425002, 35275425003, 35275425004, 35275425005, 35275425006, 35275425007, 35275425008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	11/15/16 03:00	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	11/15/16 03:00	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	11/15/16 03:00	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	11/15/16 03:00	
1,1-Dichloroethane	ug/L	0.50U	1.0	11/15/16 03:00	
1,1-Dichloroethene	ug/L	0.50U	1.0	11/15/16 03:00	
1,2,3-Trichloropropane	ug/L	0.59U	1.0	11/15/16 03:00	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	11/15/16 03:00	
1,2-Dichloroethane	ug/L	0.50U	1.0	11/15/16 03:00	
1,2-Dichloropropane	ug/L	0.50U	1.0	11/15/16 03:00	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	11/15/16 03:00	
2-Butanone (MEK)	ug/L	5.0U	10.0	11/15/16 03:00	
2-Hexanone	ug/L	5.0U	10.0	11/15/16 03:00	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	11/15/16 03:00	
Acetone	ug/L	10.0U	20.0	11/15/16 03:00	
Acrylonitrile	ug/L	5.0U	10.0	11/15/16 03:00	
Benzene	ug/L	0.10U	1.0	11/15/16 03:00	
Bromochloromethane	ug/L	0.50U	1.0	11/15/16 03:00	
Bromodichloromethane	ug/L	0.27U	0.60	11/15/16 03:00	
Bromoform	ug/L	0.50U	1.0	11/15/16 03:00	
Bromomethane	ug/L	0.50U	5.0	11/15/16 03:00	
Carbon disulfide	ug/L	5.0U	10.0	11/15/16 03:00	
Carbon tetrachloride	ug/L	0.50U	1.0	11/15/16 03:00	
Chlorobenzene	ug/L	0.50U	1.0	11/15/16 03:00	
Chloroethane	ug/L	0.50U	10.0	11/15/16 03:00	
Chloroform	ug/L	0.50U	1.0	11/15/16 03:00	
Chloromethane	ug/L	0.62U	1.0	11/15/16 03:00	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	11/15/16 03:00	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	11/15/16 03:00	
Dibromochloromethane	ug/L	0.26U	0.50	11/15/16 03:00	
Dibromomethane	ug/L	0.50U	1.0	11/15/16 03:00	
Ethylbenzene	ug/L	0.50U	1.0	11/15/16 03:00	
Iodomethane	ug/L	0.50U	10.0	11/15/16 03:00	
Methylene Chloride	ug/L	2.5U	5.0	11/15/16 03:00	
Styrene	ug/L	0.50U	1.0	11/15/16 03:00	
Tetrachloroethene	ug/L	0.50U	1.0	11/15/16 03:00	
Toluene	ug/L	0.50U	1.0	11/15/16 03:00	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	11/15/16 03:00	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	11/15/16 03:00	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	11/15/16 03:00	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275425

METHOD BLANK: 1777724 Matrix: Water

Associated Lab Samples: 35275425001, 35275425002, 35275425003, 35275425004, 35275425005, 35275425006, 35275425007, 35275425008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	0.50U	1.0	11/15/16 03:00	
Trichlorofluoromethane	ug/L	0.50U	1.0	11/15/16 03:00	
Vinyl acetate	ug/L	1.0U	2.0	11/15/16 03:00	
Vinyl chloride	ug/L	0.50U	1.0	11/15/16 03:00	
Xylene (Total)	ug/L	1.5U	3.0	11/15/16 03:00	
1,2-Dichloroethane-d4 (S)	%	101	75-135	11/15/16 03:00	
4-Bromofluorobenzene (S)	%	92	89-111	11/15/16 03:00	
Toluene-d8 (S)	%	99	89-112	11/15/16 03:00	

LABORATORY CONTROL SAMPLE: 1777725

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.1	106	70-130	
1,1,1-Trichloroethane	ug/L	20	18.5	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	24.7	123	70-130	
1,1,2-Trichloroethane	ug/L	20	21.7	108	70-130	
1,1-Dichloroethane	ug/L	20	19.3	97	70-130	
1,1-Dichloroethene	ug/L	20	18.7	93	65-134	
1,2,3-Trichloropropane	ug/L	20	24.9	124	65-135	
1,2-Dichlorobenzene	ug/L	20	24.9	124	70-130	
1,2-Dichloroethane	ug/L	20	19.3	97	70-130	
1,2-Dichloropropane	ug/L	20	19.4	97	70-130	
1,4-Dichlorobenzene	ug/L	20	24.2	121	70-130	
2-Butanone (MEK)	ug/L	40	44.0	110	61-129	
2-Hexanone	ug/L	40	42.2	105	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	42.1	105	70-130	
Acetone	ug/L	40	44.8	112	44-155	
Acrylonitrile	ug/L	200	190	95	59-138	
Benzene	ug/L	20	19.0	95	70-130	
Bromochloromethane	ug/L	20	18.6	93	70-130	
Bromodichloromethane	ug/L	20	21.1	106	70-130	
Bromoform	ug/L	20	18.6	93	62-129	
Bromomethane	ug/L	20	18.2	91	10-179	
Carbon disulfide	ug/L	20	17.9	89	40-156	
Carbon tetrachloride	ug/L	20	18.4	92	66-127	
Chlorobenzene	ug/L	20	22.0	110	70-130	
Chloroethane	ug/L	20	20.4	102	57-142	
Chloroform	ug/L	20	19.7	98	70-130	
Chloromethane	ug/L	20	21.1	105	45-150	
cis-1,2-Dichloroethene	ug/L	20	19.9	99	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.2	101	70-130	
Dibromochloromethane	ug/L	20	21.3	106	70-130	
Dibromomethane	ug/L	20	18.9	95	70-130	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275425

LABORATORY CONTROL SAMPLE: 1777725

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	20	20.9	105	70-130	
Iodomethane	ug/L	40	44.2	111	21-150	
Methylene Chloride	ug/L	20	18.0	90	65-127	
Styrene	ug/L	20	22.4	112	70-130	
Tetrachloroethene	ug/L	20	22.0	110	48-155	
Toluene	ug/L	20	19.9	100	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.1	95	68-126	
trans-1,3-Dichloropropene	ug/L	20	20.3	101	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	13.5	67	46-138	
Trichloroethene	ug/L	20	18.3	92	69-129	
Trichlorofluoromethane	ug/L	20	22.3	111	60-144	
Vinyl acetate	ug/L	20	19.4	97	70-130	
Vinyl chloride	ug/L	20	20.2	101	67-136	
Xylene (Total)	ug/L	60	64.0	107	70-130	
1,2-Dichloroethane-d4 (S)	%			102	75-135	
4-Bromofluorobenzene (S)	%			94	89-111	
Toluene-d8 (S)	%			98	89-112	

MATRIX SPIKE SAMPLE: 1781374

Parameter	Units	35275699006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	19.9	99	70-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	19.2	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	23.0	115	70-130	
1,1,2-Trichloroethane	ug/L	0.50U	20	21.5	107	70-130	
1,1-Dichloroethane	ug/L	0.50U	20	21.9	109	70-130	
1,1-Dichloroethene	ug/L	0.50U	20	19.8	99	65-134	
1,2,3-Trichloropropane	ug/L	0.59U	20	25.2	126	65-135	
1,2-Dichlorobenzene	ug/L	0.50U	20	24.3	121	70-130	
1,2-Dichloroethane	ug/L	0.50U	20	18.8	94	70-130	
1,2-Dichloropropane	ug/L	0.50U	20	19.2	96	70-130	
1,4-Dichlorobenzene	ug/L	0.50U	20	26.5	133	70-130	M1
2-Butanone (MEK)	ug/L	5.0U	40	37.3	93	61-129	
2-Hexanone	ug/L	5.0U	40	36.8	92	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	38.6	96	70-130	
Acetone	ug/L	10.0U	40	38.7	97	44-155	
Acrylonitrile	ug/L	5.0U	200	164	82	59-138	
Benzene	ug/L	0.10U	20	54.9	275	70-130	M1
Bromochloromethane	ug/L	0.50U	20	18.5	92	70-130	
Bromodichloromethane	ug/L	0.27U	20	20.7	103	70-130	
Bromoform	ug/L	0.50U	20	18.5	93	62-129	
Bromomethane	ug/L	0.50U	20	15.5	77	10-179	
Carbon disulfide	ug/L	5.0U	20	22.6	113	40-156	
Carbon tetrachloride	ug/L	0.50U	20	18.6	93	66-127	
Chlorobenzene	ug/L	0.50U	20	31.4	157	70-130	M1

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275425

MATRIX SPIKE SAMPLE: 1781374

Parameter	Units	35275699006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	0.50U	20	22.6	113	57-142	
Chloroform	ug/L	0.50U	20	19.6	98	70-130	
Chloromethane	ug/L	0.62U	20	21.2	106	45-150	
cis-1,2-Dichloroethene	ug/L	0.50U	20	21.3	107	70-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	17.4	87	70-130	
Dibromochloromethane	ug/L	0.26U	20	20.0	100	70-130	
Dibromomethane	ug/L	0.50U	20	18.4	92	70-130	
Ethylbenzene	ug/L	0.50U	20	24.4	122	70-130	
Iodomethane	ug/L	0.50U	40	42.9	107	21-150	
Methylene Chloride	ug/L	2.5U	20	17.3	86	65-127	
Styrene	ug/L	0.50U	20	21.3	107	70-130	
Tetrachloroethene	ug/L	0.50U	20	15.6	78	48-155	
Toluene	ug/L	0.50U	20	20.7	104	70-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	18.8	94	68-126	
trans-1,3-Dichloropropene	ug/L	0.25U	20	18.2	91	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	11.3	57	46-138	
Trichloroethene	ug/L	0.50U	20	18.9	94	69-129	
Trichlorofluoromethane	ug/L	0.50U	20	24.3	122	60-144	
Vinyl acetate	ug/L	1.0U	20	14.6	73	70-130	
Vinyl chloride	ug/L	0.50U	20	22.9	115	67-136	
Xylene (Total)	ug/L	1.5U	60	62.7	105	70-130	
1,2-Dichloroethane-d4 (S)	%				102	75-135	
4-Bromofluorobenzene (S)	%				92	89-111	
Toluene-d8 (S)	%				99	89-112	

SAMPLE DUPLICATE: 1781373

Parameter	Units	35275699005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.59U	0.59U		40	
1,2-Dichlorobenzene	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane	ug/L	0.50U	0.50U		40	
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,4-Dichlorobenzene	ug/L	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	0.10U	0.10U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM
Pace Project No.: 35275425

SAMPLE DUPLICATE: 1781373

Parameter	Units	35275699005 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromochloromethane	ug/L	0.50U	0.50U		40	
Bromodichloromethane	ug/L	0.27U	0.27U		40	
Bromoform	ug/L	0.50U	0.50U		40	
Bromomethane	ug/L	0.50U	0.50U		40	
Carbon disulfide	ug/L	5.0U	5.0U		40	
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	0.50U	0.50U		40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	
Chloromethane	ug/L	0.62U	0.62U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.50U	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	1.5U	1.5U		40	
1,2-Dichloroethane-d4 (S)	%	104	104	0	40	
4-Bromofluorobenzene (S)	%	91	90	1	40	
Toluene-d8 (S)	%	100	100	1	40	

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: Resource Recovery GWM
Pace Project No.: 35275425

QC Batch: 332000 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35275425001, 35275425002, 35275425003, 35275425004

METHOD BLANK: 1776654 | Matrix: Water
Associated Lab Samples: 35275425001, 35275425002, 35275425003, 35275425004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	11/15/16 04:53	
1,2-Dibromoethane (EDB)	ug/L	0.0075U	0.010	11/15/16 04:53	

LABORATORY CONTROL SAMPLE: 1776655

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.24	95	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.24	98	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1777403 1777404

Parameter	Units	35275425002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0046U	.44	.44	0.54	0.51	122	117	60-140	5	40	
1,2-Dibromoethane (EDB)	ug/L	0.0070U	.44	.44	0.54	0.54	123	124	60-140	1	40	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Resource Recovery GWM
Pace Project No.: 35275425

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 adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

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.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery GWM
Pace Project No.: 35275425

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35275425001	**2MWS17**	EPA 8011	332000	EPA 8011	332412
35275425002	**2MW19D**	EPA 8011	332000	EPA 8011	332412
35275425003	**2MW18D**	EPA 8011	332000	EPA 8011	332412
35275425004	**4MW8**	EPA 8011	332000	EPA 8011	332412
35275425001	**2MWS17**	EPA 3010	333115	EPA 6010	333264
35275425002	**2MW19D**	EPA 3010	333115	EPA 6010	333264
35275425003	**2MW18D**	EPA 3010	333115	EPA 6010	333264
35275425004	**4MW8**	EPA 3010	333115	EPA 6010	333264
35275425001	**2MWS17**	EPA 3010	333191	EPA 6020	333265
35275425002	**2MW19D**	EPA 3010	333191	EPA 6020	333265
35275425003	**2MW18D**	EPA 3010	333191	EPA 6020	333265
35275425004	**4MW8**	EPA 3010	333191	EPA 6020	333265
35275425001	**2MWS17**	EPA 7470	333017	EPA 7470	333075
35275425002	**2MW19D**	EPA 7470	333017	EPA 7470	333075
35275425003	**2MW18D**	EPA 7470	333017	EPA 7470	333075
35275425004	**4MW8**	EPA 7470	333017	EPA 7470	333075
35275425001	**2MWS17**	EPA 8260	332292		
35275425002	**2MW19D**	EPA 8260	332292		
35275425003	**2MW18D**	EPA 8260	332292		
35275425004	**4MW8**	EPA 8260	332292		
35275425005	**2MWS17 BLANK**	EPA 8260	332292		
35275425006	**2MW19D**	EPA 8260	332292		
35275425007	**2MW18D**	EPA 8260	332292		
35275425008	**4MW8**	EPA 8260	332292		

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WO# : 35275425

SOUTHERN ANALYTICAL LABORATORI

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax

35275425

SAL Project No. _____

Client Name: Pasco Co Environmental Lab

/ Phone: Sandra Mulhern 727-847-8902

Project Name / Location: Resource Recovery GWM

Samplers: (Signature) Marian Bezual

Matrix Codes: DW-Drinking Water WW-Wastewater SW-SurfaceWater SL-Sludge SO-Soil GW-Groundwater SA-Saline Water O-Other R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	Metals Fe, Hg, Na 125 ml P, HNO3	Appendix I 250 ml P, HNO3	App. I 40 ml V	App. I 40 ml V, HCL	Trip Blank 40 ml V				No. of Containers (Total per each location)
	2MWS17	11-2-16	1025	GW		✓	1	1 ~~3~~ HB	3	3	1				9
	2MW19D	11-2-16	1215	GW		✓	1	1 ~~3~~ HB	3	3	1				9
	2MW18D	11-2-16	1333	GW		✓	1	1 ~~3~~ HB	3	3	1				9
	~~2MW8~~ HB - Well Dry	11-2-16	1415	Not Sampled		✓	0	0 ~~0~~ HB	0	0	0				NA
	4MW8	11-2-16	1556	GW		✓	1	1 ~~3~~ HB	3	3	1				9
												Sent to S.A.L. 11/4/16			

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
Marian Bezual	11/2/16 18:00	[illegible]	11/02/16 1820
[illegible]	11/4/16 0800	[illegible] PACE	11/04/16 0800
[illegible] PACE	11/04/16 0850	[illegible]	11/4/16 0850
[illegible]	11/7/16 0900	i-CX	11/7/16 0900
Relinquished:	Date/Time:	Received: [illegible]	11/08/16 0030

Seal intact? Y N N/A

Samples intact upon arrival? Y N N/A

Received on ice? Temp 3.8 (Y) N N/A

Proper preservatives indicated? Y N N/A

Rec'd within holding time? Y N N/A

Volatiles rec'd w/out headspace? Y N N/A

Proper containers used? Y N N/A

Instructions / Remarks

Temp 4°C T270

Chain of Custody

Chain of Custody.xls
Rev.Date 11/19/01

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: August 10, 2016
	Document No: F-FL-C-007 rev. 10	Issuing Authority: Pace Florida Quality Office

Sam **WO# : 35275425**

Project # PM: KN1 **Due Date:** 11/18/16

Project Manager: CLIENT: PASCOU

Client:

Date and Initials of person:
Examining contents: _____
Label: _____
Deliver: _____
pH: _____

Thermometer Used: T270 Date: 11/8/16 Time: 0030 Initials: TCM

Samples shorted to lab (If Yes, complete) Shorted Date _____ Shorted Time _____ Qty. _____

Cooler #1 Temp.°C .1 (Visual) +.3 (Correction Factor) .4 (Actual) ☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun

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

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ Other _____

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals Intact: ☐ Yes ☐ No Ice: Wet Blue None

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

Comments:

Chain of Custody Present	☑ Yes	☐ No	☐ N/A
Chain of Custody Filled Out	☑ Yes	☐ No	☐ N/A
Relinquished Signature & Sampler Name COC	☑ Yes	☐ No	☐ N/A
Samples Arrived within Hold Time	☑ Yes	☐ No	☐ N/A
Rush TAT requested on COC	☐ Yes	☑ No	☐ N/A
Sufficient Volume	☑ Yes	☐ No	☐ N/A
Correct Containers Used	☑ Yes	☐ No	☐ N/A
Containers Intact	☑ Yes	☐ No	☐ N/A
Sample Labels match COC (sample IDs & date/time of collection)	☑ Yes	☒ No	☐ N/A
All containers needing acid/base preservation have been checked.	☑ Yes	☐ No	☐ N/A
All Containers needing preservation are found to be in compliance with EPA recommendation. Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☑ Yes	☐ No	☐ N/A
Headspace in VOA Vials? (>6mm):	☐ Yes	☑ No	☐ N/A
Trip Blank Present:	☑ Yes	☐ No	☐ N/A

See Notes

Preservation Information
Preservative _____
Lot # Trace # _____
Date _____ Time _____
Initials _____

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments): Sample #1 Containers say 2MW178 or 2MW175 but COC says 2MWS17 logged per COC.

Project Manager Review: _____ Date: _____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

November 21, 2016

Ms. Candia E. Mulhern
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

RE: Project: Resources Recovery GWM
Pace Project No.: 35275426

Dear Ms. Mulhern:
Enclosed are the analytical results for sample(s) received by the laboratory on November 04, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Bo Garcia for
Kathryn Nordmark
kathryn.nordmark@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project:	Resources Recovery GWM
Pace Project No.:	35275426

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: Resources Recovery GWM
Pace Project No.: 35275426

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35275426001	**4MW21**	Water	11/03/16 11:10	11/04/16 16:00
35275426002	**4MW22**	Water	11/03/16 13:20	11/04/16 16:00
35275426003	**4MW9**	Water	11/03/16 15:25	11/04/16 16:00
35275426004	**4MW22 BLANK**	Water	11/03/16 13:20	11/04/16 16:00
35275426005	**4MW9 BLANK**	Water	11/03/16 15:25	11/04/16 16:00

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SAMPLE ANALYTE COUNT

Project: Resources Recovery GWM
Pace Project No.: 35275426

Lab ID	Sample ID	Method	Analysts	Analytes Reported
35275426001	**4MW21**	EPA 8011	SMH	2
		EPA 6010	CKJ	15
		EPA 6020	KMW	2
		EPA 7470	RVK	1
		EPA 8260	SK1	48
35275426002	**4MW22**	EPA 8011	SMH	2
		EPA 6010	CKJ	15
		EPA 6020	KMW	2
		EPA 7470	RVK	1
		EPA 8260	SK1	48
35275426003	**4MW9**	EPA 8011	SMH	2
		EPA 6010	CKJ	15
		EPA 6020	KMW	2
		EPA 7470	RVK	1
		EPA 8260	SK1	48
35275426004	**4MW22 BLANK**	EPA 8260	SK1	48
35275426005	**4MW9 BLANK**	EPA 8260	SK1	48

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ANALYTICAL RESULTS

Project: Resources Recovery GWM
Pace Project No.: 35275426

Sample: 4MW21 **Lab ID: 35275426001** Collected: 11/03/16 11:10 Received: 11/04/16 16:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0046U**	ug/L	0.019	1	11/14/16 14:35	11/15/16 07:11	96-12-8	
1,2-Dibromoethane (EDB)	**0.0071U**	ug/L	0.0094	1	11/14/16 14:35	11/15/16 07:11	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:06	7440-38-2	
Barium	**8.5J**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:06	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/21/16 13:06	7440-41-7	
Cadmium	**1.1**	ug/L	1.0	1	11/17/16 18:25	11/21/16 13:06	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 13:06	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:06	7440-48-4	
Copper	**6.4**	ug/L	5.0	1	11/17/16 18:25	11/21/16 13:06	7440-50-8	
Iron	**23.7J**	ug/L	40.0	1	11/17/16 18:25	11/21/16 13:06	7439-89-6	
Lead	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:06	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 13:06	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	1	11/17/16 18:25	11/21/16 13:06	7782-49-2	
Silver	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 13:06	7440-22-4	
Sodium	**5.9**	mg/L	1.0	1	11/17/16 18:25	11/21/16 13:06	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:06	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	1	11/17/16 18:25	11/21/16 13:06	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/18/16 12:09	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/18/16 12:09	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	1	11/17/16 08:48	11/17/16 16:46	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	**15.0J**	ug/L	20.0	1		11/16/16 19:29	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/16/16 19:29	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/16/16 19:29	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/16/16 19:29	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/16/16 19:29	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/16/16 19:29	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/16/16 19:29	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/16/16 19:29	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/16/16 19:29	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/16/16 19:29	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/16/16 19:29	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/16/16 19:29	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/16/16 19:29	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/16/16 19:29	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/16/16 19:29	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/16/16 19:29	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/16/16 19:29	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/16/16 19:29	106-46-7	

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ANALYTICAL RESULTS

Project: Resources Recovery GWM
Pace Project No.: 35275426

Sample: 4MW21 **Lab ID: 35275426001** Collected: 11/03/16 11:10 Received: 11/04/16 16:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/16/16 19:29	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 19:29	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 19:29	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 19:29	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 19:29	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 19:29	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/16/16 19:29	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/16/16 19:29	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/16/16 19:29	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/16/16 19:29	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/16/16 19:29	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/16/16 19:29	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/16/16 19:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/16/16 19:29	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/16/16 19:29	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/16/16 19:29	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/16/16 19:29	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/16/16 19:29	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/16/16 19:29	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 19:29	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 19:29	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 19:29	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/16/16 19:29	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/16/16 19:29	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/16/16 19:29	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/16/16 19:29	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/16/16 19:29	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	91	%	89-111	1		11/16/16 19:29	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	75-135	1		11/16/16 19:29	17060-07-0	
Toluene-d8 (S)	99	%	89-112	1		11/16/16 19:29	2037-26-5	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resources Recovery GWM
Pace Project No.: 35275426

Sample: 4MW22 **Lab ID: 35275426002** Collected: 11/03/16 13:20 Received: 11/04/16 16:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0047U**	ug/L	0.019	1	11/14/16 14:35	11/15/16 07:27	96-12-8	
1,2-Dibromoethane (EDB)	**0.0071U**	ug/L	0.0095	1	11/14/16 14:35	11/15/16 07:27	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:10	7440-38-2	
Barium	**11.5**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:10	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/21/16 13:10	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/21/16 13:10	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 13:10	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:10	7440-48-4	
Copper	**3.0J**	ug/L	5.0	1	11/17/16 18:25	11/21/16 13:10	7440-50-8	
Iron	**20.0U**	ug/L	40.0	1	11/17/16 18:25	11/21/16 13:10	7439-89-6	
Lead	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:10	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 13:10	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	1	11/17/16 18:25	11/21/16 13:10	7782-49-2	
Silver	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 13:10	7440-22-4	
Sodium	**6.9**	mg/L	1.0	1	11/17/16 18:25	11/21/16 13:10	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:10	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	1	11/17/16 18:25	11/21/16 13:10	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/18/16 12:12	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/18/16 12:12	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	1	11/17/16 08:48	11/17/16 16:48	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/16/16 20:18	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/16/16 20:18	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/16/16 20:18	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/16/16 20:18	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/16/16 20:18	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/16/16 20:18	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/16/16 20:18	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/16/16 20:18	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/16/16 20:18	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/16/16 20:18	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/16/16 20:18	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/16/16 20:18	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/16/16 20:18	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/16/16 20:18	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/16/16 20:18	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/16/16 20:18	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/16/16 20:18	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/16/16 20:18	106-46-7	

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ANALYTICAL RESULTS

Project: Resources Recovery GWM
Pace Project No.: 35275426

Sample: 4MW22 **Lab ID: 35275426002** Collected: 11/03/16 13:20 Received: 11/04/16 16:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/16/16 20:18	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 20:18	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 20:18	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 20:18	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 20:18	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 20:18	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/16/16 20:18	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/16/16 20:18	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/16/16 20:18	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/16/16 20:18	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/16/16 20:18	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/16/16 20:18	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/16/16 20:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/16/16 20:18	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/16/16 20:18	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/16/16 20:18	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/16/16 20:18	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/16/16 20:18	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/16/16 20:18	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 20:18	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 20:18	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 20:18	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/16/16 20:18	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/16/16 20:18	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/16/16 20:18	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/16/16 20:18	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/16/16 20:18	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	91	%	89-111	1		11/16/16 20:18	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	75-135	1		11/16/16 20:18	17060-07-0	
Toluene-d8 (S)	100	%	89-112	1		11/16/16 20:18	2037-26-5	

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ANALYTICAL RESULTS

Project: Resources Recovery GWM
Pace Project No.: 35275426

Sample: 4MW9 **Lab ID: 35275426003** Collected: 11/03/16 15:25 Received: 11/04/16 16:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0054U**	ug/L	0.022	1	11/14/16 14:35	11/15/16 07:42	96-12-8	
1,2-Dibromoethane (EDB)	**0.0083U**	ug/L	0.011	1	11/14/16 14:35	11/15/16 07:42	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:14	7440-38-2	
Barium	**9.2J**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:14	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/21/16 13:14	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/21/16 13:14	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 13:14	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:14	7440-48-4	
Copper	**8.0**	ug/L	5.0	1	11/17/16 18:25	11/21/16 13:14	7440-50-8	
Iron	**20.0U**	ug/L	40.0	1	11/17/16 18:25	11/21/16 13:14	7439-89-6	
Lead	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:14	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 13:14	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	1	11/17/16 18:25	11/21/16 13:14	7782-49-2	
Silver	**2.5U**	ug/L	5.0	1	11/17/16 18:25	11/21/16 13:14	7440-22-4	
Sodium	**9.2**	mg/L	1.0	1	11/17/16 18:25	11/21/16 13:14	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	1	11/17/16 18:25	11/21/16 13:14	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	1	11/17/16 18:25	11/21/16 13:14	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/18/16 13:13	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	1	11/17/16 18:25	11/18/16 13:13	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	1	11/17/16 08:48	11/17/16 16:50	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/16/16 20:42	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/16/16 20:42	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/16/16 20:42	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/16/16 20:42	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/16/16 20:42	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/16/16 20:42	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/16/16 20:42	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/16/16 20:42	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/16/16 20:42	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/16/16 20:42	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/16/16 20:42	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/16/16 20:42	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/16/16 20:42	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/16/16 20:42	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/16/16 20:42	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/16/16 20:42	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/16/16 20:42	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/16/16 20:42	106-46-7	

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ANALYTICAL RESULTS

Project: Resources Recovery GWM
Pace Project No.: 35275426

Sample: 4MW9 **Lab ID: 35275426003** Collected: 11/03/16 15:25 Received: 11/04/16 16:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/16/16 20:42	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 20:42	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 20:42	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 20:42	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 20:42	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 20:42	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/16/16 20:42	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/16/16 20:42	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/16/16 20:42	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/16/16 20:42	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/16/16 20:42	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/16/16 20:42	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/16/16 20:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/16/16 20:42	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/16/16 20:42	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/16/16 20:42	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/16/16 20:42	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/16/16 20:42	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/16/16 20:42	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 20:42	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 20:42	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 20:42	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/16/16 20:42	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/16/16 20:42	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/16/16 20:42	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/16/16 20:42	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/16/16 20:42	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	90	%	89-111	1		11/16/16 20:42	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	75-135	1		11/16/16 20:42	17060-07-0	
Toluene-d8 (S)	100	%	89-112	1		11/16/16 20:42	2037-26-5	

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ANALYTICAL RESULTS

Project: Resources Recovery GWM
Pace Project No.: 35275426

Sample: 4MW22 BLANK **Lab ID: 35275426004** Collected: 11/03/16 13:20 Received: 11/04/16 16:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/16/16 18:38	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/16/16 18:38	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/16/16 18:38	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/16/16 18:38	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/16/16 18:38	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/16/16 18:38	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/16/16 18:38	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/16/16 18:38	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/16/16 18:38	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/16/16 18:38	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/16/16 18:38	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/16/16 18:38	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/16/16 18:38	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/16/16 18:38	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/16/16 18:38	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/16/16 18:38	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/16/16 18:38	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/16/16 18:38	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/16/16 18:38	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 18:38	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 18:38	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 18:38	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 18:38	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 18:38	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/16/16 18:38	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/16/16 18:38	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/16/16 18:38	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/16/16 18:38	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/16/16 18:38	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/16/16 18:38	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/16/16 18:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/16/16 18:38	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/16/16 18:38	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/16/16 18:38	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/16/16 18:38	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/16/16 18:38	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/16/16 18:38	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 18:38	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 18:38	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 18:38	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/16/16 18:38	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/16/16 18:38	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/16/16 18:38	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/16/16 18:38	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/16/16 18:38	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	91	%	89-111	1		11/16/16 18:38	460-00-4	

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ANALYTICAL RESULTS

Project: Resources Recovery GWM
Pace Project No.: 35275426

Sample: 4MW22 BLANK **Lab ID: 35275426004** Collected: 11/03/16 13:20 Received: 11/04/16 16:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
1,2-Dichloroethane-d4 (S)	104	%	75-135	1		11/16/16 18:38	17060-07-0	
Toluene-d8 (S)	101	%	89-112	1		11/16/16 18:38	2037-26-5	

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ANALYTICAL RESULTS

Project: Resources Recovery GWM
Pace Project No.: 35275426

Sample: 4MW9 BLANK **Lab ID: 35275426005** Collected: 11/03/16 15:25 Received: 11/04/16 16:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/16/16 19:05	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/16/16 19:05	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/16/16 19:05	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/16/16 19:05	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/16/16 19:05	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/16/16 19:05	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/16/16 19:05	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/16/16 19:05	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/16/16 19:05	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/16/16 19:05	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/16/16 19:05	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/16/16 19:05	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/16/16 19:05	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/16/16 19:05	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/16/16 19:05	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/16/16 19:05	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/16/16 19:05	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/16/16 19:05	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/16/16 19:05	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 19:05	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 19:05	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 19:05	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 19:05	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 19:05	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/16/16 19:05	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/16/16 19:05	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/16/16 19:05	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/16/16 19:05	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/16/16 19:05	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/16/16 19:05	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/16/16 19:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/16/16 19:05	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/16/16 19:05	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/16/16 19:05	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/16/16 19:05	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/16/16 19:05	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/16/16 19:05	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 19:05	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/16/16 19:05	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/16/16 19:05	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/16/16 19:05	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/16/16 19:05	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/16/16 19:05	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/16/16 19:05	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/16/16 19:05	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	91	%	89-111	1		11/16/16 19:05	460-00-4	

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ANALYTICAL RESULTS

Project: Resources Recovery GWM
Pace Project No.: 35275426

Sample: 4MW9 BLANK **Lab ID: 35275426005** Collected: 11/03/16 15:25 Received: 11/04/16 16:00 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%	75-135	1		11/16/16 19:05	17060-07-0	
Toluene-d8 (S)	99	%	89-112	1		11/16/16 19:05	2037-26-5	

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QUALITY CONTROL DATA

Project: Resources Recovery GWM
Pace Project No.: 35275426

QC Batch: 333017 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Associated Lab Samples: 35275426001, 35275426002, 35275426003

METHOD BLANK: 1782630 | Matrix: Water
Associated Lab Samples: 35275426001, 35275426002, 35275426003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	11/17/16 16:22	

LABORATORY CONTROL SAMPLE: 1782631

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1782632 1782633

Parameter	Units	35275425001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10U	2	2	2.0	2.0	98	96	75-125	2	20	

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QUALITY CONTROL DATA

Project: Resources Recovery GWM
Pace Project No.: 35275426

QC Batch: 333115 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 35275426001, 35275426002, 35275426003

METHOD BLANK: 1783183 | Matrix: Water
Associated Lab Samples: 35275426001, 35275426002, 35275426003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	11/21/16 12:30	
Barium	ug/L	5.0U	10.0	11/21/16 12:30	
Beryllium	ug/L	0.50U	1.0	11/21/16 12:30	
Cadmium	ug/L	0.50U	1.0	11/21/16 12:30	
Chromium	ug/L	2.5U	5.0	11/21/16 12:30	
Cobalt	ug/L	5.0U	10.0	11/21/16 12:30	
Copper	ug/L	2.5U	5.0	11/21/16 12:30	
Iron	ug/L	20.0U	40.0	11/21/16 12:30	
Lead	ug/L	5.0U	10.0	11/21/16 12:30	
Nickel	ug/L	2.5U	5.0	11/21/16 12:30	
Selenium	ug/L	7.5U	15.0	11/21/16 12:30	
Silver	ug/L	2.5U	5.0	11/21/16 12:30	
Sodium	mg/L	0.50U	1.0	11/21/16 12:30	
Vanadium	ug/L	5.0U	10.0	11/21/16 12:30	
Zinc	ug/L	10.0U	20.0	11/21/16 12:30	

LABORATORY CONTROL SAMPLE: 1783184

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	257	103	80-120	
Barium	ug/L	250	260	104	80-120	
Beryllium	ug/L	25	27.0	108	80-120	
Cadmium	ug/L	25	26.6	106	80-120	
Chromium	ug/L	250	269	107	80-120	
Cobalt	ug/L	250	265	106	80-120	
Copper	ug/L	250	265	106	80-120	
Iron	ug/L	2500	2750	110	80-120	
Lead	ug/L	250	268	107	80-120	
Nickel	ug/L	250	271	108	80-120	
Selenium	ug/L	250	260	104	80-120	
Silver	ug/L	25	25.7	103	80-120	
Sodium	mg/L	12.5	13.4	107	80-120	
Vanadium	ug/L	250	268	107	80-120	
Zinc	ug/L	1250	1380	111	80-120	

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QUALITY CONTROL DATA

Project: Resources Recovery GWM
Pace Project No.: 35275426

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1783185 1783186

Parameter	Units	35275631001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	<5.0	250	250	263	264	104	104	75-125	0	20	
Barium	ug/L	22.6	250	250	281	284	103	105	75-125	1	20	
Beryllium	ug/L	<0.50	25	25	26.4	26.7	105	106	75-125	1	20	
Cadmium	ug/L	<0.50	25	25	26.2	26.2	105	105	75-125	0	20	
Chromium	ug/L	<2.5	250	250	271	273	108	109	75-125	1	20	
Cobalt	ug/L	<5.0	250	250	258	262	103	105	75-125	1	20	
Copper	ug/L	<2.5	250	250	270	273	108	109	75-125	1	20	
Iron	ug/L	895	2500	2500	3760	3760	115	115	75-125	0	20	
Lead	ug/L	<5.0	250	250	260	264	104	105	75-125	1	20	
Nickel	ug/L	<2.5	250	250	270	271	108	108	75-125	0	20	
Selenium	ug/L	<7.5	250	250	259	262	103	104	75-125	1	20	
Silver	ug/L	<2.5	25	25	25.6	26.0	103	104	75-125	1	20	
Sodium	mg/L	9.7	12.5	12.5	22.6	22.8	103	105	75-125	1	20	
Vanadium	ug/L	<5.0	250	250	272	275	108	109	75-125	1	20	
Zinc	ug/L	<10.0	1250	1250	1400	1390	112	111	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resources Recovery GWM
Pace Project No.: 35275426

QC Batch: 333191 | Analysis Method: EPA 6020
QC Batch Method: EPA 3010 | Analysis Description: 6020 MET
Associated Lab Samples: 35275426001, 35275426002, 35275426003

METHOD BLANK: 1783621 | Matrix: Water
Associated Lab Samples: 35275426001, 35275426002, 35275426003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	11/18/16 11:44	
Thallium	ug/L	0.50U	1.0	11/18/16 11:44	

LABORATORY CONTROL SAMPLE: 1783622

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	100	97.8	98	80-120	
Thallium	ug/L	100	99.7	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1783623 1783624

Parameter	Units	35275631002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	<0.50	100	100	96.5	96.6	96	97	75-125	0	20	
Thallium	ug/L	<0.50	100	100	103	101	103	101	75-125	2	20	

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QUALITY CONTROL DATA

Project: Resources Recovery GWM
Pace Project No.: 35275426

QC Batch: 332850 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 35275426001, 35275426002, 35275426003, 35275426004, 35275426005

METHOD BLANK: 1781304 | Matrix: Water
Associated Lab Samples: 35275426001, 35275426002, 35275426003, 35275426004, 35275426005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	11/16/16 14:28	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	11/16/16 14:28	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	11/16/16 14:28	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	11/16/16 14:28	
1,1-Dichloroethane	ug/L	0.50U	1.0	11/16/16 14:28	
1,1-Dichloroethene	ug/L	0.50U	1.0	11/16/16 14:28	
1,2,3-Trichloropropane	ug/L	0.59U	1.0	11/16/16 14:28	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	11/16/16 14:28	
1,2-Dichloroethane	ug/L	0.50U	1.0	11/16/16 14:28	
1,2-Dichloropropane	ug/L	0.50U	1.0	11/16/16 14:28	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	11/16/16 14:28	
2-Butanone (MEK)	ug/L	5.0U	10.0	11/16/16 14:28	
2-Hexanone	ug/L	5.0U	10.0	11/16/16 14:28	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	11/16/16 14:28	
Acetone	ug/L	10.0U	20.0	11/16/16 14:28	
Acrylonitrile	ug/L	5.0U	10.0	11/16/16 14:28	
Benzene	ug/L	0.10U	1.0	11/16/16 14:28	
Bromochloromethane	ug/L	0.50U	1.0	11/16/16 14:28	
Bromodichloromethane	ug/L	0.27U	0.60	11/16/16 14:28	
Bromoform	ug/L	0.50U	1.0	11/16/16 14:28	
Bromomethane	ug/L	0.50U	5.0	11/16/16 14:28	
Carbon disulfide	ug/L	5.0U	10.0	11/16/16 14:28	
Carbon tetrachloride	ug/L	0.50U	1.0	11/16/16 14:28	
Chlorobenzene	ug/L	0.50U	1.0	11/16/16 14:28	
Chloroethane	ug/L	0.50U	10.0	11/16/16 14:28	
Chloroform	ug/L	0.50U	1.0	11/16/16 14:28	
Chloromethane	ug/L	0.62U	1.0	11/16/16 14:28	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	11/16/16 14:28	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	11/16/16 14:28	
Dibromochloromethane	ug/L	0.26U	0.50	11/16/16 14:28	
Dibromomethane	ug/L	0.50U	1.0	11/16/16 14:28	
Ethylbenzene	ug/L	0.50U	1.0	11/16/16 14:28	
Iodomethane	ug/L	0.50U	10.0	11/16/16 14:28	
Methylene Chloride	ug/L	2.5U	5.0	11/16/16 14:28	
Styrene	ug/L	0.50U	1.0	11/16/16 14:28	
Tetrachloroethene	ug/L	0.50U	1.0	11/16/16 14:28	
Toluene	ug/L	0.50U	1.0	11/16/16 14:28	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	11/16/16 14:28	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	11/16/16 14:28	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	11/16/16 14:28	
Trichloroethene	ug/L	0.50U	1.0	11/16/16 14:28	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resources Recovery GWM
Pace Project No.: 35275426

METHOD BLANK: 1781304 Matrix: Water
Associated Lab Samples: 35275426001, 35275426002, 35275426003, 35275426004, 35275426005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50U	1.0	11/16/16 14:28	
Vinyl acetate	ug/L	1.0U	2.0	11/16/16 14:28	
Vinyl chloride	ug/L	0.50U	1.0	11/16/16 14:28	
Xylene (Total)	ug/L	1.5U	3.0	11/16/16 14:28	
1,2-Dichloroethane-d4 (S)	%	101	75-135	11/16/16 14:28	
4-Bromofluorobenzene (S)	%	92	89-111	11/16/16 14:28	
Toluene-d8 (S)	%	99	89-112	11/16/16 14:28	

LABORATORY CONTROL SAMPLE: 1781305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.3	101	70-130	
1,1,1-Trichloroethane	ug/L	20	16.4	82	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	23.5	117	70-130	
1,1,2-Trichloroethane	ug/L	20	20.6	103	70-130	
1,1-Dichloroethane	ug/L	20	17.5	87	70-130	
1,1-Dichloroethene	ug/L	20	16.6	83	65-134	
1,2,3-Trichloropropane	ug/L	20	22.5	113	65-135	
1,2-Dichlorobenzene	ug/L	20	23.9	120	70-130	
1,2-Dichloroethane	ug/L	20	18.1	90	70-130	
1,2-Dichloropropane	ug/L	20	17.6	88	70-130	
1,4-Dichlorobenzene	ug/L	20	23.2	116	70-130	
2-Butanone (MEK)	ug/L	40	33.9	85	61-129	
2-Hexanone	ug/L	40	36.8	92	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	38.0	95	70-130	
Acetone	ug/L	40	35.2	88	44-155	
Acrylonitrile	ug/L	200	176	88	59-138	
Benzene	ug/L	20	17.0	85	70-130	
Bromochloromethane	ug/L	20	17.2	86	70-130	
Bromodichloromethane	ug/L	20	19.9	99	70-130	
Bromoform	ug/L	20	18.3	91	62-129	
Bromomethane	ug/L	20	16.5	82	10-179	
Carbon disulfide	ug/L	20	17.6	88	40-156	
Carbon tetrachloride	ug/L	20	16.7	83	66-127	
Chlorobenzene	ug/L	20	20.9	104	70-130	
Chloroethane	ug/L	20	16.6	83	57-142	
Chloroform	ug/L	20	17.8	89	70-130	
Chloromethane	ug/L	20	22.9	114	45-150	
cis-1,2-Dichloroethene	ug/L	20	17.6	88	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.4	92	70-130	
Dibromochloromethane	ug/L	20	20.2	101	70-130	
Dibromomethane	ug/L	20	17.8	89	70-130	
Ethylbenzene	ug/L	20	19.8	99	70-130	
Iodomethane	ug/L	40	41.4	103	21-150	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resources Recovery GWM
Pace Project No.: 35275426

LABORATORY CONTROL SAMPLE: 1781305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	15.6	78	65-127	
Styrene	ug/L	20	22.0	110	70-130	
Tetrachloroethene	ug/L	20	16.4	82	48-155	
Toluene	ug/L	20	18.5	93	70-130	
trans-1,2-Dichloroethene	ug/L	20	16.8	84	68-126	
trans-1,3-Dichloropropene	ug/L	20	19.3	97	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	13.5	67	46-138	
Trichloroethene	ug/L	20	16.7	83	69-129	
Trichlorofluoromethane	ug/L	20	22.7	113	60-144	
Vinyl acetate	ug/L	20	18.6	93	70-130	
Vinyl chloride	ug/L	20	16.8	84	67-136	
Xylene (Total)	ug/L	60	60.6	101	70-130	
1,2-Dichloroethane-d4 (S)	%			99	75-135	
4-Bromofluorobenzene (S)	%			94	89-111	
Toluene-d8 (S)	%			98	89-112	

MATRIX SPIKE SAMPLE: 1781454

Parameter	Units	35275426002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	17.8	89	70-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	15.9	79	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	21.9	109	70-130	
1,1,2-Trichloroethane	ug/L	0.50U	20	18.0	90	70-130	
1,1-Dichloroethane	ug/L	0.50U	20	16.4	82	70-130	
1,1-Dichloroethene	ug/L	0.50U	20	16.4	82	65-134	
1,2,3-Trichloropropane	ug/L	0.59U	20	22.0	110	65-135	
1,2-Dichlorobenzene	ug/L	0.50U	20	22.1	110	70-130	
1,2-Dichloroethane	ug/L	0.50U	20	16.9	84	70-130	
1,2-Dichloropropane	ug/L	0.50U	20	16.6	83	70-130	
1,4-Dichlorobenzene	ug/L	0.50U	20	21.7	108	70-130	
2-Butanone (MEK)	ug/L	5.0U	40	33.8	85	61-129	
2-Hexanone	ug/L	5.0U	40	35.6	89	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	36.1	90	70-130	
Acetone	ug/L	10.0U	40	32.5	81	44-155	
Acrylonitrile	ug/L	5.0U	200	169	84	59-138	
Benzene	ug/L	0.10U	20	16.0	80	70-130	
Bromochloromethane	ug/L	0.50U	20	16.1	80	70-130	
Bromodichloromethane	ug/L	0.27U	20	18.5	93	70-130	
Bromoform	ug/L	0.50U	20	17.0	85	62-129	
Bromomethane	ug/L	0.50U	20	12.1	61	10-179	
Carbon disulfide	ug/L	5.0U	20	16.1	80	40-156	
Carbon tetrachloride	ug/L	0.50U	20	16.3	82	66-127	
Chlorobenzene	ug/L	0.50U	20	19.2	96	70-130	
Chloroethane	ug/L	0.50U	20	20.2	101	57-142	
Chloroform	ug/L	0.50U	20	16.2	81	70-130	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resources Recovery GWM
Pace Project No.: 35275426

MATRIX SPIKE SAMPLE: 1781454

Parameter	Units	35275426002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62U	20	19.7	99	45-150	
cis-1,2-Dichloroethene	ug/L	0.50U	20	16.6	83	70-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	16.7	83	70-130	
Dibromochloromethane	ug/L	0.26U	20	18.3	92	70-130	
Dibromomethane	ug/L	0.50U	20	15.9	79	70-130	
Ethylbenzene	ug/L	0.50U	20	18.2	91	70-130	
Iodomethane	ug/L	0.50U	40	36.4	91	21-150	
Methylene Chloride	ug/L	2.5U	20	15.0	75	65-127	
Styrene	ug/L	0.50U	20	19.2	96	70-130	
Tetrachloroethene	ug/L	0.50U	20	13.7	68	48-155	
Toluene	ug/L	0.50U	20	17.4	87	70-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	16.0	80	68-126	
trans-1,3-Dichloropropene	ug/L	0.25U	20	16.9	85	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	15.0	75	46-138	
Trichloroethene	ug/L	0.50U	20	16.2	81	69-129	
Trichlorofluoromethane	ug/L	0.50U	20	23.1	116	60-144	
Vinyl acetate	ug/L	1.0U	20	17.1	85	70-130	
Vinyl chloride	ug/L	0.50U	20	18.3	92	67-136	
Xylene (Total)	ug/L	1.5U	60	55.4	92	70-130	
1,2-Dichloroethane-d4 (S)	%				103	75-135	
4-Bromofluorobenzene (S)	%				91	89-111	
Toluene-d8 (S)	%				98	89-112	

SAMPLE DUPLICATE: 1781453

Parameter	Units	35275426001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.59U	0.59U		40	
1,2-Dichlorobenzene	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane	ug/L	0.50U	0.50U		40	
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,4-Dichlorobenzene	ug/L	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	15.0J	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	0.10U	0.10U		40	
Bromochloromethane	ug/L	0.50U	0.50U		40	
Bromodichloromethane	ug/L	0.27U	0.27U		40	

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QUALITY CONTROL DATA

Project: Resources Recovery GWM
Pace Project No.: 35275426

SAMPLE DUPLICATE: 1781453

Parameter	Units	35275426001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50U	0.50U		40	
Bromomethane	ug/L	0.50U	0.50U		40	
Carbon disulfide	ug/L	5.0U	5.0U		40	
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	0.50U	0.50U		40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	
Chloromethane	ug/L	0.62U	0.62U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.50U	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	1.5U	1.5U		40	
1,2-Dichloroethane-d4 (S)	%	102	102	0	40	
4-Bromofluorobenzene (S)	%	91	92	1	40	
Toluene-d8 (S)	%	99	99	0	40	

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Ormond Beach, FL 32174
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QUALITY CONTROL DATA

Project: Resources Recovery GWM
Pace Project No.: 35275426

QC Batch: 332000 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35275426001, 35275426002, 35275426003

METHOD BLANK: 1776654 | Matrix: Water
Associated Lab Samples: 35275426001, 35275426002, 35275426003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	11/15/16 04:53	
1,2-Dibromoethane (EDB)	ug/L	0.0075U	0.010	11/15/16 04:53	

LABORATORY CONTROL SAMPLE: 1776655

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.24	95	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.24	98	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1777403 1777404

Parameter	Units	35275425002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0046U	.44	.44	0.54	0.51	122	117	60-140	5	40	
1,2-Dibromoethane (EDB)	ug/L	0.0070U	.44	.44	0.54	0.54	123	124	60-140	1	40	

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REPORT OF LABORATORY ANALYSIS

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(386)672-5668

QUALIFIERS

Project: Resources Recovery GWM
Pace Project No.: 35275426

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 adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

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.

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

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

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resources Recovery GWM
Pace Project No.: 35275426

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35275426001	**4MW21**	EPA 8011	332000	EPA 8011	332412
35275426002	**4MW22**	EPA 8011	332000	EPA 8011	332412
35275426003	**4MW9**	EPA 8011	332000	EPA 8011	332412
35275426001	**4MW21**	EPA 3010	333115	EPA 6010	333264
35275426002	**4MW22**	EPA 3010	333115	EPA 6010	333264
35275426003	**4MW9**	EPA 3010	333115	EPA 6010	333264
35275426001	**4MW21**	EPA 3010	333191	EPA 6020	333265
35275426002	**4MW22**	EPA 3010	333191	EPA 6020	333265
35275426003	**4MW9**	EPA 3010	333191	EPA 6020	333265
35275426001	**4MW21**	EPA 7470	333017	EPA 7470	333075
35275426002	**4MW22**	EPA 7470	333017	EPA 7470	333075
35275426003	**4MW9**	EPA 7470	333017	EPA 7470	333075
35275426001	**4MW21**	EPA 8260	332850		
35275426002	**4MW22**	EPA 8260	332850		
35275426003	**4MW9**	EPA 8260	332850		
35275426004	**4MW22 BLANK**	EPA 8260	332850		
35275426005	**4MW9 BLANK**	EPA 8260	332850		

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WO# : 35275426

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-221

35275426

SAL Project No. _____

Client Name: Pasco Co Environmental Lab

Candia Mulhern 727-847-8902

Project Name / Location: Resource Recovery GWM

Samplers: (Signature) Marian Beard

Matrix Codes: DW-Drinking Water WW-Wastewater SW-SurfaceWater SL-Sludge SO-Soil GW-Groundwater SA-Saline Water O-Other R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	Metals, Na Fe, Hg, Na 125 ml P, HNO3	App. I. 250 ml P, HNO3	App I 40 ml V, HCL	App I 40 ml V, Cool	Trip Blank 40 ml V				No. of Containers (Total per each location)
	4MW 21	11-3-16	1110	GW		✓	1	1	3	3	0 *				
	4MW 22	11-3-16	1320	GW		✓	1	1	3	3					
	4MW 9	11-3-16	1525	GW		✓	1	1	3	3					
												Sent to S.A.L. 11/4/16			

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
Marian Beard	11-3-16 1730	Eri	11-3-16 1730
Relinquished:	Date/Time: 0800 11/4/16	Received: PACE	Date/Time: 0800 11/04/16
Relinquished: PACE	Date/Time: 0850 11/04/16	Received:	Date/Time: 11/4/16 1600
Relinquished:	Date/Time: 11/7/16 2000	Received: FCX	Date/Time: 11/7/16 2000
Relinquished:	Date/Time:	Received:	Date/Time: 11/08/16 0030

Seal intact? Y N N/A

Samples intact upon arrival? Y N N/A

Received on ice? Temp 3.8 Y N N/A

Proper preservatives indicated? Y N N/A

Rec'd within holding time? Y N N/A

Volatiles rec'd w/out headspace? Y N N/A

Proper containers used? Y N N/A

Temp 4°C T270

Instructions / Remarks

* Kit did not have a trip blank. MB

Chain of Custody

Chain of Custody.xls
Rev.Date 11/19/01

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: August 10, 2016
	Document No: F-FL-C-007 rev. 10	Issuing Authority: Pace Florida Quality Office

Sa **WO# : 35275426**

Project # PM: KN1 **Due Date: 11/18/16**

Project Manager CLIENT: PASCOU

Client:

Date and Initials of person:

Examining contents: _____

Label: _____

Deliver: _____

pH: BM

Thermometer Used: T270 Date: 11/8/16 Time: 0030 Initials: TCM

Samples shorted to lab (If Yes, complete) Shorted Date _____ Shorted Time _____ Qty. _____

Cooler #1 Temp.°C .1 (Visual) +.3 (Correction Factor) .4 (Actual) ☐ Samples on ice, cooling process has begun

Cooler #2 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun

Cooler #3 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun

Cooler #4 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun

Cooler #5 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun

Cooler #6 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun

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

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ Other _____

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals Intact: ☐ Yes ☐ No Ice: Wet Blue None

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

Comments:

Chain of Custody Present	☑ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☑ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☑ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☑ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☑ No ☐ N/A	
Sufficient Volume	☑ Yes ☐ No ☐ N/A	
Correct Containers Used	☑ Yes ☐ No ☐ N/A	
Containers Intact	☑ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked	☑ Yes ☐ No ☐ N/A	Preservation Information Preservative _____
All Containers needing preservation are found to be in compliance with EPA recommendation Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☑ Yes ☐ No ☐ N/A	Lot #/Trace # _____ Date _____ Time _____ Initials _____
Headspace in VOA Vials? (>6mm):	☐ Yes ☑ No ☐ N/A	
Trip Blank Present:	☑ Yes ☐ No ☐ N/A	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time _____

Comments/ Resolution (use back for additional comments): Sample #1 No trip Blank

Project Manager Review: _____ Date _____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

December 13, 2016

Ms. Candia E. Mulhern
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

RE: Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

Dear Ms. Mulhern:
Enclosed are the analytical results for sample(s) received by the laboratory on November 16, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Bo Garcia for
Kathryn Nordmark
kathryn.nordmark@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35277728001	**4MW-7**	Water	11/14/16 12:30	11/16/16 15:35
35277728002	**4MW-5**	Water	11/14/16 16:35	11/16/16 15:35
35277728003	**4MW-7 TRIP BLANK**	Water	11/14/16 00:01	11/16/16 15:35
35277728004	**4MW-5 TRIP BLANK**	Water	11/14/16 00:01	11/16/16 15:35

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SAMPLE ANALYTE COUNT

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35277728001	**4MW-7**	EPA 8011	SMH	2	PASI-O
		EPA 6010	RVK	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	RVK	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35277728002	**4MW-5**	EPA 8011	SMH	2	PASI-O
		EPA 6010	RVK	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	RVK	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35277728003	**4MW-7 TRIP BLANK**	EPA 8260	SK1	48	PASI-O
35277728004	**4MW-5 TRIP BLANK**	EPA 8260	SK1	48	PASI-O

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ANALYTICAL RESULTS

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

Sample: 4MW-7 **Lab ID: 35277728001** Collected: 11/14/16 12:30 Received: 11/16/16 15:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0046 U**	ug/L	0.019	0.0046	1	11/28/16 06:30	11/28/16 21:22	96-12-8	L3
1,2-Dibromoethane (EDB)	**0.0071 U**	ug/L	0.0095	0.0071	1	11/28/16 06:30	11/28/16 21:22	106-93-4	L3
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/27/16 00:40	11/30/16 11:43	7440-38-2	
Barium	**9.8 I**	ug/L	10.0	5.0	1	11/27/16 00:40	11/30/16 11:43	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/27/16 00:40	11/30/16 11:43	7440-41-7	
Cadmium	**0.63 I**	ug/L	1.0	0.50	1	11/27/16 00:40	11/30/16 11:43	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/27/16 00:40	11/30/16 11:43	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/27/16 00:40	11/30/16 11:43	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/27/16 00:40	11/30/16 11:43	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/27/16 00:40	11/30/16 11:43	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/27/16 00:40	11/30/16 11:43	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/27/16 00:40	11/30/16 11:43	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/27/16 00:40	11/30/16 11:43	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/27/16 00:40	11/30/16 11:43	7440-22-4	
Sodium	**5.5**	mg/L	1.0	0.50	1	11/27/16 00:40	11/30/16 11:43	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/27/16 00:40	11/30/16 11:43	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/27/16 00:40	11/30/16 11:43	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	12/02/16 06:53	12/06/16 15:43	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	12/02/16 06:53	12/06/16 15:43	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	12/01/16 07:44	12/02/16 13:18	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/23/16 18:04	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 18:04	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/23/16 18:04	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/23/16 18:04	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/23/16 18:04	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 18:04	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 18:04	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/23/16 18:04	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/23/16 18:04	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/23/16 18:04	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	95-50-1	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

Sample: 4MW-7 **Lab ID: 35277728001** Collected: 11/14/16 12:30 Received: 11/16/16 15:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 18:04	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/23/16 18:04	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/23/16 18:04	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 18:04	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/23/16 18:04	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/23/16 18:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 18:04	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/23/16 18:04	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/23/16 18:04	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/23/16 18:04	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:04	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/23/16 18:04	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	89-111		1		11/23/16 18:04	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	75-135		1		11/23/16 18:04	17060-07-0	
Toluene-d8 (S)	103	%	89-112		1		11/23/16 18:04	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

Sample: 4MW-5 **Lab ID: 35277728002** Collected: 11/14/16 16:35 Received: 11/16/16 15:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0047 U**	ug/L	0.019	0.0047	1	11/28/16 06:30	11/28/16 21:52	96-12-8	L3
1,2-Dibromoethane (EDB)	**0.0071 U**	ug/L	0.0095	0.0071	1	11/28/16 06:30	11/28/16 21:52	106-93-4	L3
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/27/16 00:40	11/30/16 11:47	7440-38-2	
Barium	**10.6**	ug/L	10.0	5.0	1	11/27/16 00:40	11/30/16 11:47	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/27/16 00:40	11/30/16 11:47	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/27/16 00:40	11/30/16 11:47	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/27/16 00:40	11/30/16 11:47	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/27/16 00:40	11/30/16 11:47	7440-48-4	
Copper	**4.5 I**	ug/L	5.0	2.5	1	11/27/16 00:40	11/30/16 11:47	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/27/16 00:40	11/30/16 11:47	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/27/16 00:40	11/30/16 11:47	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/27/16 00:40	11/30/16 11:47	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/27/16 00:40	11/30/16 11:47	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/27/16 00:40	11/30/16 11:47	7440-22-4	
Sodium	**26.9**	mg/L	1.0	0.50	1	11/27/16 00:40	11/30/16 11:47	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/27/16 00:40	11/30/16 11:47	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/27/16 00:40	11/30/16 11:47	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	12/02/16 06:53	12/06/16 15:46	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	12/02/16 06:53	12/06/16 15:46	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	12/01/16 07:44	12/02/16 13:20	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/23/16 18:56	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 18:56	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/23/16 18:56	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/23/16 18:56	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/23/16 18:56	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 18:56	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 18:56	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/23/16 18:56	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/23/16 18:56	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/23/16 18:56	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	95-50-1	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

Sample: 4MW-5 **Lab ID: 35277728002** Collected: 11/14/16 16:35 Received: 11/16/16 15:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 18:56	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/23/16 18:56	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/23/16 18:56	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 18:56	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/23/16 18:56	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/23/16 18:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 18:56	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/23/16 18:56	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/23/16 18:56	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/23/16 18:56	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 18:56	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/23/16 18:56	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	89-111		1		11/23/16 18:56	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	75-135		1		11/23/16 18:56	17060-07-0	
Toluene-d8 (S)	104	%	89-112		1		11/23/16 18:56	2037-26-5	

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

Sample: 4MW-7 TRIP BLANK **Lab ID: 35277728003** Collected: 11/14/16 00:01 Received: 11/16/16 15:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/23/16 16:27	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 16:27	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/23/16 16:27	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/23/16 16:27	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/23/16 16:27	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 16:27	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 16:27	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/23/16 16:27	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/23/16 16:27	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/23/16 16:27	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 16:27	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/23/16 16:27	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/23/16 16:27	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 16:27	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/23/16 16:27	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/23/16 16:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 16:27	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/23/16 16:27	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/23/16 16:27	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/23/16 16:27	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 16:27	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/23/16 16:27	1330-20-7	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

Sample: 4MW-7 TRIP BLANK **Lab ID: 35277728003** Collected: 11/14/16 00:01 Received: 11/16/16 15:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	102	%	89-111		1		11/23/16 16:27	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	75-135		1		11/23/16 16:27	17060-07-0	
Toluene-d8 (S)	102	%	89-112		1		11/23/16 16:27	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

Sample: 4MW-5 TRIP BLANK **Lab ID: 35277728004** Collected: 11/14/16 00:01 Received: 11/16/16 15:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/23/16 17:13	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 17:13	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/23/16 17:13	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/23/16 17:13	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/23/16 17:13	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 17:13	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 17:13	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/23/16 17:13	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/23/16 17:13	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/23/16 17:13	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 17:13	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/23/16 17:13	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/23/16 17:13	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 17:13	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/23/16 17:13	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/23/16 17:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/23/16 17:13	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/23/16 17:13	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/23/16 17:13	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/23/16 17:13	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/23/16 17:13	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/23/16 17:13	1330-20-7	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

Sample: 4MW-5 TRIP BLANK **Lab ID: 35277728004** Collected: 11/14/16 00:01 Received: 11/16/16 15:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	102	%	89-111		1		11/23/16 17:13	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	75-135		1		11/23/16 17:13	17060-07-0	
Toluene-d8 (S)	104	%	89-112		1		11/23/16 17:13	2037-26-5	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

QC Batch: 335566 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Associated Lab Samples: 35277728001, 35277728002

METHOD BLANK: 1796792 | Matrix: Water
Associated Lab Samples: 35277728001, 35277728002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	12/02/16 13:01	

LABORATORY CONTROL SAMPLE: 1796793

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1796794 1796795

Parameter	Units	35277536008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	1.9	2.0	97	100	75-125	4	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

QC Batch: 334669 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 35277728001, 35277728002

METHOD BLANK: 1792308 | Matrix: Water
Associated Lab Samples: 35277728001, 35277728002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	5.0	11/30/16 11:07	
Barium	ug/L	5.0 U	10.0	5.0	11/30/16 11:07	
Beryllium	ug/L	0.50 U	1.0	0.50	11/30/16 11:07	
Cadmium	ug/L	0.50 U	1.0	0.50	11/30/16 11:07	
Chromium	ug/L	2.5 U	5.0	2.5	11/30/16 11:07	
Cobalt	ug/L	5.0 U	10.0	5.0	11/30/16 11:07	
Copper	ug/L	2.5 U	5.0	2.5	11/30/16 11:07	
Iron	ug/L	20.0 U	40.0	20.0	11/30/16 11:07	
Lead	ug/L	5.0 U	10.0	5.0	11/30/16 11:07	
Nickel	ug/L	2.5 U	5.0	2.5	11/30/16 11:07	
Selenium	ug/L	7.5 U	15.0	7.5	11/30/16 11:07	
Silver	ug/L	2.5 U	5.0	2.5	11/30/16 11:07	
Sodium	mg/L	0.50 U	1.0	0.50	11/30/16 11:07	
Vanadium	ug/L	5.0 U	10.0	5.0	11/30/16 11:07	
Zinc	ug/L	10.0 U	20.0	10.0	11/30/16 11:07	

LABORATORY CONTROL SAMPLE: 1792309

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	511	102	80-120	
Barium	ug/L	500	507	101	80-120	
Beryllium	ug/L	50	52.8	106	80-120	
Cadmium	ug/L	50	53.0	106	80-120	
Chromium	ug/L	250	259	103	80-120	
Cobalt	ug/L	500	527	105	80-120	
Copper	ug/L	250	247	99	80-120	
Iron	ug/L	2000	2110	105	80-120	
Lead	ug/L	500	529	106	80-120	
Nickel	ug/L	250	266	106	80-120	
Selenium	ug/L	750	822	110	80-120	
Silver	ug/L	250	237	95	80-120	
Sodium	mg/L	50	52.4	105	80-120	
Vanadium	ug/L	500	514	103	80-120	
Zinc	ug/L	1000	1070	107	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1792310 1792311

Parameter	Units	35277754004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	0.011 mg/L	1000	1000	1090	1080	108	107	75-125	1	20	
Barium	ug/L	20.7	1000	1000	1080	1070	106	105	75-125	1	20	
Beryllium	ug/L	0.50 U	100	100	106	106	105	105	75-125	0	20	
Cadmium	ug/L	0.00050 U mg/L	100	100	105	104	105	104	75-125	1	20	
Chromium	ug/L	0.015 mg/L	500	500	560	554	109	108	75-125	1	20	
Cobalt	ug/L	5.0 U	1000	1000	1070	1060	107	106	75-125	1	20	
Copper	ug/L	2.5 U	500	500	545	550	109	110	75-125	1	20	
Iron	ug/L	0.50 mg/L	4000	4000	4770	4740	107	106	75-125	1	20	
Lead	ug/L	0.0050 U mg/L	1000	1000	1060	1040	106	104	75-125	2	20	
Nickel	ug/L	0.0035 I mg/L	500	500	536	529	106	105	75-125	1	20	
Selenium	ug/L	7.5 U	1500	1500	1250	1310	83	87	75-125	5	20	
Silver	ug/L	2.5 U	500	500	513	511	102	102	75-125	0	20	
Sodium	mg/L	162	100	100	277	280	115	118	75-125	1	20	
Vanadium	ug/L	12.1	1000	1000	1070	1080	106	106	75-125	0	20	
Zinc	ug/L	0.010 U mg/L	2000	2000	2200	2170	110	108	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

QC Batch: 335858 | Analysis Method: EPA 6020
QC Batch Method: EPA 3010 | Analysis Description: 6020 MET
Associated Lab Samples: 35277728001, 35277728002

METHOD BLANK: 1798405 | Matrix: Water
Associated Lab Samples: 35277728001, 35277728002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	12/06/16 15:18	
Thallium	ug/L	0.50 U	1.0	0.50	12/06/16 15:18	

LABORATORY CONTROL SAMPLE: 1798406

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.1	98	80-120	
Thallium	ug/L	50	49.5	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1798407 1798408

Parameter	Units	35277728001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	48.2	45.2	96	90	75-125	6	20	
Thallium	ug/L	0.50 U	50	50	50.0	46.8	100	93	75-125	7	20	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

QC Batch: 334501 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35277728001, 35277728002, 35277728003, 35277728004

METHOD BLANK: 1791153 Matrix: Water
Associated Lab Samples: 35277728001, 35277728002, 35277728003, 35277728004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/23/16 16:00	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/23/16 16:00	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/23/16 16:00	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/23/16 16:00	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/23/16 16:00	
Acetone	ug/L	10.0 U	20.0	10.0	11/23/16 16:00	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/23/16 16:00	
Benzene	ug/L	0.10 U	1.0	0.10	11/23/16 16:00	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/23/16 16:00	
Bromoform	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
Bromomethane	ug/L	0.50 U	5.0	0.50	11/23/16 16:00	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/23/16 16:00	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
Chloroethane	ug/L	0.50 U	10.0	0.50	11/23/16 16:00	
Chloroform	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/23/16 16:00	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/23/16 16:00	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/23/16 16:00	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/23/16 16:00	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/23/16 16:00	
Styrene	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
Toluene	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/23/16 16:00	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/23/16 16:00	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

METHOD BLANK: 1791153 Matrix: Water
Associated Lab Samples: 35277728001, 35277728002, 35277728003, 35277728004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/23/16 16:00	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/23/16 16:00	
Xylene (Total)	ug/L	1.5 U	3.0	1.5	11/23/16 16:00	
1,2-Dichloroethane-d4 (S)	%	101	75-135		11/23/16 16:00	
4-Bromofluorobenzene (S)	%	102	89-111		11/23/16 16:00	
Toluene-d8 (S)	%	101	89-112		11/23/16 16:00	

LABORATORY CONTROL SAMPLE: 1791154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.2	96	70-130	
1,1,1-Trichloroethane	ug/L	20	18.8	94	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.0	100	70-130	
1,1,2-Trichloroethane	ug/L	20	20.6	103	70-130	
1,1-Dichloroethane	ug/L	20	19.3	96	70-130	
1,1-Dichloroethene	ug/L	20	18.8	94	65-134	
1,2,3-Trichloropropane	ug/L	20	20.6	103	65-135	
1,2-Dichlorobenzene	ug/L	20	19.6	98	70-130	
1,2-Dichloroethane	ug/L	20	19.9	99	70-130	
1,2-Dichloropropane	ug/L	20	19.1	95	70-130	
1,4-Dichlorobenzene	ug/L	20	18.7	94	70-130	
2-Butanone (MEK)	ug/L	40	43.4	109	61-129	
2-Hexanone	ug/L	40	43.1	108	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	39.2	98	70-130	
Acetone	ug/L	40	39.3	98	44-155	
Acrylonitrile	ug/L	200	216	108	59-138	
Benzene	ug/L	20	19.4	97	70-130	
Bromochloromethane	ug/L	20	18.7	93	70-130	
Bromodichloromethane	ug/L	20	18.9	94	70-130	
Bromoform	ug/L	20	17.6	88	62-129	
Bromomethane	ug/L	20	22.0	110	10-179	
Carbon disulfide	ug/L	20	19.5	98	40-156	
Carbon tetrachloride	ug/L	20	18.2	91	66-127	
Chlorobenzene	ug/L	20	19.2	96	70-130	
Chloroethane	ug/L	20	19.2	96	57-142	
Chloroform	ug/L	20	19.1	96	70-130	
Chloromethane	ug/L	20	21.3	107	45-150	
cis-1,2-Dichloroethene	ug/L	20	19.9	99	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.8	94	70-130	
Dibromochloromethane	ug/L	20	18.9	94	70-130	
Dibromomethane	ug/L	20	19.8	99	70-130	
Ethylbenzene	ug/L	20	19.2	96	70-130	
Iodomethane	ug/L	40	35.2	88	21-150	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

LABORATORY CONTROL SAMPLE: 1791154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	20.4	102	65-127	
Styrene	ug/L	20	19.1	95	70-130	
Tetrachloroethene	ug/L	20	20.0	100	48-155	
Toluene	ug/L	20	20.4	102	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.3	97	68-126	
trans-1,3-Dichloropropene	ug/L	20	18.3	91	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	18.6	93	46-138	
Trichloroethene	ug/L	20	18.7	94	69-129	
Trichlorofluoromethane	ug/L	20	19.8	99	60-144	
Vinyl acetate	ug/L	20	20.2	101	70-130	
Vinyl chloride	ug/L	20	20.2	101	67-136	
Xylene (Total)	ug/L	60	57.6	96	70-130	
1,2-Dichloroethane-d4 (S)	%			98	75-135	
4-Bromofluorobenzene (S)	%			103	89-111	
Toluene-d8 (S)	%			98	89-112	

MATRIX SPIKE SAMPLE: 1792786

Parameter	Units	35277728002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	19.3	96	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	21.2	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	19.4	97	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	20.4	102	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	20.5	102	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	21.5	108	65-134	
1,2,3-Trichloropropane	ug/L	0.59 U	20	21.4	107	65-135	
1,2-Dichlorobenzene	ug/L	0.50 U	20	20.5	102	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	20.1	101	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	20.6	103	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	20.2	101	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	34.7	87	61-129	
2-Hexanone	ug/L	5.0 U	40	29.0	73	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	30.2	76	70-130	
Acetone	ug/L	10.0 U	40	27.2	68	44-155	
Acrylonitrile	ug/L	5.0 U	200	187	94	59-138	
Benzene	ug/L	0.10 U	20	20.7	103	70-130	
Bromochloromethane	ug/L	0.50 U	20	20.2	101	70-130	
Bromodichloromethane	ug/L	0.27 U	20	19.6	98	70-130	
Bromoform	ug/L	0.50 U	20	16.8	84	62-129	
Bromomethane	ug/L	0.50 U	20	24.2	121	10-179	
Carbon disulfide	ug/L	5.0 U	20	18.5	91	40-156	
Carbon tetrachloride	ug/L	0.50 U	20	19.9	99	66-127	
Chlorobenzene	ug/L	0.50 U	20	19.7	99	70-130	
Chloroethane	ug/L	0.50 U	20	21.3	106	57-142	
Chloroform	ug/L	0.50 U	20	21.6	108	70-130	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

MATRIX SPIKE SAMPLE: 1792786

Parameter	Units	35277728002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	23.7	118	45-150	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	21.0	105	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	18.5	92	70-130	
Dibromochloromethane	ug/L	0.26 U	20	19.6	98	70-130	
Dibromomethane	ug/L	0.50 U	20	20.5	103	70-130	
Ethylbenzene	ug/L	0.50 U	20	20.3	101	70-130	
Iodomethane	ug/L	0.50 U	40	38.7	97	21-150	
Methylene Chloride	ug/L	2.5 U	20	19.9	100	65-127	
Styrene	ug/L	0.50 U	20	19.7	98	70-130	
Tetrachloroethene	ug/L	0.50 U	20	19.1	96	48-155	
Toluene	ug/L	0.50 U	20	21.1	105	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	21.5	107	68-126	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	18.1	90	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	12.3	61	46-138	
Trichloroethene	ug/L	0.50 U	20	20.9	105	69-129	
Trichlorofluoromethane	ug/L	0.50 U	20	22.4	112	60-144	
Vinyl acetate	ug/L	1.0 U	20	17.3	86	70-130	
Vinyl chloride	ug/L	0.50 U	20	23.8	117	67-136	
Xylene (Total)	ug/L	1.5 U	60	61.1	102	70-130	
1,2-Dichloroethane-d4 (S)	%				96	75-135	
4-Bromofluorobenzene (S)	%				105	89-111	
Toluene-d8 (S)	%				98	89-112	

SAMPLE DUPLICATE: 1792785

Parameter	Units	35277728001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

SAMPLE DUPLICATE: 1792785

Parameter	Units	35277728001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	1.5 U	1.5 U		40	
1,2-Dichloroethane-d4 (S)	%	103	102	0	40	
4-Bromofluorobenzene (S)	%	99	101	2	40	
Toluene-d8 (S)	%	103	105	2	40	

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

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

QC Batch: 334560 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35277728001, 35277728002

METHOD BLANK: 1791723 | Matrix: Water
Associated Lab Samples: 35277728001, 35277728002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	11/28/16 20:51	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	11/28/16 20:51	

LABORATORY CONTROL SAMPLE: 1791724

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.54	216	60-140	J(L0)
1,2-Dibromoethane (EDB)	ug/L	.25	0.48	192	60-140	J(L0)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1792568 1792569

Parameter	Units	35278600001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0047 U	.44	.44	0.74	0.78	170	178	60-140	5	40	J(M0)
1,2-Dibromoethane (EDB)	ug/L	0.0072 U	.44	.44	0.77	0.79	176	181	60-140	3	40	J(M0)

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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QUALIFIERS

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

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 adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

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.

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(L0)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
J(M0)	Estimated Value. Matrix spike recovery was outside laboratory control limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277728

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35277728001	**4MW-7**	EPA 8011	334560	EPA 8011	334912
35277728002	**4MW-5**	EPA 8011	334560	EPA 8011	334912
35277728001	**4MW-7**	EPA 3010	334669	EPA 6010	334716
35277728002	**4MW-5**	EPA 3010	334669	EPA 6010	334716
35277728001	**4MW-7**	EPA 3010	335858	EPA 6020	335994
35277728002	**4MW-5**	EPA 3010	335858	EPA 6020	335994
35277728001	**4MW-7**	EPA 7470	335566	EPA 7470	335688
35277728002	**4MW-5**	EPA 7470	335566	EPA 7470	335688
35277728001	**4MW-7**	EPA 8260	334501		
35277728002	**4MW-5**	EPA 8260	334501		
35277728003	**4MW-7 TRIP BLANK**	EPA 8260	334501		
35277728004	**4MW-5 TRIP BLANK**	EPA 8260	334501		

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WO#: 35277728

35277728

ICAL LABORATORIES, INC.

R, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. _____

Pasco Co Environmental Lab

Contact / Phone: Candia Mulhern 727-847-8902

Resource Recovery GWM - Nov '16

Samplers: (Signature) Marian Beard

Matrix Codes:
DW-Drinking Water WW-Wastewater
SW-SurfaceWater SL-Sludge SO-Soil
GW-Groundwater SA-Saline Water O-Other
R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	Metals Fe, Hg, Na 125 ml P, HNO_3	App. I 250 ml P, HNO_3	App. I 40 ml V, Col	App I 40 ml V, HCL	Trip Blank 40 ml V				No. of Containers (Total per each location)
	4MW-7	11-14-16	1230	GW		✓	✓	✓	3	3	✓				9
	~~2MW MB~~														
	4MW-5	11-14-16	1635	GW		✓	✓	✓	3	3	✓				9
											Sent to SAL 11/16/16				

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
Marian Beard	11-14-16 1730	[signature]	11-14-16 1730
Relinquished: [signature]	Date/Time: 1150 11-16-16	Received: [signature]	Date/Time: 1150 11-16-16
Relinquished: [signature] (Pace)	Date/Time: 1535 11-16-16	Received: [signature] PACE	Date/Time: 1535 11-16-16
Relinquished:	Date/Time:	Received: [signature] T-264	Date/Time: 11/16/16 2355
Relinquished:	Date/Time:	Received:	Date/Time:

Seal intact? Y N (N/A)
Samples intact upon arrival? (Y) N N/A
Received on ice? Temp 1.4 (Y) N N/A
Proper preservatives indicated? (Y) N N/A
Rec'd within holding time? (Y) N N/A
Volatiles rec'd w/out headspace? (Y) N N/A
Proper containers used? (Y) N N/A

Instructions / Remarks

Chain of Custody.xls
Rev.Date 11/18/01

Chain of Custody

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: August 10, 2016
	Document No.: F-FL-C-007 rev. 10	Issuing Authority: Pace Florida Quality Office

Samp WO#: 35277728

Project # PM: KN1 Due Date: 12/02/16

Project Manager: CLIENT: PASCOU

Client:

Date and Initials of person:
Examining contents:
Label:
Deliver: K.P.
pH:

Thermometer Used: T-269 Date: 11/16/16 Time: 2355 Initials: AP

Samples shorted to lab (If Yes, complete) Shorted Date: Shorted Time: Qty:

Cooler #1 Temp.°C 1.2 **(Visual)** +0.2 **(Correction Factor)** 1.4 **(Actual)** ☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C **(Visual)** **(Correction Factor)** **(Actual)** ☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C **(Visual)** **(Correction Factor)** **(Actual)** ☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C **(Visual)** **(Correction Factor)** **(Actual)** ☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C **(Visual)** **(Correction Factor)** **(Actual)** ☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C **(Visual)** **(Correction Factor)** **(Actual)** ☐ Samples on ice, cooling process has begun

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

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ Other

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Unknown

Tracking #

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals intact:** ☐ Yes ☑ No **Ice:** Wet Blue None

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

		Comments:
Chain of Custody Present	☑Yes ☐ No ☐N/A	
Chain of Custody Filled Out	☑Yes ☐ No ☐N/A	
Relinquished Signature & Sampler Name COC	☑Yes ☐ No ☐N/A	
Samples Arrived within Hold Time	☑Yes ☐ No ☐N/A	
Rush TAT requested on COC	☐Yes ☑ No ☐N/A	
Sufficient Volume	☑Yes ☐ No ☐N/A	
Correct Containers Used	☑Yes ☐ No ☐N/A	
Containers Intact	☑Yes ☐ No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑Yes ☐ No ☐N/A	
All containers needing acid/base preservation have been checked.	☑Yes ☐ No ☐N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☑Yes ☐ No ☐N/A	Preservative: Lot #/Trace #: Date: Time: Initials:
Headspace in VOA Vials? (>6mm):	☐Yes ☑ No ☐N/A	
Trip Blank Present:	☑Yes ☐ No ☐N/A	

Client Notification/ Resolution:

Person Contacted: Date/Time: 11/17/16

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

December 13, 2016

Ms. Candia E. Mulhern
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

RE: Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277729

Dear Ms. Mulhern:
Enclosed are the analytical results for sample(s) received by the laboratory on November 16, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Bo Garcia for
Kathryn Nordmark
kathryn.nordmark@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277729

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277729

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35277729001	**4MW-27D**	Water	11/15/16 15:00	11/16/16 15:35

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SAMPLE ANALYTE COUNT

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277729

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35277729001	**4MW-27D**	EPA 8011	SMH	2	PASI-O
		EPA 6010	RVK	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	RVK	1	PASI-O
		EPA 8260	SK1	48	PASI-O

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ANALYTICAL RESULTS

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277729

Sample: 4MW-27D **Lab ID: 35277729001** Collected: 11/15/16 15:00 Received: 11/16/16 15:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0047 U**	ug/L	0.019	0.0047	1	11/28/16 06:30	11/28/16 22:07	96-12-8	L3
1,2-Dibromoethane (EDB)	**0.0072 U**	ug/L	0.0096	0.0072	1	11/28/16 06:30	11/28/16 22:07	106-93-4	L3
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/27/16 00:40	11/30/16 11:52	7440-38-2	
Barium	**10.5**	ug/L	10.0	5.0	1	11/27/16 00:40	11/30/16 11:52	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/27/16 00:40	11/30/16 11:52	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/27/16 00:40	11/30/16 11:52	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/27/16 00:40	11/30/16 11:52	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/27/16 00:40	11/30/16 11:52	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/27/16 00:40	11/30/16 11:52	7440-50-8	
Iron	**74.7**	ug/L	40.0	20.0	1	11/27/16 00:40	11/30/16 11:52	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/27/16 00:40	11/30/16 11:52	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/27/16 00:40	11/30/16 11:52	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/27/16 00:40	11/30/16 11:52	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/27/16 00:40	11/30/16 11:52	7440-22-4	
Sodium	**3.8**	mg/L	1.0	0.50	1	11/27/16 00:40	11/30/16 11:52	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/27/16 00:40	11/30/16 11:52	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/27/16 00:40	11/30/16 11:52	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	12/02/16 06:53	12/06/16 15:50	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	12/02/16 06:53	12/06/16 15:50	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	12/01/16 07:44	12/02/16 13:26	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/26/16 14:12	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/26/16 14:12	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/26/16 14:12	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/26/16 14:12	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/26/16 14:12	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/16 14:12	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/26/16 14:12	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/26/16 14:12	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/26/16 14:12	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/26/16 14:12	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	95-50-1	

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ANALYTICAL RESULTS

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277729

Sample: 4MW-27D **Lab ID: 35277729001** Collected: 11/15/16 15:00 Received: 11/16/16 15:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/26/16 14:12	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/16 14:12	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/16 14:12	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/26/16 14:12	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/26/16 14:12	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/26/16 14:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/16 14:12	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/26/16 14:12	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/26/16 14:12	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/26/16 14:12	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/16 14:12	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/26/16 14:12	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	89-111		1		11/26/16 14:12	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	75-135		1		11/26/16 14:12	17060-07-0	
Toluene-d8 (S)	100	%	89-112		1		11/26/16 14:12	2037-26-5	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277729

QC Batch: 335566 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Associated Lab Samples: 35277729001

METHOD BLANK: 1796792 | Matrix: Water
Associated Lab Samples: 35277729001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	12/02/16 13:01	

LABORATORY CONTROL SAMPLE: 1796793

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1796794 1796795

Parameter	Units	35277536008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	1.9	2.0	97	100	75-125	4	20	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277729

QC Batch: 334669 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 35277729001

METHOD BLANK: 1792308 | Matrix: Water
Associated Lab Samples: 35277729001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	5.0	11/30/16 11:07	
Barium	ug/L	5.0 U	10.0	5.0	11/30/16 11:07	
Beryllium	ug/L	0.50 U	1.0	0.50	11/30/16 11:07	
Cadmium	ug/L	0.50 U	1.0	0.50	11/30/16 11:07	
Chromium	ug/L	2.5 U	5.0	2.5	11/30/16 11:07	
Cobalt	ug/L	5.0 U	10.0	5.0	11/30/16 11:07	
Copper	ug/L	2.5 U	5.0	2.5	11/30/16 11:07	
Iron	ug/L	20.0 U	40.0	20.0	11/30/16 11:07	
Lead	ug/L	5.0 U	10.0	5.0	11/30/16 11:07	
Nickel	ug/L	2.5 U	5.0	2.5	11/30/16 11:07	
Selenium	ug/L	7.5 U	15.0	7.5	11/30/16 11:07	
Silver	ug/L	2.5 U	5.0	2.5	11/30/16 11:07	
Sodium	mg/L	0.50 U	1.0	0.50	11/30/16 11:07	
Vanadium	ug/L	5.0 U	10.0	5.0	11/30/16 11:07	
Zinc	ug/L	10.0 U	20.0	10.0	11/30/16 11:07	

LABORATORY CONTROL SAMPLE: 1792309

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	511	102	80-120	
Barium	ug/L	500	507	101	80-120	
Beryllium	ug/L	50	52.8	106	80-120	
Cadmium	ug/L	50	53.0	106	80-120	
Chromium	ug/L	250	259	103	80-120	
Cobalt	ug/L	500	527	105	80-120	
Copper	ug/L	250	247	99	80-120	
Iron	ug/L	2000	2110	105	80-120	
Lead	ug/L	500	529	106	80-120	
Nickel	ug/L	250	266	106	80-120	
Selenium	ug/L	750	822	110	80-120	
Silver	ug/L	250	237	95	80-120	
Sodium	mg/L	50	52.4	105	80-120	
Vanadium	ug/L	500	514	103	80-120	
Zinc	ug/L	1000	1070	107	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277729

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1792310 1792311

Parameter	Units	35277754004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	0.011 mg/L	1000	1000	1090	1080	108	107	75-125	1	20	
Barium	ug/L	20.7	1000	1000	1080	1070	106	105	75-125	1	20	
Beryllium	ug/L	0.50 U	100	100	106	106	105	105	75-125	0	20	
Cadmium	ug/L	0.00050 U mg/L	100	100	105	104	105	104	75-125	1	20	
Chromium	ug/L	0.015 mg/L	500	500	560	554	109	108	75-125	1	20	
Cobalt	ug/L	5.0 U	1000	1000	1070	1060	107	106	75-125	1	20	
Copper	ug/L	2.5 U	500	500	545	550	109	110	75-125	1	20	
Iron	ug/L	0.50 mg/L	4000	4000	4770	4740	107	106	75-125	1	20	
Lead	ug/L	0.0050 U mg/L	1000	1000	1060	1040	106	104	75-125	2	20	
Nickel	ug/L	0.0035 I mg/L	500	500	536	529	106	105	75-125	1	20	
Selenium	ug/L	7.5 U	1500	1500	1250	1310	83	87	75-125	5	20	
Silver	ug/L	2.5 U	500	500	513	511	102	102	75-125	0	20	
Sodium	mg/L	162	100	100	277	280	115	118	75-125	1	20	
Vanadium	ug/L	12.1	1000	1000	1070	1080	106	106	75-125	0	20	
Zinc	ug/L	0.010 U mg/L	2000	2000	2200	2170	110	108	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277729

QC Batch: 335858 | Analysis Method: EPA 6020
QC Batch Method: EPA 3010 | Analysis Description: 6020 MET
Associated Lab Samples: 35277729001

METHOD BLANK: 1798405 | Matrix: Water
Associated Lab Samples: 35277729001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	12/06/16 15:18	
Thallium	ug/L	0.50 U	1.0	0.50	12/06/16 15:18	

LABORATORY CONTROL SAMPLE: 1798406

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.1	98	80-120	
Thallium	ug/L	50	49.5	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1798407 1798408

Parameter	Units	35277728001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	48.2	45.2	96	90	75-125	6	20	
Thallium	ug/L	0.50 U	50	50	50.0	46.8	100	93	75-125	7	20	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277729

QC Batch: 334516 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 35277729001

METHOD BLANK: 1791266 | Matrix: Water
Associated Lab Samples: 35277729001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/26/16 10:06	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/26/16 10:06	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/26/16 10:06	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/26/16 10:06	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/26/16 10:06	
Acetone	ug/L	10.0 U	20.0	10.0	11/26/16 10:06	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/26/16 10:06	
Benzene	ug/L	0.10 U	1.0	0.10	11/26/16 10:06	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/26/16 10:06	
Bromoform	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
Bromomethane	ug/L	0.50 U	5.0	0.50	11/26/16 10:06	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/26/16 10:06	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
Chloroethane	ug/L	0.50 U	10.0	0.50	11/26/16 10:06	
Chloroform	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/26/16 10:06	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/26/16 10:06	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/26/16 10:06	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/26/16 10:06	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/26/16 10:06	
Styrene	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
Toluene	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/26/16 10:06	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/26/16 10:06	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277729

METHOD BLANK: 1791266 Matrix: Water
Associated Lab Samples: 35277729001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/26/16 10:06	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/26/16 10:06	
Xylene (Total)	ug/L	1.5 U	3.0	1.5	11/26/16 10:06	
1,2-Dichloroethane-d4 (S)	%	97	75-135		11/26/16 10:06	
4-Bromofluorobenzene (S)	%	100	89-111		11/26/16 10:06	
Toluene-d8 (S)	%	98	89-112		11/26/16 10:06	

LABORATORY CONTROL SAMPLE: 1791267

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.1	106	70-130	
1,1,1-Trichloroethane	ug/L	20	20.6	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.7	99	70-130	
1,1,2-Trichloroethane	ug/L	20	20.7	103	70-130	
1,1-Dichloroethane	ug/L	20	20.2	101	70-130	
1,1-Dichloroethene	ug/L	20	19.9	99	65-134	
1,2,3-Trichloropropane	ug/L	20	20.3	101	65-135	
1,2-Dichlorobenzene	ug/L	20	20.8	104	70-130	
1,2-Dichloroethane	ug/L	20	19.8	99	70-130	
1,2-Dichloropropane	ug/L	20	20.1	101	70-130	
1,4-Dichlorobenzene	ug/L	20	21.1	106	70-130	
2-Butanone (MEK)	ug/L	40	35.8	90	61-129	
2-Hexanone	ug/L	40	38.1	95	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	39.9	100	70-130	
Acetone	ug/L	40	36.5	91	44-155	
Acrylonitrile	ug/L	200	187	94	59-138	
Benzene	ug/L	20	20.0	100	70-130	
Bromochloromethane	ug/L	20	20.3	102	70-130	
Bromodichloromethane	ug/L	20	19.8	99	70-130	
Bromoform	ug/L	20	21.7	108	62-129	
Bromomethane	ug/L	20	22.9	114	10-179	
Carbon disulfide	ug/L	20	21.0	105	40-156	
Carbon tetrachloride	ug/L	20	20.4	102	66-127	
Chlorobenzene	ug/L	20	21.3	107	70-130	
Chloroethane	ug/L	20	17.6	88	57-142	
Chloroform	ug/L	20	20.4	102	70-130	
Chloromethane	ug/L	20	20.8	104	45-150	
cis-1,2-Dichloroethene	ug/L	20	19.6	98	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.1	100	70-130	
Dibromochloromethane	ug/L	20	21.6	108	70-130	
Dibromomethane	ug/L	20	20.2	101	70-130	
Ethylbenzene	ug/L	20	20.7	103	70-130	
Iodomethane	ug/L	40	48.1	120	21-150	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277729

LABORATORY CONTROL SAMPLE: 1791267

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	20.6	103	65-127	
Styrene	ug/L	20	21.3	107	70-130	
Tetrachloroethene	ug/L	20	21.4	107	48-155	
Toluene	ug/L	20	21.4	107	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.6	103	68-126	
trans-1,3-Dichloropropene	ug/L	20	22.5	112	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	27.4	137	46-138	
Trichloroethene	ug/L	20	20.5	102	69-129	
Trichlorofluoromethane	ug/L	20	19.7	99	60-144	
Vinyl acetate	ug/L	20	19.0	95	70-130	
Vinyl chloride	ug/L	20	20.6	103	67-136	
Xylene (Total)	ug/L	60	61.0	102	70-130	
1,2-Dichloroethane-d4 (S)	%			99	75-135	
4-Bromofluorobenzene (S)	%			104	89-111	
Toluene-d8 (S)	%			99	89-112	

MATRIX SPIKE SAMPLE: 1793250

Parameter	Units	35277961008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	19.2	96	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	19.5	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	20.1	100	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	19.4	97	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	19.5	98	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	20.2	101	65-134	
1,2,3-Trichloropropane	ug/L	0.59 U	20	21.0	105	65-135	
1,2-Dichlorobenzene	ug/L	0.50 U	20	19.4	97	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	18.4	92	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	19.4	97	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	19.8	99	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	39.1	98	61-129	
2-Hexanone	ug/L	5.0 U	40	40.0	100	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	39.9	100	70-130	
Acetone	ug/L	10.0 U	40	38.7	97	44-155	
Acrylonitrile	ug/L	5.0 U	200	188	94	59-138	
Benzene	ug/L	0.10 U	20	19.1	96	70-130	
Bromochloromethane	ug/L	0.50 U	20	18.8	94	70-130	
Bromodichloromethane	ug/L	0.27 U	20	18.9	94	70-130	
Bromoform	ug/L	0.50 U	20	19.2	96	62-129	
Bromomethane	ug/L	0.50 U	20	18.5	92	10-179	
Carbon disulfide	ug/L	5.0 U	20	20.0	99	40-156	
Carbon tetrachloride	ug/L	0.50 U	20	19.2	96	66-127	
Chlorobenzene	ug/L	0.50 U	20	20.2	100	70-130	
Chloroethane	ug/L	0.50 U	20	15.2	76	57-142	
Chloroform	ug/L	0.50 U	20	19.4	97	70-130	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277729

MATRIX SPIKE SAMPLE: 1793250

Parameter	Units	35277961008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	20.1	101	45-150	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	19.1	95	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	17.3	86	70-130	
Dibromochloromethane	ug/L	0.26 U	20	19.8	99	70-130	
Dibromomethane	ug/L	0.50 U	20	18.9	95	70-130	
Ethylbenzene	ug/L	0.50 U	20	19.7	98	70-130	
Iodomethane	ug/L	0.50 U	40	34.8	87	21-150	
Methylene Chloride	ug/L	2.5 U	20	18.1	89	65-127	
Styrene	ug/L	0.50 U	20	19.5	98	70-130	
Tetrachloroethene	ug/L	0.50 U	20	18.1	90	48-155	
Toluene	ug/L	0.50 U	20	20.5	102	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	19.0	95	68-126	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	19.0	95	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	16.3	81	46-138	
Trichloroethene	ug/L	0.50 U	20	19.6	98	69-129	
Trichlorofluoromethane	ug/L	0.50 U	20	21.1	106	60-144	
Vinyl acetate	ug/L	1.0 U	20	10.3	52	70-130	J(M1)
Vinyl chloride	ug/L	0.50 U	20	24.2	121	67-136	
Xylene (Total)	ug/L	1.5 U	60	57.2	95	70-130	
1,2-Dichloroethane-d4 (S)	%				101	75-135	
4-Bromofluorobenzene (S)	%				100	89-111	
Toluene-d8 (S)	%				99	89-112	

SAMPLE DUPLICATE: 1793249

Parameter	Units	35277961006 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	

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REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277729

SAMPLE DUPLICATE: 1793249

Parameter	Units	35277961006 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	1.5 U	1.5 U		40	
1,2-Dichloroethane-d4 (S)	%	100	100	0	40	
4-Bromofluorobenzene (S)	%	101	99	2	40	
Toluene-d8 (S)	%	99	99	0	40	

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QUALITY CONTROL DATA

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277729

QC Batch: 334560 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35277729001

METHOD BLANK: 1791723 | Matrix: Water
Associated Lab Samples: 35277729001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	11/28/16 20:51	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	11/28/16 20:51	

LABORATORY CONTROL SAMPLE: 1791724

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.54	216	60-140	J(L0)
1,2-Dibromoethane (EDB)	ug/L	.25	0.48	192	60-140	J(L0)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1792568 1792569

Parameter	Units	35278600001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0047 U	.44	.44	0.74	0.78	170	178	60-140	5	40	J(M0)
1,2-Dibromoethane (EDB)	ug/L	0.0072 U	.44	.44	0.77	0.79	176	181	60-140	3	40	J(M0)

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QUALIFIERS

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277729

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 adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

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.

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(L0)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
J(M0)	Estimated Value. Matrix spike recovery was outside laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery GWM-Nov '16
Pace Project No.: 35277729

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35277729001	**4MW-27D**	EPA 8011	334560	EPA 8011	334912
35277729001	**4MW-27D**	EPA 3010	334669	EPA 6010	334716
35277729001	**4MW-27D**	EPA 3010	335858	EPA 6020	335994
35277729001	**4MW-27D**	EPA 7470	335566	EPA 7470	335688
35277729001	**4MW-27D**	EPA 8260	334516		

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WO#: 35277729

35277729

TICAL LABORATORIES, INC.

MAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. _____

Pasco Co Environmental Lab

Contact / Phone: Candia Mulhern 727-847-8902

Resource Recovery GWM Nov. '16

Samplers: (Signature) Marian A Beard

Matrix Codes:
DW-Drinking Water WW-Wastewater
SW-SurfaceWater SL-Sludge SO-Soil
GW-Groundwater SA-Saline Water O-Other
R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	Metals Fe, Hg, Na 125ml P HNO3	App. I. 250ml P HNO3	App I 40ml V	App I 40ml V HCL	(No trip Blank)				No. of Containers (Total per each location)
	4MW-27D	11-15-16	1500	GW		✓	✓	✓	3	3	0				8

Sent to S.A.L. 11/16/16

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
Marian Beard	11-15-16 1715		11-15-16 1715
Relinquished:	Date/Time:	Received:	Date/Time:
	1150 11-16-16		1150 11-16-16
Relinquished: (Pace)	Date/Time: 1535 11-16-16	Received: DALE	Date/Time: 1535 11-16-16
Relinquished:	Date/Time:	Received: T-269	Date/Time: 11/16/16 2355
Relinquished:	Date/Time:	Received:	Date/Time:

Seal intact? Y N N/A
Samples intact upon arrival? Y N N/A
Received on ice? Temp_____ Y N N/A
Proper preservatives indicated? Y N N/A
Rec'd within holding time? Y N N/A
Volatiles rec'd w/out headspace? Y N N/A
Proper containers used? Y N N/A

Instructions / Remarks

Chain of Custody.xls
Rev.Date 11/18/01

Chain of Custody

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: August 10, 2016
	Document No.: F-FL-C-007 rev. 10	Issuing Authority: Pace Florida Quality Office

Sam WO#: 35277729

Project # PM: KN1 Due Date: 12/02/16

Project Manager: CLIENT: PASCOU

Client:

Date and Initials of person:

Examining contents:_____

Label:_____

Deliver: K.P.

pH:_____

Thermometer Used: Y-269 Date: 11/16/16 Time: 2355 Initials: AP

Samples shorted to lab (If Yes, complete) Shorted Date:_____ Shorted Time:_____ Qty:_____

Cooler #1 Temp.°C 1.2 **(Visual)** +0.2 **(Correction Factor)** 1.4 **(Actual)** ☐ Samples on ice, cooling process has begun

Cooler #2 Temp.°C_____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐ Samples on ice, cooling process has begun

Cooler #3 Temp.°C_____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐ Samples on ice, cooling process has begun

Cooler #4 Temp.°C_____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐ Samples on ice, cooling process has begun

Cooler #5 Temp.°C_____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐ Samples on ice, cooling process has begun

Cooler #6 Temp.°C_____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐ Samples on ice, cooling process has begun

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace ☐ Other_____

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ Other_____

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals intact:** ☐ Yes ☑ No **Ice:** (Wet) Blue None

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☑ Other 2L

				Comments:
Chain of Custody Present	☑Yes	☐ No	☐N/A	
Chain of Custody Filled Out	☑Yes	☐ No	☐N/A	
Relinquished Signature & Sampler Name COC	☑Yes	☐ No	☐N/A	
Samples Arrived within Hold Time	☑Yes	☐ No	☐N/A	
Rush TAT requested on COC	☐Yes	☑ No	☐N/A	
Sufficient Volume	☑Yes	☐ No	☐N/A	
Correct Containers Used	☑Yes	☐ No	☐N/A	
Containers Intact	☑Yes	☐ No	☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑Yes	☐ No	☐N/A	
All containers needing acid/base preservation have been checked.	☑Yes	☐ No	☐N/A	Preservation Information: Preservative:_____ Lot #/Trace #:_____ Date:_____ Time:_____ Initials:_____
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☑Yes	☐ No	☐N/A	
Headspace in VOA Vials? (>6mm):	☐Yes	☐ No	☑N/A	
Trip Blank Present:	☐Yes	☐ No	☑N/A	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments):_____

Project Manager Review: _____ Date: _____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

December 19, 2016

Ms. Candia E. Mulhern
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

RE: Project: Resource Recovery Nov
Pace Project No.: 35278894

Dear Ms. Mulhern:
Enclosed are the analytical results for sample(s) received by the laboratory on November 18, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Bo Garcia for
Kathryn Nordmark
kathryn.nordmark@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project:	Resource Recovery Nov
Pace Project No.:	35278894

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: Resource Recovery Nov
Pace Project No.: 35278894

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35278894001	**4 MW27**	Water	11/16/16 12:10	11/18/16 09:30

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SAMPLE ANALYTE COUNT

Project: Resource Recovery Nov
Pace Project No.: 35278894

Lab ID	Sample ID	Method	Analysts	Analytes Reported
35278894001	**4 MW27**	EPA 8011	CRT	2
		EPA 6010	RVK	15
		EPA 6020	DRS	2
		EPA 7470	RVK	1
		EPA 8260	SK1	48

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ANALYTICAL RESULTS

Project: Resource Recovery Nov
Pace Project No.: 35278894

Sample: 4 MW27 **Lab ID: 35278894001** Collected: 11/16/16 12:10 Received: 11/18/16 09:30 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0047U**	ug/L	0.019	1	11/29/16 14:35	11/30/16 02:19	96-12-8	
1,2-Dibromoethane (EDB)	**0.0072U**	ug/L	0.0096	1	11/29/16 14:35	11/30/16 02:19	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	1	11/30/16 19:47	12/02/16 18:08	7440-38-2	
Barium	**20.9**	ug/L	10.0	1	11/30/16 19:47	12/02/16 18:08	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	1	11/30/16 19:47	12/02/16 18:08	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	1	11/30/16 19:47	12/02/16 18:08	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	1	11/30/16 19:47	12/02/16 18:08	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	1	11/30/16 19:47	12/02/16 18:08	7440-48-4	
Copper	**2.5U**	ug/L	5.0	1	11/30/16 19:47	12/02/16 18:08	7440-50-8	
Iron	**57.6**	ug/L	40.0	1	11/30/16 19:47	12/02/16 18:08	7439-89-6	
Lead	**5.0U**	ug/L	10.0	1	11/30/16 19:47	12/02/16 18:08	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	1	11/30/16 19:47	12/02/16 18:08	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	1	11/30/16 19:47	12/02/16 18:08	7782-49-2	
Silver	**2.5U**	ug/L	5.0	1	11/30/16 19:47	12/02/16 18:08	7440-22-4	
Sodium	**41.3**	mg/L	1.0	1	11/30/16 19:47	12/02/16 18:08	7440-23-5	
Vanadium	**12.4**	ug/L	10.0	1	11/30/16 19:47	12/02/16 18:08	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	1	11/30/16 19:47	12/02/16 18:08	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	1	12/02/16 06:53	12/06/16 15:53	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	1	12/02/16 06:53	12/06/16 15:53	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	1	12/03/16 09:17	12/05/16 14:55	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	**10.0U**	ug/L	20.0	1		11/28/16 20:28	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	1		11/28/16 20:28	107-13-1	
Benzene	**0.10U**	ug/L	1.0	1		11/28/16 20:28	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	1		11/28/16 20:28	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	1		11/28/16 20:28	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	1		11/28/16 20:28	75-25-2	
Bromomethane	**0.50U**	ug/L	5.0	1		11/28/16 20:28	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	1		11/28/16 20:28	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	1		11/28/16 20:28	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	1		11/28/16 20:28	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	1		11/28/16 20:28	108-90-7	
Chloroethane	**0.50U**	ug/L	10.0	1		11/28/16 20:28	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	1		11/28/16 20:28	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	1		11/28/16 20:28	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	1		11/28/16 20:28	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	1		11/28/16 20:28	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/28/16 20:28	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	1		11/28/16 20:28	106-46-7	

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ANALYTICAL RESULTS

Project: Resource Recovery Nov
Pace Project No.: 35278894

Sample: 4 MW27 **Lab ID: 35278894001** Collected: 11/16/16 12:10 Received: 11/18/16 09:30 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	1		11/28/16 20:28	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	1		11/28/16 20:28	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	1		11/28/16 20:28	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	1		11/28/16 20:28	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/28/16 20:28	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	1		11/28/16 20:28	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	1		11/28/16 20:28	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/28/16 20:28	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	1		11/28/16 20:28	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	1		11/28/16 20:28	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	1		11/28/16 20:28	591-78-6	
Iodomethane	**0.50U**	ug/L	10.0	1		11/28/16 20:28	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	1		11/28/16 20:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	1		11/28/16 20:28	108-10-1	
Styrene	**0.50U**	ug/L	1.0	1		11/28/16 20:28	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	1		11/28/16 20:28	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	1		11/28/16 20:28	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	1		11/28/16 20:28	127-18-4	
Toluene	**0.50U**	ug/L	1.0	1		11/28/16 20:28	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	1		11/28/16 20:28	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	1		11/28/16 20:28	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	1		11/28/16 20:28	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	1		11/28/16 20:28	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	1		11/28/16 20:28	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1		11/28/16 20:28	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	1		11/28/16 20:28	75-01-4	
Xylene (Total)	**1.5U**	ug/L	3.0	1		11/28/16 20:28	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%	89-111	1		11/28/16 20:28	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	75-135	1		11/28/16 20:28	17060-07-0	
Toluene-d8 (S)	100	%	89-112	1		11/28/16 20:28	2037-26-5	

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QUALITY CONTROL DATA

Project: Resource Recovery Nov
Pace Project No.: 35278894

QC Batch: 335904 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Associated Lab Samples: 35278894001

METHOD BLANK: 1798556 | Matrix: Water
Associated Lab Samples: 35278894001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	12/05/16 14:17	

LABORATORY CONTROL SAMPLE: 1798557

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.1	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1798558 1798559

Parameter	Units	35277361001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10U	2	2	1.9	2.1	96	103	75-125	7	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Nov
Pace Project No.: 35278894

QC Batch: 335493 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 35278894001

METHOD BLANK: 1796338 | Matrix: Water
Associated Lab Samples: 35278894001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	12/02/16 17:11	
Barium	ug/L	5.0U	10.0	12/02/16 17:11	
Beryllium	ug/L	0.50U	1.0	12/02/16 17:11	
Cadmium	ug/L	0.50U	1.0	12/02/16 17:11	
Chromium	ug/L	2.5U	5.0	12/02/16 17:11	
Cobalt	ug/L	5.0U	10.0	12/02/16 17:11	
Copper	ug/L	2.5U	5.0	12/02/16 17:11	
Iron	ug/L	20.0U	40.0	12/02/16 17:11	
Lead	ug/L	5.0U	10.0	12/02/16 17:11	
Nickel	ug/L	2.5U	5.0	12/02/16 17:11	
Selenium	ug/L	7.5U	15.0	12/02/16 17:11	
Silver	ug/L	2.5U	5.0	12/02/16 17:11	
Sodium	mg/L	0.50U	1.0	12/02/16 17:11	
Vanadium	ug/L	5.0U	10.0	12/02/16 17:11	
Zinc	ug/L	10.0U	20.0	12/02/16 17:11	

LABORATORY CONTROL SAMPLE: 1796339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	494	99	80-120	
Barium	ug/L	500	489	98	80-120	
Beryllium	ug/L	50	51.5	103	80-120	
Cadmium	ug/L	50	50.6	101	80-120	
Chromium	ug/L	500	514	103	80-120	
Cobalt	ug/L	500	512	102	80-120	
Copper	ug/L	500	490	98	80-120	
Iron	ug/L	5000	5200	104	80-120	
Lead	ug/L	500	516	103	80-120	
Nickel	ug/L	500	514	103	80-120	
Selenium	ug/L	500	517	103	80-120	
Silver	ug/L	50	49.7	99	80-120	
Sodium	mg/L	25	26.0	104	80-120	
Vanadium	ug/L	500	516	103	80-120	
Zinc	ug/L	2500	2410	96	80-120	

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QUALITY CONTROL DATA

Project: Resource Recovery Nov
Pace Project No.: 35278894

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1796340 1796341

Parameter	Units	35278817006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	37.4	250	250	289	288	101	100	75-125	0	20	
Barium	ug/L	5.0U	250	250	252	248	99	97	75-125	2	20	
Beryllium	ug/L	0.50U	25	25	26.2	26.2	105	105	75-125	0	20	
Cadmium	ug/L	0.50U	25	25	25.6	25.4	103	102	75-125	1	20	
Chromium	ug/L	5.9	250	250	268	265	105	104	75-125	1	20	
Cobalt	ug/L	5.0U	250	250	262	262	105	105	75-125	0	20	
Copper	ug/L	2.5U	250	250	258	256	103	102	75-125	1	20	
Iron	ug/L	58.3	2500	2500	2650	2670	104	105	75-125	1	20	
Lead	ug/L	5.0U	250	250	267	267	106	106	75-125	0	20	
Nickel	ug/L	2.5U	250	250	264	263	105	105	75-125	0	20	
Selenium	ug/L	7.5U	250	250	261	264	103	105	75-125	1	20	
Silver	ug/L	2.5U	25	25	24.8	24.7	99	99	75-125	1	20	
Sodium	mg/L	15.7	12.5	12.5	28.7	28.5	104	103	75-125	1	20	
Vanadium	ug/L	14.0	250	250	275	277	104	105	75-125	1	20	
Zinc	ug/L	46.2	1250	1250	1280	1260	99	97	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Resource Recovery Nov
Pace Project No.: 35278894

QC Batch: 335858 | Analysis Method: EPA 6020
QC Batch Method: EPA 3010 | Analysis Description: 6020 MET
Associated Lab Samples: 35278894001

METHOD BLANK: 1798405 | Matrix: Water
Associated Lab Samples: 35278894001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	12/06/16 15:18	
Thallium	ug/L	0.50U	1.0	12/06/16 15:18	

LABORATORY CONTROL SAMPLE: 1798406

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.1	98	80-120	
Thallium	ug/L	50	49.5	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1798407 1798408

Parameter	Units	35277728001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50U	50	50	48.2	45.2	96	90	75-125	6	20	
Thallium	ug/L	0.50U	50	50	50.0	46.8	100	93	75-125	7	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Nov
Pace Project No.: 35278894

QC Batch: 334919 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 35278894001

METHOD BLANK: 1793058 | Matrix: Water
Associated Lab Samples: 35278894001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	11/28/16 15:02	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	11/28/16 15:02	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	11/28/16 15:02	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	11/28/16 15:02	
1,1-Dichloroethane	ug/L	0.50U	1.0	11/28/16 15:02	
1,1-Dichloroethene	ug/L	0.50U	1.0	11/28/16 15:02	
1,2,3-Trichloropropane	ug/L	0.59U	1.0	11/28/16 15:02	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	11/28/16 15:02	
1,2-Dichloroethane	ug/L	0.50U	1.0	11/28/16 15:02	
1,2-Dichloropropane	ug/L	0.50U	1.0	11/28/16 15:02	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	11/28/16 15:02	
2-Butanone (MEK)	ug/L	5.0U	10.0	11/28/16 15:02	
2-Hexanone	ug/L	5.0U	10.0	11/28/16 15:02	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	11/28/16 15:02	
Acetone	ug/L	10.0U	20.0	11/28/16 15:02	
Acrylonitrile	ug/L	5.0U	10.0	11/28/16 15:02	
Benzene	ug/L	0.10U	1.0	11/28/16 15:02	
Bromochloromethane	ug/L	0.50U	1.0	11/28/16 15:02	
Bromodichloromethane	ug/L	0.27U	0.60	11/28/16 15:02	
Bromoform	ug/L	0.50U	1.0	11/28/16 15:02	
Bromomethane	ug/L	0.50U	5.0	11/28/16 15:02	
Carbon disulfide	ug/L	5.0U	10.0	11/28/16 15:02	
Carbon tetrachloride	ug/L	0.50U	1.0	11/28/16 15:02	
Chlorobenzene	ug/L	0.50U	1.0	11/28/16 15:02	
Chloroethane	ug/L	0.50U	10.0	11/28/16 15:02	
Chloroform	ug/L	0.50U	1.0	11/28/16 15:02	
Chloromethane	ug/L	0.62U	1.0	11/28/16 15:02	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	11/28/16 15:02	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	11/28/16 15:02	
Dibromochloromethane	ug/L	0.26U	0.50	11/28/16 15:02	
Dibromomethane	ug/L	0.50U	1.0	11/28/16 15:02	
Ethylbenzene	ug/L	0.50U	1.0	11/28/16 15:02	
Iodomethane	ug/L	0.50U	10.0	11/28/16 15:02	
Methylene Chloride	ug/L	2.5U	5.0	11/28/16 15:02	
Styrene	ug/L	0.50U	1.0	11/28/16 15:02	
Tetrachloroethene	ug/L	0.50U	1.0	11/28/16 15:02	
Toluene	ug/L	0.50U	1.0	11/28/16 15:02	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	11/28/16 15:02	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	11/28/16 15:02	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	11/28/16 15:02	
Trichloroethene	ug/L	0.50U	1.0	11/28/16 15:02	

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QUALITY CONTROL DATA

Project: Resource Recovery Nov
Pace Project No.: 35278894

METHOD BLANK: 1793058 Matrix: Water
Associated Lab Samples: 35278894001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50U	1.0	11/28/16 15:02	
Vinyl acetate	ug/L	1.0U	2.0	11/28/16 15:02	
Vinyl chloride	ug/L	0.50U	1.0	11/28/16 15:02	
Xylene (Total)	ug/L	1.5U	3.0	11/28/16 15:02	
1,2-Dichloroethane-d4 (S)	%	99	75-135	11/28/16 15:02	
4-Bromofluorobenzene (S)	%	100	89-111	11/28/16 15:02	
Toluene-d8 (S)	%	99	89-112	11/28/16 15:02	

LABORATORY CONTROL SAMPLE: 1793059

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.8	99	70-130	
1,1,1-Trichloroethane	ug/L	20	18.4	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.0	100	70-130	
1,1,2-Trichloroethane	ug/L	20	19.9	99	70-130	
1,1-Dichloroethane	ug/L	20	18.3	92	70-130	
1,1-Dichloroethene	ug/L	20	18.7	93	65-134	
1,2,3-Trichloropropane	ug/L	20	20.8	104	65-135	
1,2-Dichlorobenzene	ug/L	20	19.7	99	70-130	
1,2-Dichloroethane	ug/L	20	18.7	93	70-130	
1,2-Dichloropropane	ug/L	20	19.1	95	70-130	
1,4-Dichlorobenzene	ug/L	20	20.1	101	70-130	
2-Butanone (MEK)	ug/L	40	37.1	93	61-129	
2-Hexanone	ug/L	40	42.4	106	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	40.8	102	70-130	
Acetone	ug/L	40	38.3	96	44-155	
Acrylonitrile	ug/L	200	264	132	59-138	
Benzene	ug/L	20	19.0	95	70-130	
Bromochloromethane	ug/L	20	19.8	99	70-130	
Bromodichloromethane	ug/L	20	18.6	93	70-130	
Bromoform	ug/L	20	19.9	100	62-129	
Bromomethane	ug/L	20	25.7	128	10-179	
Carbon disulfide	ug/L	20	19.0	95	40-156	
Carbon tetrachloride	ug/L	20	18.2	91	66-127	
Chlorobenzene	ug/L	20	20.3	101	70-130	
Chloroethane	ug/L	20	16.5	83	57-142	
Chloroform	ug/L	20	18.6	93	70-130	
Chloromethane	ug/L	20	21.0	105	45-150	
cis-1,2-Dichloroethene	ug/L	20	18.7	94	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.5	92	70-130	
Dibromochloromethane	ug/L	20	19.8	99	70-130	
Dibromomethane	ug/L	20	20.6	103	70-130	
Ethylbenzene	ug/L	20	19.6	98	70-130	
Iodomethane	ug/L	40	38.5	96	21-150	

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QUALITY CONTROL DATA

Project: Resource Recovery Nov
Pace Project No.: 35278894

LABORATORY CONTROL SAMPLE: 1793059

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	20.1	100	65-127	
Styrene	ug/L	20	20.5	102	70-130	
Tetrachloroethene	ug/L	20	19.7	98	48-155	
Toluene	ug/L	20	20.1	101	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.8	94	68-126	
trans-1,3-Dichloropropene	ug/L	20	20.6	103	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	20.7	103	46-138	
Trichloroethene	ug/L	20	19.9	100	69-129	
Trichlorofluoromethane	ug/L	20	20.3	101	60-144	
Vinyl acetate	ug/L	20	18.7	94	70-130	
Vinyl chloride	ug/L	20	22.9	114	67-136	
Xylene (Total)	ug/L	60	58.1	97	70-130	
1,2-Dichloroethane-d4 (S)	%			101	75-135	
4-Bromofluorobenzene (S)	%			103	89-111	
Toluene-d8 (S)	%			99	89-112	

MATRIX SPIKE SAMPLE: 1794313

Parameter	Units	35278600002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	17.2	86	70-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	17.1	85	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	16.8	84	70-130	
1,1,2-Trichloroethane	ug/L	0.50U	20	16.6	83	70-130	
1,1-Dichloroethane	ug/L	0.50U	20	17.5	87	70-130	
1,1-Dichloroethene	ug/L	0.50U	20	18.1	91	65-134	
1,2,3-Trichloropropane	ug/L	0.59U	20	17.8	89	65-135	
1,2-Dichlorobenzene	ug/L	0.50U	20	17.1	86	70-130	
1,2-Dichloroethane	ug/L	0.50U	20	16.7	84	70-130	
1,2-Dichloropropane	ug/L	0.50U	20	17.5	87	70-130	
1,4-Dichlorobenzene	ug/L	0.50U	20	17.5	88	70-130	
2-Butanone (MEK)	ug/L	5.0U	40	32.8	82	61-129	
2-Hexanone	ug/L	5.0U	40	34.5	86	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	34.6	86	70-130	
Acetone	ug/L	10.0U	40	33.4	84	44-155	
Acrylonitrile	ug/L	5.0U	200	194	97	59-138	
Benzene	ug/L	0.10U	20	17.3	87	70-130	
Bromochloromethane	ug/L	0.50U	20	17.6	88	70-130	
Bromodichloromethane	ug/L	0.27U	20	16.6	83	70-130	
Bromoform	ug/L	0.50U	20	16.2	81	62-129	
Bromomethane	ug/L	0.50U	20	16.7	84	10-179	
Carbon disulfide	ug/L	5.0U	20	18.1	90	40-156	
Carbon tetrachloride	ug/L	0.50U	20	16.7	83	66-127	
Chlorobenzene	ug/L	0.50U	20	18.6	91	70-130	
Chloroethane	ug/L	0.50U	20	15.5	78	57-142	
Chloroform	ug/L	0.50U	20	17.2	86	70-130	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Nov
Pace Project No.: 35278894

MATRIX SPIKE SAMPLE: 1794313

Parameter	Units	35278600002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62U	20	18.9	94	45-150	
cis-1,2-Dichloroethene	ug/L	0.50U	20	17.0	85	70-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	15.3	77	70-130	
Dibromochloromethane	ug/L	0.26U	20	17.4	87	70-130	
Dibromomethane	ug/L	0.50U	20	17.6	88	70-130	
Ethylbenzene	ug/L	0.50U	20	18.0	90	70-130	
Iodomethane	ug/L	0.50U	40	36.4	91	21-150	
Methylene Chloride	ug/L	2.5U	20	17.8	89	65-127	
Styrene	ug/L	0.50U	20	17.7	88	70-130	
Tetrachloroethene	ug/L	0.50U	20	16.9	85	48-155	
Toluene	ug/L	0.50U	20	18.5	93	70-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	17.6	88	68-126	
trans-1,3-Dichloropropene	ug/L	0.25U	20	16.3	82	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	11.8	59	46-138	
Trichloroethene	ug/L	0.50U	20	17.6	88	69-129	
Trichlorofluoromethane	ug/L	0.50U	20	15.9	79	60-144	
Vinyl acetate	ug/L	1.0U	20	14.2	71	70-130	
Vinyl chloride	ug/L	0.50U	20	19.7	99	67-136	
Xylene (Total)	ug/L	1.5U	60	51.9	86	70-130	
1,2-Dichloroethane-d4 (S)	%				101	75-135	
4-Bromofluorobenzene (S)	%				103	89-111	
Toluene-d8 (S)	%				98	89-112	

SAMPLE DUPLICATE: 1794312

Parameter	Units	35278894001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.59U	0.59U		40	
1,2-Dichlorobenzene	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane	ug/L	0.50U	0.50U		40	
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,4-Dichlorobenzene	ug/L	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	0.10U	0.10U		40	
Bromochloromethane	ug/L	0.50U	0.50U		40	
Bromodichloromethane	ug/L	0.27U	0.27U		40	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery Nov
Pace Project No.: 35278894

SAMPLE DUPLICATE: 1794312

Parameter	Units	35278894001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50U	0.50U		40	
Bromomethane	ug/L	0.50U	0.50U		40	
Carbon disulfide	ug/L	5.0U	5.0U		40	
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	0.50U	0.50U		40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	
Chloromethane	ug/L	0.62U	0.62U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.50U	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	1.5U	1.5U		40	
1,2-Dichloroethane-d4 (S)	%	99	100	1	40	
4-Bromofluorobenzene (S)	%	102	99	3	40	
Toluene-d8 (S)	%	100	101	1	40	

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QUALITY CONTROL DATA

Project: Resource Recovery Nov
Pace Project No.: 35278894

QC Batch: 334987 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35278894001

METHOD BLANK: 1793485 | Matrix: Water
Associated Lab Samples: 35278894001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	11/30/16 01:49	
1,2-Dibromoethane (EDB)	ug/L	0.0075U	0.010	11/30/16 01:49	

LABORATORY CONTROL SAMPLE: 1793486

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.15	61	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.17	69	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1793767 1793768

Parameter	Units	35279172003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0047U	.44	.44	0.34	0.34	78	77	60-140	2	40	
1,2-Dibromoethane (EDB)	ug/L	0.0072U	.44	.44	0.40	0.39	90	90	60-140	0	40	

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REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: Resource Recovery Nov
Pace Project No.: 35278894

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 adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

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.

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

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

TNI - The NELAC Institute.

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Nov
Pace Project No.: 35278894

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35278894001	**4 MW27**	EPA 8011	334987	EPA 8011	335237
35278894001	**4 MW27**	EPA 3010	335493	EPA 6010	335555
35278894001	**4 MW27**	EPA 3010	335858	EPA 6020	335994
35278894001	**4 MW27**	EPA 7470	335904	EPA 7470	336172
35278894001	**4 MW27**	EPA 8260	334919		

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SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

WO#: 35278894

35278894

AL Project No. _____

Client Name: Pasco Co Environmental Lab

- - 847 - 8902

Project Name / Location: Resource Recovery MW GW1

Samplers: (Signature)

Matrix Codes:
DW-Drinking Water WW-Wastewater
SW-SurfaceWater SL-Sludge SO-Soil
GW-Groundwater SA-Saline Water O-Other
R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	Metals Fe, H_2S, N_2 125ml P. HNO_3	App. I 250ml P. H_2SO_4	App. I 40ml V	App I 40ml V. HCl	(WO trip Blank)				No. of Containers (Total per each location)
	4MW27	11-16-16	1210	GW		✓	1	1	3	3	0				8
											Sent to Pace 11/18/16				

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
Marian Bazel	11-16-16 1805	[illegible]	11/16/16 1805
[illegible]	11/18/16 0820	[illegible]	11/18/16 0820
[illegible]	11/18/16 0930	[illegible] Pace	11/18/16 0930
[illegible] Pace	11/18/16 2000	Fex	11/18/16 2000
Relinquished:	Date/Time:	Received: [illegible]	Date/Time: 11/18/16 0030

Seal intact? Y (N) N/A

Samples intact upon arrival? (Y) N N/A

Received on ice? Temp 1.3 (Y) N N/A

Proper preservatives indicated? Y N N/A

Rec'd within holding time? Y N N/A

Volatiles rec'd w/out headspace? Y N N/A

Proper containers used? Y N N/A

Instructions / Remarks

Chain of Custody.xls
Rev.Date 11/10/01

Chain of Custody

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: August 10, 2016
	Document No.: F-FL-C-007 rev. 10	Issuing Authority: Pace Florida Quality Office

Sam **WO#: 35278894**

Project # PM: KN1 Due Date: 12/06/16
Project Manager: CLIENT: PASCOU
Client:

Date and Initials of person:
Examining contents:
Label:
Deliver: BCM
pH:

Thermometer Used: T-269 Date: 11/19/16 Time: 0030 Initials: AJ

Samples shorted to lab (if Yes, complete) Shorted Date: Shorted Time: Qty:

Cooler #1 Temp.°C 1.1 **(Visual)** +0.2 **(Correction Factor)** 1.3 **(Actual)** ☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C **(Visual)** **(Correction Factor)** **(Actual)** ☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C **(Visual)** **(Correction Factor)** **(Actual)** ☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C **(Visual)** **(Correction Factor)** **(Actual)** ☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C **(Visual)** **(Correction Factor)** **(Actual)** ☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C **(Visual)** **(Correction Factor)** **(Actual)** ☐ Samples on ice, cooling process has begun

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other
Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ Other
Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Unknown

Tracking #

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals intact:** ☐ Yes ☐ No **Ice:** Wet Blue None

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

		Comments:
Chain of Custody Present	☑Yes ☐ No ☐N/A	
Chain of Custody Filled Out	☑Yes ☐ No ☐N/A	
Relinquished Signature & Sampler Name COC	☑Yes ☐ No ☐N/A	
Samples Arrived within Hold Time	☑Yes ☐ No ☐N/A	
Rush TAT requested on COC	☐Yes ☑No ☐N/A	
Sufficient Volume	☑Yes ☐ No ☐N/A	
Correct Containers Used	☑Yes ☐ No ☐N/A	Reived two ~~Sulfuric~~ Nitric Nitric Bottles only. Missing Sulfuric Bottle.
Containers Intact	☑Yes ☐ No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑Yes ☐ No ☐N/A	
All containers needing acid/base preservation have been checked.	☑Yes ☐ No ☐N/A	Preservation Information: Preservative:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☑Yes ☐ No ☐N/A	Lot #/Trace #: Date: Time: Initials:
Headspace in VOA Vials? (>6mm):	☐Yes ☑ No ~~☐N/A~~	BCM 11/21/16
Trip Blank Present:	☐Yes ☐ No ☑N/A	

Client Notification/ Resolution:

Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Pace Analytical Services, LLC
110 South Bayview Blvd.
Oldsmar , FL 34677
(813)881-9401

November 09, 2016

Kathryn Nordmark
Southern Analytical Laboratories, Inc.
110 S Bayview Blvd.
Oldsmar, FL 34677

RE: Project: 1614837
Pace Project No.: 35273274

Dear Kathryn Nordmark:
Enclosed are the analytical results for sample(s) received by the laboratory on October 29, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Jeff Baylor for
Lori Palmer
lori.palmer@pacelabs.com
Project Manager

Enclosures

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Oldsmar , FL 34677
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CERTIFICATIONS

Project: 1614837
Pace Project No.: 35273274

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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Oldsmar , FL 34677
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SAMPLE SUMMARY

Project: 1614837
Pace Project No.: 35273274

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35273274001	**1614837-06**	Water	10/26/16 11:30	10/29/16 00:05
35273274002	**1614837-07**	Water	10/26/16 12:36	10/29/16 00:05
35273274003	**1614837-08**	Water	10/26/16 14:15	10/29/16 00:05
35273274004	**1614837-09**	Water	10/26/16 15:15	10/29/16 00:05
35273274005	**1614837-10**	Water	10/26/16 16:40	10/29/16 00:05
35273274006	**1614837-11**	Water	10/27/16 12:07	10/29/16 00:05
35273274007	**1614837-12**	Water	10/27/16 13:12	10/29/16 00:05
35273274008	**1614837-13**	Water	10/27/16 14:25	10/29/16 00:05
35273274009	**1614837-14**	Water	10/27/16 15:55	10/29/16 00:05
35273274010	**TRIP BLANK - 1614837-06**	Water	10/27/16 00:01	10/29/16 00:05
35273274011	**TRIP BLANK - 1614837-07**	Water	10/27/16 00:01	10/29/16 00:05
35273274012	**TRIP BLANK - 1614837-08**	Water	10/27/16 00:01	10/29/16 00:05
35273274013	**TRIP BLANK - 1614837-09**	Water	10/27/16 00:01	10/29/16 00:05
35273274014	**TRIP BLANK - 1614837-10**	Water	10/27/16 00:01	10/29/16 00:05
35273274015	**TRIP BLANK - 1614837-11**	Water	10/27/16 00:01	10/29/16 00:05
35273274016	**TRIP BLANK - 1614837-12**	Water	10/27/16 00:01	10/29/16 00:05
35273274017	**TRIP BLANK - 1614837-13**	Water	10/27/16 00:01	10/29/16 00:05
35273274018	**TRIP BLANK - 1614837-14**	Water	10/27/16 00:01	10/29/16 00:05

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SAMPLE ANALYTE COUNT

Project: 1614837
Pace Project No.: 35273274

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35273274001	1614837-06	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	KMW	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35273274002	1614837-07	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	KMW	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35273274003	1614837-08	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	KMW	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35273274004	1614837-09	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	KMW	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35273274005	1614837-10	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	KMW	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35273274006	1614837-11	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	KMW	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35273274007	1614837-12	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	KMW	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35273274008	1614837-13	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O

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Oldsmar , FL 34677
(813)881-9401

SAMPLE ANALYTE COUNT

Project: 1614837
Pace Project No.: 35273274

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020	KMW	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35273274009	**1614837-14**	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	12	PASI-O
		EPA 6020	KMW	5	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35273274010	**TRIP BLANK - 1614837-06**	EPA 8260	SK1	48	PASI-O
35273274011	**TRIP BLANK - 1614837-07**	EPA 8260	SK1	48	PASI-O
35273274012	**TRIP BLANK - 1614837-08**	EPA 8260	SK1	48	PASI-O
35273274013	**TRIP BLANK - 1614837-09**	EPA 8260	SK1	48	PASI-O
35273274014	**TRIP BLANK - 1614837-10**	EPA 8260	SK1	48	PASI-O
35273274015	**TRIP BLANK - 1614837-11**	EPA 8260	SK1	48	PASI-O
35273274016	**TRIP BLANK - 1614837-12**	EPA 8260	SK1	48	PASI-O
35273274017	**TRIP BLANK - 1614837-13**	EPA 8260	SK1	48	PASI-O
35273274018	**TRIP BLANK - 1614837-14**	EPA 8260	SK1	48	PASI-O

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-06 **Lab ID: 35273274001** Collected: 10/26/16 11:30 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0048 U**	ug/L	0.019	0.0048	1	11/07/16 05:15	11/07/16 16:08	96-12-8	
1,2-Dibromoethane (EDB)	**0.0073 U**	ug/L	0.0097	0.0073	1	11/07/16 05:15	11/07/16 16:08	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**8.7 I**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:04	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:04	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:04	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:04	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:04	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:04	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/01/16 16:48	11/02/16 15:04	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:04	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:04	7440-22-4	
Sodium	**10.5**	mg/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:04	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:04	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/01/16 16:48	11/02/16 15:04	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:00	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:00	7440-38-2	
Lead	**0.53 I**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:00	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:00	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:00	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/05/16 05:35	11/07/16 14:51	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/02/16 14:39	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 14:39	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/02/16 14:39	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/02/16 14:39	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/02/16 14:39	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 14:39	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 14:39	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 14:39	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/02/16 14:39	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/02/16 14:39	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-06 **Lab ID: 35273274001** Collected: 10/26/16 11:30 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 14:39	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 14:39	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 14:39	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 14:39	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 14:39	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/02/16 14:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 14:39	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/02/16 14:39	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/02/16 14:39	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/02/16 14:39	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 14:39	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/02/16 14:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	108	%	89-111		1		11/02/16 14:39	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	75-135		1		11/02/16 14:39	17060-07-0	
Toluene-d8 (S)	95	%	89-112		1		11/02/16 14:39	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-07 **Lab ID: 35273274002** Collected: 10/26/16 12:36 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0046 U**	ug/L	0.019	0.0046	1	11/07/16 05:15	11/07/16 16:23	96-12-8	
1,2-Dibromoethane (EDB)	**0.0071 U**	ug/L	0.0095	0.0071	1	11/07/16 05:15	11/07/16 16:23	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**7.8 I**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:08	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:08	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:08	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:08	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:08	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:08	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/01/16 16:48	11/02/16 15:08	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:08	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:08	7440-22-4	
Sodium	**10**	mg/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:08	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:08	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/01/16 16:48	11/02/16 15:08	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:08	7440-36-0	
Arsenic	**0.62 I**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:08	7440-38-2	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:08	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:08	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:08	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/05/16 05:35	11/07/16 14:53	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/02/16 15:33	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:33	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/02/16 15:33	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/02/16 15:33	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/02/16 15:33	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:33	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:33	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 15:33	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/02/16 15:33	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/02/16 15:33	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-07 **Lab ID: 35273274002** Collected: 10/26/16 12:36 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:33	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 15:33	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 15:33	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:33	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 15:33	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/02/16 15:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:33	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/02/16 15:33	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/02/16 15:33	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/02/16 15:33	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:33	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/02/16 15:33	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	105	%	89-111		1		11/02/16 15:33	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	75-135		1		11/02/16 15:33	17060-07-0	
Toluene-d8 (S)	95	%	89-112		1		11/02/16 15:33	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-08 **Lab ID: 35273274003** Collected: 10/26/16 14:15 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0046 U**	ug/L	0.019	0.0046	1	11/07/16 05:15	11/07/16 16:38	96-12-8	
1,2-Dibromoethane (EDB)	**0.0071 U**	ug/L	0.0095	0.0071	1	11/07/16 05:15	11/07/16 16:38	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**7.8 I**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:12	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:12	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:12	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:12	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:12	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:12	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/01/16 16:48	11/02/16 15:12	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:12	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:12	7440-22-4	
Sodium	**9.2**	mg/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:12	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:12	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/01/16 16:48	11/02/16 15:12	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:11	7440-36-0	
Arsenic	**0.68 I**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:11	7440-38-2	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:11	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:11	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:11	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/05/16 05:35	11/07/16 14:55	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/02/16 15:59	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:59	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/02/16 15:59	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/02/16 15:59	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/02/16 15:59	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:59	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:59	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 15:59	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/02/16 15:59	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/02/16 15:59	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-08 **Lab ID: 35273274003** Collected: 10/26/16 14:15 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:59	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 15:59	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 15:59	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:59	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 15:59	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/02/16 15:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 15:59	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/02/16 15:59	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/02/16 15:59	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/02/16 15:59	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 15:59	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/02/16 15:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	107	%	89-111		1		11/02/16 15:59	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	75-135		1		11/02/16 15:59	17060-07-0	
Toluene-d8 (S)	95	%	89-112		1		11/02/16 15:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-09 **Lab ID: 35273274004** Collected: 10/26/16 15:15 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0046 U**	ug/L	0.019	0.0046	1	11/07/16 05:15	11/07/16 16:54	96-12-8	
1,2-Dibromoethane (EDB)	**0.0071 U**	ug/L	0.0095	0.0071	1	11/07/16 05:15	11/07/16 16:54	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**10.2**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:16	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:16	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:16	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:16	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:16	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:16	7440-50-8	
Iron	**27.4 I**	ug/L	40.0	20.0	1	11/01/16 16:48	11/02/16 15:16	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:16	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:16	7440-22-4	
Sodium	**12.2**	mg/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:16	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:16	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/01/16 16:48	11/02/16 15:16	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:14	7440-36-0	
Arsenic	**0.74 I**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:14	7440-38-2	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:14	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:14	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/05/16 05:35	11/07/16 14:57	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/02/16 16:26	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:26	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/02/16 16:26	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/02/16 16:26	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/02/16 16:26	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:26	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:26	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 16:26	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/02/16 16:26	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/02/16 16:26	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-09 **Lab ID: 35273274004** Collected: 10/26/16 15:15 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:26	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 16:26	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 16:26	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:26	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 16:26	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/02/16 16:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:26	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/02/16 16:26	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/02/16 16:26	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/02/16 16:26	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:26	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/02/16 16:26	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	107	%	89-111		1		11/02/16 16:26	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	75-135		1		11/02/16 16:26	17060-07-0	
Toluene-d8 (S)	96	%	89-112		1		11/02/16 16:26	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-10 **Lab ID: 35273274005** Collected: 10/26/16 16:40 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0046 U**	ug/L	0.019	0.0046	1	11/07/16 05:15	11/07/16 17:09	96-12-8	
1,2-Dibromoethane (EDB)	**0.0070 U**	ug/L	0.0093	0.0070	1	11/07/16 05:15	11/07/16 17:09	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**22.2**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:20	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:20	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:20	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:20	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:20	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:20	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/01/16 16:48	11/02/16 15:20	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:20	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:20	7440-22-4	
Sodium	**39.3**	mg/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:20	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:20	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/01/16 16:48	11/02/16 15:20	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:16	7440-36-0	
Arsenic	**0.56 I**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:16	7440-38-2	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:16	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:16	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:16	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/05/16 05:35	11/07/16 14:59	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/02/16 16:50	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:50	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/02/16 16:50	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/02/16 16:50	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/02/16 16:50	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:50	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:50	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 16:50	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/02/16 16:50	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/02/16 16:50	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-10 **Lab ID: 35273274005** Collected: 10/26/16 16:40 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:50	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 16:50	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 16:50	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:50	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 16:50	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/02/16 16:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 16:50	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/02/16 16:50	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/02/16 16:50	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/02/16 16:50	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 16:50	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/02/16 16:50	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	105	%	89-111		1		11/02/16 16:50	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	75-135		1		11/02/16 16:50	17060-07-0	
Toluene-d8 (S)	95	%	89-112		1		11/02/16 16:50	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-11 **Lab ID: 35273274006** Collected: 10/27/16 12:07 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0047 U**	ug/L	0.019	0.0047	1	11/07/16 05:15	11/07/16 17:24	96-12-8	
1,2-Dibromoethane (EDB)	**0.0072 U**	ug/L	0.0096	0.0072	1	11/07/16 05:15	11/07/16 17:24	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**11.1**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:24	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:24	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:24	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:24	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:24	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:24	7440-50-8	
Iron	**40.7**	ug/L	40.0	20.0	1	11/01/16 16:48	11/02/16 15:24	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:24	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:24	7440-22-4	
Sodium	**12.3**	mg/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:24	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:24	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/01/16 16:48	11/02/16 15:24	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:19	7440-36-0	
Arsenic	**0.52 I**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:19	7440-38-2	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:19	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:19	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:19	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 17:03	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/02/16 17:14	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 17:14	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/02/16 17:14	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/02/16 17:14	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/02/16 17:14	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 17:14	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 17:14	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 17:14	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/02/16 17:14	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/02/16 17:14	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-11 **Lab ID: 35273274006** Collected: 10/27/16 12:07 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 17:14	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 17:14	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/02/16 17:14	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 17:14	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/02/16 17:14	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/02/16 17:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/02/16 17:14	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/02/16 17:14	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/02/16 17:14	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/02/16 17:14	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/02/16 17:14	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/02/16 17:14	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	106	%	89-111		1		11/02/16 17:14	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	75-135		1		11/02/16 17:14	17060-07-0	
Toluene-d8 (S)	94	%	89-112		1		11/02/16 17:14	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-12 **Lab ID: 35273274007** Collected: 10/27/16 13:12 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0047 U**	ug/L	0.019	0.0047	1	11/07/16 05:15	11/07/16 17:39	96-12-8	
1,2-Dibromoethane (EDB)	**0.0072 U**	ug/L	0.0097	0.0072	1	11/07/16 05:15	11/07/16 17:39	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**34.9**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:28	7440-39-3	
Beryllium	**0.97 I**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:28	7440-41-7	
Cadmium	**0.69 I**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:28	7440-43-9	
Chromium	**13.9**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:28	7440-47-3	
Cobalt	**7.3 I**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:28	7440-48-4	
Copper	**3.4 I**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:28	7440-50-8	
Iron	**3600**	ug/L	40.0	20.0	1	11/01/16 16:48	11/02/16 15:28	7439-89-6	
Nickel	**13.9**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:28	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:28	7440-22-4	
Sodium	**5.3**	mg/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:28	7440-23-5	
Vanadium	**21.9**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:28	7440-62-2	
Zinc	**11.3 I**	ug/L	20.0	10.0	1	11/01/16 16:48	11/02/16 15:28	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:21	7440-36-0	
Arsenic	**1.2**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:21	7440-38-2	
Lead	**4.7**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:21	7439-92-1	
Selenium	**1.1**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:21	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:21	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 17:05	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 09:58	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 09:58	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 09:58	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 09:58	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 09:58	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 09:58	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 09:58	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 09:58	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 09:58	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 09:58	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-12 **Lab ID: 35273274007** Collected: 10/27/16 13:12 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 09:58	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 09:58	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 09:58	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 09:58	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 09:58	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 09:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 09:58	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 09:58	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 09:58	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 09:58	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 09:58	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 09:58	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	107	%	89-111		1		11/03/16 09:58	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	75-135		1		11/03/16 09:58	17060-07-0	
Toluene-d8 (S)	106	%	89-112		1		11/03/16 09:58	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-13 **Lab ID: 35273274008** Collected: 10/27/16 14:25 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0047 U**	ug/L	0.019	0.0047	1	11/07/16 05:15	11/07/16 17:54	96-12-8	
1,2-Dibromoethane (EDB)	**0.0072 U**	ug/L	0.0096	0.0072	1	11/07/16 05:15	11/07/16 17:54	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**15.9**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:32	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:32	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:32	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:32	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:32	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:32	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/01/16 16:48	11/02/16 15:32	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:32	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:32	7440-22-4	
Sodium	**25.6**	mg/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:32	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:32	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/01/16 16:48	11/02/16 15:32	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:03	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:03	7440-38-2	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:03	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:03	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:03	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 17:07	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 10:25	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:25	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 10:25	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 10:25	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 10:25	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:25	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:25	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 10:25	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 10:25	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 10:25	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-13 **Lab ID: 35273274008** Collected: 10/27/16 14:25 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:25	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 10:25	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 10:25	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:25	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 10:25	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 10:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:25	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 10:25	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 10:25	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 10:25	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:25	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 10:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	106	%	89-111		1		11/03/16 10:25	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	75-135		1		11/03/16 10:25	17060-07-0	
Toluene-d8 (S)	102	%	89-112		1		11/03/16 10:25	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-14 **Lab ID: 35273274009** Collected: 10/27/16 15:55 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0046 U**	ug/L	0.019	0.0046	1	11/07/16 05:15	11/07/16 18:25	96-12-8	
1,2-Dibromoethane (EDB)	**0.0070 U**	ug/L	0.0093	0.0070	1	11/07/16 05:15	11/07/16 18:25	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Barium	**17.1**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:36	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:36	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:36	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:36	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:36	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:36	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/01/16 16:48	11/02/16 15:36	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:36	7440-02-0	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/01/16 16:48	11/02/16 15:36	7440-22-4	
Sodium	**27.9**	mg/L	1.0	0.50	1	11/01/16 16:48	11/02/16 15:36	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/01/16 16:48	11/02/16 15:36	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/01/16 16:48	11/02/16 15:36	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:27	7440-36-0	
Arsenic	**0.77 I**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:27	7440-38-2	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:27	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:27	7782-49-2	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/01/16 16:48	11/02/16 11:27	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 17:09	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 10:55	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:55	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 10:55	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 10:55	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 10:55	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:55	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:55	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 10:55	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 10:55	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 10:55	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	95-50-1	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: 1614837-14 **Lab ID: 35273274009** Collected: 10/27/16 15:55 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:55	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 10:55	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 10:55	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:55	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 10:55	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 10:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 10:55	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 10:55	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 10:55	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 10:55	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 10:55	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 10:55	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	106	%	89-111		1		11/03/16 10:55	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	75-135		1		11/03/16 10:55	17060-07-0	
Toluene-d8 (S)	102	%	89-112		1		11/03/16 10:55	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-06 **Lab ID: 35273274010** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 04:33	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 04:33	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 04:33	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 04:33	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 04:33	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 04:33	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 04:33	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 04:33	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 04:33	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 04:33	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 04:33	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 04:33	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 04:33	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 04:33	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 04:33	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 04:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 04:33	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 04:33	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 04:33	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 04:33	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 04:33	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 04:33	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-06 **Lab ID: 35273274010** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	105	%	89-111		1		11/03/16 04:33	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	75-135		1		11/03/16 04:33	17060-07-0	
Toluene-d8 (S)	102	%	89-112		1		11/03/16 04:33	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-07 **Lab ID: 35273274011** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 05:00	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:00	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 05:00	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 05:00	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 05:00	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:00	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:00	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 05:00	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 05:00	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 05:00	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:00	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 05:00	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 05:00	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:00	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 05:00	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 05:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:00	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 05:00	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 05:00	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 05:00	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:00	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 05:00	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-07 **Lab ID: 35273274011** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	107	%	89-111		1		11/03/16 05:00	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	75-135		1		11/03/16 05:00	17060-07-0	
Toluene-d8 (S)	101	%	89-112		1		11/03/16 05:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-08 **Lab ID: 35273274012** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 05:27	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:27	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 05:27	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 05:27	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 05:27	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:27	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:27	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 05:27	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 05:27	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 05:27	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:27	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 05:27	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 05:27	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:27	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 05:27	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 05:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:27	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 05:27	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 05:27	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 05:27	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:27	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 05:27	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-08 **Lab ID: 35273274012** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	106	%	89-111		1		11/03/16 05:27	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	75-135		1		11/03/16 05:27	17060-07-0	
Toluene-d8 (S)	103	%	89-112		1		11/03/16 05:27	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-09 **Lab ID: 35273274013** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 05:54	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:54	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 05:54	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 05:54	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 05:54	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:54	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:54	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 05:54	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 05:54	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 05:54	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:54	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 05:54	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 05:54	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:54	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 05:54	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 05:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 05:54	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 05:54	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 05:54	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 05:54	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 05:54	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 05:54	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-09 **Lab ID: 35273274013** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	105	%	89-111		1		11/03/16 05:54	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	75-135		1		11/03/16 05:54	17060-07-0	
Toluene-d8 (S)	101	%	89-112		1		11/03/16 05:54	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-10 **Lab ID: 35273274014** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 06:21	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:21	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 06:21	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 06:21	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 06:21	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:21	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:21	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 06:21	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 06:21	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 06:21	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:21	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 06:21	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 06:21	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:21	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 06:21	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 06:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:21	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 06:21	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 06:21	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 06:21	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:21	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 06:21	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-10 **Lab ID: 35273274014** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	107	%	89-111		1		11/03/16 06:21	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	75-135		1		11/03/16 06:21	17060-07-0	
Toluene-d8 (S)	102	%	89-112		1		11/03/16 06:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-11 **Lab ID: 35273274015** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 06:48	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:48	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 06:48	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 06:48	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 06:48	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:48	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:48	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 06:48	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 06:48	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 06:48	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:48	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 06:48	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 06:48	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:48	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 06:48	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 06:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 06:48	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 06:48	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 06:48	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 06:48	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 06:48	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 06:48	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-11 **Lab ID: 35273274015** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	107	%	89-111		1		11/03/16 06:48	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	75-135		1		11/03/16 06:48	17060-07-0	
Toluene-d8 (S)	104	%	89-112		1		11/03/16 06:48	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-12 **Lab ID: 35273274016** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 07:15	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:15	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 07:15	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 07:15	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 07:15	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:15	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:15	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 07:15	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 07:15	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 07:15	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:15	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 07:15	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 07:15	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:15	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 07:15	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 07:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:15	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 07:15	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 07:15	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 07:15	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:15	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 07:15	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-12 **Lab ID: 35273274016** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	106	%	89-111		1		11/03/16 07:15	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	75-135		1		11/03/16 07:15	17060-07-0	
Toluene-d8 (S)	100	%	89-112		1		11/03/16 07:15	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-13 **Lab ID: 35273274017** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 07:42	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:42	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 07:42	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 07:42	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 07:42	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:42	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:42	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 07:42	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 07:42	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 07:42	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:42	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 07:42	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 07:42	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:42	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 07:42	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 07:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 07:42	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 07:42	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 07:42	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 07:42	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 07:42	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 07:42	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-13 **Lab ID: 35273274017** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	106	%	89-111		1		11/03/16 07:42	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	75-135		1		11/03/16 07:42	17060-07-0	
Toluene-d8 (S)	100	%	89-112		1		11/03/16 07:42	2037-26-5	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-14 **Lab ID: 35273274018** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/03/16 08:09	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 08:09	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 08:09	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 08:09	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 08:09	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 08:09	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 08:09	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 08:09	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 08:09	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 08:09	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 08:09	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 08:09	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 08:09	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 08:09	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 08:09	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 08:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 08:09	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 08:09	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 08:09	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 08:09	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 08:09	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 08:09	1330-20-7	

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ANALYTICAL RESULTS

Project: 1614837
Pace Project No.: 35273274

Sample: TRIP BLANK - 1614837-14 **Lab ID: 35273274018** Collected: 10/27/16 00:01 Received: 10/29/16 00:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	105	%	89-111		1		11/03/16 08:09	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	75-135		1		11/03/16 08:09	17060-07-0	
Toluene-d8 (S)	99	%	89-112		1		11/03/16 08:09	2037-26-5	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

QC Batch: 329948 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35273274006, 35273274007, 35273274008, 35273274009

METHOD BLANK: 1762604 Matrix: Water
Associated Lab Samples: 35273274006, 35273274007, 35273274008, 35273274009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	11/04/16 16:09	

LABORATORY CONTROL SAMPLE: 1762605

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1762606 1762607

Parameter	Units	35272736001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	1.7	1.8	86	90	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

QC Batch: 330327 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005

METHOD BLANK: 1765312 Matrix: Water
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	11/07/16 14:23	

LABORATORY CONTROL SAMPLE: 1765313

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1765314 1765315

Parameter	Units	35273037004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	1.9	1.9	93	94	75-125	1	20	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

QC Batch: 329408 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005, 35273274006, 35273274007, 35273274008, 35273274009

METHOD BLANK: 1759444 | Matrix: Water
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005, 35273274006, 35273274007, 35273274008, 35273274009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	5.0 U	10.0	5.0	11/02/16 13:48	
Beryllium	ug/L	0.50 U	1.0	0.50	11/02/16 13:48	
Cadmium	ug/L	0.50 U	1.0	0.50	11/02/16 13:48	
Chromium	ug/L	2.5 U	5.0	2.5	11/02/16 13:48	
Cobalt	ug/L	5.0 U	10.0	5.0	11/02/16 13:48	
Copper	ug/L	2.5 U	5.0	2.5	11/02/16 13:48	
Iron	ug/L	20.0 U	40.0	20.0	11/02/16 13:48	
Nickel	ug/L	2.5 U	5.0	2.5	11/02/16 13:48	
Silver	ug/L	2.5 U	5.0	2.5	11/02/16 13:48	
Sodium	mg/L	0.50 U	1.0	0.50	11/02/16 13:48	
Vanadium	ug/L	5.0 U	10.0	5.0	11/02/16 13:48	
Zinc	ug/L	10.0 U	20.0	10.0	11/02/16 13:48	

LABORATORY CONTROL SAMPLE: 1759445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	244	98	80-120	
Beryllium	ug/L	25	27.0	108	80-120	
Cadmium	ug/L	25	26.5	106	80-120	
Chromium	ug/L	250	252	101	80-120	
Cobalt	ug/L	250	267	107	80-120	
Copper	ug/L	250	261	104	80-120	
Iron	ug/L	2500	2560	102	80-120	
Nickel	ug/L	250	262	105	80-120	
Silver	ug/L	25	24.5	98	80-120	
Sodium	mg/L	12.5	13.3	107	80-120	
Vanadium	ug/L	250	257	103	80-120	
Zinc	ug/L	1250	1310	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1759446 1759447

Parameter	Units	35273187001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	10.3	250	250	254	256	97	98	75-125	1	20	
Beryllium	ug/L	0.50 U	25	25	27.7	28.1	110	112	75-125	1	20	
Cadmium	ug/L	0.50 U	25	25	26.2	26.6	105	106	75-125	1	20	
Chromium	ug/L	2.5 U	250	250	254	255	101	102	75-125	1	20	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1759446 1759447

Parameter	Units	35273187001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	5.0 U	250	250	265	271	106	108	75-125	2	20	
Copper	ug/L	2.5 U	250	250	265	271	105	108	75-125	2	20	
Iron	ug/L	20.0 U	2500	2500	2570	2610	102	104	75-125	1	20	
Nickel	ug/L	2.5 U	250	250	262	265	105	106	75-125	1	20	
Silver	ug/L	2.5 U	25	25	24.8	24.8	99	99	75-125	0	20	
Sodium	mg/L	2.6	12.5	12.5	16.0	16.3	107	110	75-125	2	20	
Vanadium	ug/L	5.0 U	250	250	260	264	103	105	75-125	1	20	
Zinc	ug/L	10.0 U	1250	1250	1300	1330	104	106	75-125	2	20	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

QC Batch: 329410 | Analysis Method: EPA 6020
QC Batch Method: EPA 3010 | Analysis Description: 6020 MET
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005, 35273274006, 35273274007, 35273274008, 35273274009

METHOD BLANK: 1759452 | Matrix: Water
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005, 35273274006, 35273274007, 35273274008, 35273274009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/02/16 10:21	
Arsenic	ug/L	0.50 U	1.0	0.50	11/02/16 10:21	
Lead	ug/L	0.50 U	1.0	0.50	11/02/16 10:21	
Selenium	ug/L	0.50 U	1.0	0.50	11/02/16 10:21	
Thallium	ug/L	0.50 U	1.0	0.50	11/02/16 10:21	

LABORATORY CONTROL SAMPLE: 1759453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	47.3	95	80-120	
Arsenic	ug/L	50	49.9	100	80-120	
Lead	ug/L	50	48.9	98	80-120	
Selenium	ug/L	50	51.2	102	80-120	
Thallium	ug/L	50	49.1	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1759454 1759455

Parameter	Units	35273187002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	47.8	49.2	96	98	75-125	3	20	
Arsenic	ug/L	0.50 U	50	50	49.1	49.1	98	98	75-125	0	20	
Lead	ug/L	0.50 U	50	50	50.9	51.7	102	103	75-125	2	20	
Selenium	ug/L	0.50 U	50	50	50.3	50.0	100	99	75-125	1	20	
Thallium	ug/L	0.50 U	50	50	51.8	52.5	103	105	75-125	1	20	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

QC Batch: 329660 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005, 35273274006

METHOD BLANK: 1760990 Matrix: Water
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005, 35273274006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/02/16 14:12	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/02/16 14:12	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/02/16 14:12	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/02/16 14:12	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/02/16 14:12	
Acetone	ug/L	10.0 U	20.0	10.0	11/02/16 14:12	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/02/16 14:12	
Benzene	ug/L	0.10 U	1.0	0.10	11/02/16 14:12	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/02/16 14:12	
Bromoform	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Bromomethane	ug/L	0.50 U	5.0	0.50	11/02/16 14:12	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/02/16 14:12	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Chloroethane	ug/L	0.50 U	10.0	0.50	11/02/16 14:12	
Chloroform	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/02/16 14:12	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/02/16 14:12	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/02/16 14:12	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/02/16 14:12	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/02/16 14:12	
Styrene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Toluene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/02/16 14:12	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/02/16 14:12	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

METHOD BLANK: 1760990 Matrix: Water
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005, 35273274006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/02/16 14:12	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/02/16 14:12	
Xylene (Total)	ug/L	1.5 U	3.0	1.5	11/02/16 14:12	
1,2-Dichloroethane-d4 (S)	%	93	75-135		11/02/16 14:12	
4-Bromofluorobenzene (S)	%	109	89-111		11/02/16 14:12	
Toluene-d8 (S)	%	96	89-112		11/02/16 14:12	

LABORATORY CONTROL SAMPLE: 1760991

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.3	97	70-130	
1,1,1-Trichloroethane	ug/L	20	18.3	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.6	93	70-130	
1,1,2-Trichloroethane	ug/L	20	18.9	94	70-130	
1,1-Dichloroethane	ug/L	20	16.1	81	70-130	
1,1-Dichloroethene	ug/L	20	16.5	83	65-134	
1,2,3-Trichloropropane	ug/L	20	18.2	91	65-135	
1,2-Dichlorobenzene	ug/L	20	21.2	106	70-130	
1,2-Dichloroethane	ug/L	20	17.0	85	70-130	
1,2-Dichloropropane	ug/L	20	15.6	78	70-130	
1,4-Dichlorobenzene	ug/L	20	20.0	100	70-130	
2-Butanone (MEK)	ug/L	40	37.4	93	61-129	
2-Hexanone	ug/L	40	38.2	95	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	38.9	97	70-130	
Acetone	ug/L	40	41.2	103	44-155	
Acrylonitrile	ug/L	200	156	78	59-138	
Benzene	ug/L	20	17.1	86	70-130	
Bromochloromethane	ug/L	20	19.0	95	70-130	
Bromodichloromethane	ug/L	20	18.2	91	70-130	
Bromoform	ug/L	20	19.2	96	62-129	
Bromomethane	ug/L	20	17.2	86	10-179	
Carbon disulfide	ug/L	20	17.1	85	40-156	
Carbon tetrachloride	ug/L	20	17.7	89	66-127	
Chlorobenzene	ug/L	20	19.1	96	70-130	
Chloroethane	ug/L	20	13.8	69	57-142	
Chloroform	ug/L	20	18.2	91	70-130	
Chloromethane	ug/L	20	18.6	93	45-150	
cis-1,2-Dichloroethene	ug/L	20	16.2	81	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.9	90	70-130	
Dibromochloromethane	ug/L	20	19.3	96	70-130	
Dibromomethane	ug/L	20	20.1	100	70-130	
Ethylbenzene	ug/L	20	18.5	92	70-130	
Iodomethane	ug/L	40	31.6	79	21-150	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

LABORATORY CONTROL SAMPLE: 1760991

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	14.6	73	65-127	
Styrene	ug/L	20	21.8	109	70-130	
Tetrachloroethene	ug/L	20	18.7	94	48-155	
Toluene	ug/L	20	18.7	93	70-130	
trans-1,2-Dichloroethene	ug/L	20	16.0	80	68-126	
trans-1,3-Dichloropropene	ug/L	20	19.1	96	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	22.0	110	46-138	
Trichloroethene	ug/L	20	17.7	88	69-129	
Trichlorofluoromethane	ug/L	20	20.8	104	60-144	
Vinyl acetate	ug/L	20	18.1	90	70-130	
Vinyl chloride	ug/L	20	18.3	92	67-136	
Xylene (Total)	ug/L	60	58.8	98	70-130	
1,2-Dichloroethane-d4 (S)	%			94	75-135	
4-Bromofluorobenzene (S)	%			106	89-111	
Toluene-d8 (S)	%			96	89-112	

MATRIX SPIKE SAMPLE: 1762540

Parameter	Units	35273274002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	19.3	97	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	19.6	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	19.1	96	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	19.0	95	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	16.7	83	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	18.7	94	65-134	
1,2,3-Trichloropropane	ug/L	0.59 U	20	18.5	92	65-135	
1,2-Dichlorobenzene	ug/L	0.50 U	20	20.8	104	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	17.8	89	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	16.2	81	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	19.7	98	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	37.6	94	61-129	
2-Hexanone	ug/L	5.0 U	40	37.2	93	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	38.4	96	70-130	
Acetone	ug/L	10.0 U	40	37.4	93	44-155	
Acrylonitrile	ug/L	5.0 U	200	151	75	59-138	
Benzene	ug/L	0.10 U	20	18.0	90	70-130	
Bromochloromethane	ug/L	0.50 U	20	19.0	95	70-130	
Bromodichloromethane	ug/L	0.27 U	20	18.7	93	70-130	
Bromoform	ug/L	0.50 U	20	16.9	85	62-129	
Bromomethane	ug/L	0.50 U	20	16.3	82	10-179	
Carbon disulfide	ug/L	5.0 U	20	17.4	86	40-156	
Carbon tetrachloride	ug/L	0.50 U	20	19.0	95	66-127	
Chlorobenzene	ug/L	0.50 U	20	19.5	97	70-130	
Chloroethane	ug/L	0.50 U	20	17.9	89	57-142	
Chloroform	ug/L	0.50 U	20	18.7	94	70-130	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

MATRIX SPIKE SAMPLE: 1762540

Parameter	Units	35273274002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	19.7	99	45-150	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	16.9	84	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	17.7	89	70-130	
Dibromochloromethane	ug/L	0.26 U	20	18.6	93	70-130	
Dibromomethane	ug/L	0.50 U	20	19.6	98	70-130	
Ethylbenzene	ug/L	0.50 U	20	19.3	96	70-130	
Iodomethane	ug/L	0.50 U	40	32.7	82	21-150	
Methylene Chloride	ug/L	2.5 U	20	15.2	76	65-127	
Styrene	ug/L	0.50 U	20	21.5	107	70-130	
Tetrachloroethene	ug/L	0.50 U	20	16.9	84	48-155	
Toluene	ug/L	0.50 U	20	18.6	93	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	16.9	85	68-126	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	17.9	89	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	19.5	97	46-138	
Trichloroethene	ug/L	0.50 U	20	18.3	91	69-129	
Trichlorofluoromethane	ug/L	0.50 U	20	24.6	123	60-144	
Vinyl acetate	ug/L	1.0 U	20	18.4	92	70-130	
Vinyl chloride	ug/L	0.50 U	20	22.0	110	67-136	
Xylene (Total)	ug/L	1.5 U	60	60.5	101	70-130	
1,2-Dichloroethane-d4 (S)	%				97	75-135	
4-Bromofluorobenzene (S)	%				105	89-111	
Toluene-d8 (S)	%				96	89-112	

SAMPLE DUPLICATE: 1762539

Parameter	Units	35273274001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

SAMPLE DUPLICATE: 1762539

Parameter	Units	35273274001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	1.5 U	1.5 U		40	
1,2-Dichloroethane-d4 (S)	%	93	94	0	40	
4-Bromofluorobenzene (S)	%	108	106	3	40	
Toluene-d8 (S)	%	95	95	1	40	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

QC Batch: 329693 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35273274007, 35273274008, 35273274009, 35273274010, 35273274011, 35273274012, 35273274013, 35273274014, 35273274015, 35273274016, 35273274017, 35273274018

METHOD BLANK: 1761246 Matrix: Water
Associated Lab Samples: 35273274007, 35273274008, 35273274009, 35273274010, 35273274011, 35273274012, 35273274013, 35273274014, 35273274015, 35273274016, 35273274017, 35273274018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/03/16 04:06	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/03/16 04:06	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/03/16 04:06	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/03/16 04:06	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/03/16 04:06	
Acetone	ug/L	10.0 U	20.0	10.0	11/03/16 04:06	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/03/16 04:06	
Benzene	ug/L	0.10 U	1.0	0.10	11/03/16 04:06	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/03/16 04:06	
Bromoform	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Bromomethane	ug/L	0.50 U	5.0	0.50	11/03/16 04:06	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/03/16 04:06	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Chloroethane	ug/L	0.50 U	10.0	0.50	11/03/16 04:06	
Chloroform	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/03/16 04:06	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/03/16 04:06	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/03/16 04:06	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/03/16 04:06	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/03/16 04:06	
Styrene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Toluene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/03/16 04:06	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/03/16 04:06	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

METHOD BLANK: 1761246 Matrix: Water

Associated Lab Samples: 35273274007, 35273274008, 35273274009, 35273274010, 35273274011, 35273274012, 35273274013, 35273274014, 35273274015, 35273274016, 35273274017, 35273274018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/03/16 04:06	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/03/16 04:06	
Xylene (Total)	ug/L	1.5 U	3.0	1.5	11/03/16 04:06	
1,2-Dichloroethane-d4 (S)	%	105	75-135		11/03/16 04:06	
4-Bromofluorobenzene (S)	%	107	89-111		11/03/16 04:06	
Toluene-d8 (S)	%	104	89-112		11/03/16 04:06	

LABORATORY CONTROL SAMPLE: 1761247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.3	102	70-130	
1,1,1-Trichloroethane	ug/L	20	19.8	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.2	96	70-130	
1,1,2-Trichloroethane	ug/L	20	20.8	104	70-130	
1,1-Dichloroethane	ug/L	20	20.5	103	70-130	
1,1-Dichloroethene	ug/L	20	22.8	114	65-134	
1,2,3-Trichloropropane	ug/L	20	22.4	112	65-135	
1,2-Dichlorobenzene	ug/L	20	22.0	110	70-130	
1,2-Dichloroethane	ug/L	20	19.9	100	70-130	
1,2-Dichloropropane	ug/L	20	20.0	100	70-130	
1,4-Dichlorobenzene	ug/L	20	22.1	110	70-130	
2-Butanone (MEK)	ug/L	40	32.2	80	61-129	
2-Hexanone	ug/L	40	36.8	92	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	37.0	93	70-130	
Acetone	ug/L	40	34.4	86	44-155	
Acrylonitrile	ug/L	200	183	92	59-138	
Benzene	ug/L	20	20.5	103	70-130	
Bromochloromethane	ug/L	20	21.4	107	70-130	
Bromodichloromethane	ug/L	20	20.0	100	70-130	
Bromoform	ug/L	20	18.3	91	62-129	
Bromomethane	ug/L	20	24.9	125	10-179	
Carbon disulfide	ug/L	20	22.9	115	40-156	
Carbon tetrachloride	ug/L	20	20.4	102	66-127	
Chlorobenzene	ug/L	20	22.3	112	70-130	
Chloroethane	ug/L	20	24.3	121	57-142	
Chloroform	ug/L	20	20.9	105	70-130	
Chloromethane	ug/L	20	20.7	103	45-150	
cis-1,2-Dichloroethene	ug/L	20	20.1	100	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.6	98	70-130	
Dibromochloromethane	ug/L	20	19.8	99	70-130	
Dibromomethane	ug/L	20	20.3	102	70-130	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

LABORATORY CONTROL SAMPLE: 1761247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	20	20.9	105	70-130	
Iodomethane	ug/L	40	45.7	114	21-150	
Methylene Chloride	ug/L	20	19.6	98	65-127	
Styrene	ug/L	20	21.6	108	70-130	
Tetrachloroethene	ug/L	20	18.8	94	48-155	
Toluene	ug/L	20	20.7	104	70-130	
trans-1,2-Dichloroethene	ug/L	20	22.3	111	68-126	
trans-1,3-Dichloropropene	ug/L	20	18.7	93	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	16.8	84	46-138	
Trichloroethene	ug/L	20	21.2	106	69-129	
Trichlorofluoromethane	ug/L	20	26.9	135	60-144	
Vinyl acetate	ug/L	20	20.0	100	70-130	
Vinyl chloride	ug/L	20	24.4	122	67-136	
Xylene (Total)	ug/L	60	62.7	104	70-130	
1,2-Dichloroethane-d4 (S)	%			94	75-135	
4-Bromofluorobenzene (S)	%			103	89-111	
Toluene-d8 (S)	%			98	89-112	

MATRIX SPIKE SAMPLE: 1763105

Parameter	Units	35273491002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	20.4	102	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	21.2	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	19.1	95	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	20.5	102	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	21.4	107	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	24.9	125	65-134	
1,2,3-Trichloropropane	ug/L	0.59 U	20	19.2	96	65-135	
1,2-Dichlorobenzene	ug/L	0.50 U	20	22.2	111	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	20.3	101	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	20.1	101	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	22.0	110	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	33.4	84	61-129	
2-Hexanone	ug/L	5.0 U	40	38.9	97	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	37.1	93	70-130	
Acetone	ug/L	10.0 U	40	33.5	84	44-155	
Acrylonitrile	ug/L	5.0 U	200	182	91	59-138	
Benzene	ug/L	0.10 U	20	20.6	103	70-130	
Bromochloromethane	ug/L	0.50 U	20	21.4	107	70-130	
Bromodichloromethane	ug/L	0.27 U	20	20.2	101	70-130	
Bromoform	ug/L	0.50 U	20	17.4	87	62-129	
Bromomethane	ug/L	0.50 U	20	16.7	84	10-179	
Carbon disulfide	ug/L	5.0 U	20	25.8	129	40-156	
Carbon tetrachloride	ug/L	0.50 U	20	21.5	107	66-127	
Chlorobenzene	ug/L	0.50 U	20	23.1	116	70-130	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

MATRIX SPIKE SAMPLE: 1763105

Parameter	Units	35273491002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	0.50 U	20	25.9	130	57-142	
Chloroform	ug/L	0.50 U	20	21.0	105	70-130	
Chloromethane	ug/L	0.62 U	20	21.8	109	45-150	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	21.1	106	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	17.5	87	70-130	
Dibromochloromethane	ug/L	0.26 U	20	19.1	95	70-130	
Dibromomethane	ug/L	0.50 U	20	20.3	101	70-130	
Ethylbenzene	ug/L	0.50 U	20	21.9	109	70-130	
Iodomethane	ug/L	0.50 U	40	39.8	99	21-150	
Methylene Chloride	ug/L	2.5 U	20	19.9	99	65-127	
Styrene	ug/L	0.50 U	20	21.4	107	70-130	
Tetrachloroethene	ug/L	0.50 U	20	19.3	96	48-155	
Toluene	ug/L	0.50 U	20	22.1	110	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	22.8	114	68-126	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	17.0	85	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	11.0	55	46-138	
Trichloroethene	ug/L	0.50 U	20	21.9	110	69-129	
Trichlorofluoromethane	ug/L	0.50 U	20	29.3	146	60-144	J(M1)
Vinyl acetate	ug/L	1.0 U	20	16.9	85	70-130	
Vinyl chloride	ug/L	0.50 U	20	25.1	126	67-136	
Xylene (Total)	ug/L	1.5 U	60	64.8	108	70-130	
1,2-Dichloroethane-d4 (S)	%				100	75-135	
4-Bromofluorobenzene (S)	%				102	89-111	
Toluene-d8 (S)	%				99	89-112	

SAMPLE DUPLICATE: 1763104

Parameter	Units	35273491001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

SAMPLE DUPLICATE: 1763104

Parameter	Units	35273491001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	1.5 U	1.5 U		40	
1,2-Dichloroethane-d4 (S)	%	102	101	0	40	
4-Bromofluorobenzene (S)	%	106	107	1	40	
Toluene-d8 (S)	%	101	101	1	40	

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QUALITY CONTROL DATA

Project: 1614837
Pace Project No.: 35273274

QC Batch: 330295 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005, 35273274006, 35273274007, 35273274008, 35273274009

METHOD BLANK: 1765042 | Matrix: Water
Associated Lab Samples: 35273274001, 35273274002, 35273274003, 35273274004, 35273274005, 35273274006, 35273274007, 35273274008, 35273274009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	11/07/16 15:38	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	11/07/16 15:38	

LABORATORY CONTROL SAMPLE: 1765043

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.33	132	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.32	128	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1766786 1766787

Parameter	Units	35274361006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0047 U	.44	.44	0.48	0.50	110	115	60-140	4	40	
1,2-Dibromoethane (EDB)	ug/L	0.0072 U	.44	.44	0.50	0.52	115	120	60-140	4	40	

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QUALIFIERS

Project: 1614837
Pace Project No.: 35273274

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 adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

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.

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1614837
Pace Project No.: 35273274

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35273274001	**1614837-06**	EPA 8011	330295	EPA 8011	330548
35273274002	**1614837-07**	EPA 8011	330295	EPA 8011	330548
35273274003	**1614837-08**	EPA 8011	330295	EPA 8011	330548
35273274004	**1614837-09**	EPA 8011	330295	EPA 8011	330548
35273274005	**1614837-10**	EPA 8011	330295	EPA 8011	330548
35273274006	**1614837-11**	EPA 8011	330295	EPA 8011	330548
35273274007	**1614837-12**	EPA 8011	330295	EPA 8011	330548
35273274008	**1614837-13**	EPA 8011	330295	EPA 8011	330548
35273274009	**1614837-14**	EPA 8011	330295	EPA 8011	330548
35273274001	**1614837-06**	EPA 3010	329408	EPA 6010	329484
35273274002	**1614837-07**	EPA 3010	329408	EPA 6010	329484
35273274003	**1614837-08**	EPA 3010	329408	EPA 6010	329484
35273274004	**1614837-09**	EPA 3010	329408	EPA 6010	329484
35273274005	**1614837-10**	EPA 3010	329408	EPA 6010	329484
35273274006	**1614837-11**	EPA 3010	329408	EPA 6010	329484
35273274007	**1614837-12**	EPA 3010	329408	EPA 6010	329484
35273274008	**1614837-13**	EPA 3010	329408	EPA 6010	329484
35273274009	**1614837-14**	EPA 3010	329408	EPA 6010	329484
35273274001	**1614837-06**	EPA 3010	329410	EPA 6020	329486
35273274002	**1614837-07**	EPA 3010	329410	EPA 6020	329486
35273274003	**1614837-08**	EPA 3010	329410	EPA 6020	329486
35273274004	**1614837-09**	EPA 3010	329410	EPA 6020	329486
35273274005	**1614837-10**	EPA 3010	329410	EPA 6020	329486
35273274006	**1614837-11**	EPA 3010	329410	EPA 6020	329486
35273274007	**1614837-12**	EPA 3010	329410	EPA 6020	329486
35273274008	**1614837-13**	EPA 3010	329410	EPA 6020	329486
35273274009	**1614837-14**	EPA 3010	329410	EPA 6020	329486
35273274001	**1614837-06**	EPA 7470	330327	EPA 7470	330344
35273274002	**1614837-07**	EPA 7470	330327	EPA 7470	330344
35273274003	**1614837-08**	EPA 7470	330327	EPA 7470	330344
35273274004	**1614837-09**	EPA 7470	330327	EPA 7470	330344
35273274005	**1614837-10**	EPA 7470	330327	EPA 7470	330344
35273274006	**1614837-11**	EPA 7470	329948	EPA 7470	330032
35273274007	**1614837-12**	EPA 7470	329948	EPA 7470	330032
35273274008	**1614837-13**	EPA 7470	329948	EPA 7470	330032
35273274009	**1614837-14**	EPA 7470	329948	EPA 7470	330032
35273274001	**1614837-06**	EPA 8260	329660		
35273274002	**1614837-07**	EPA 8260	329660		
35273274003	**1614837-08**	EPA 8260	329660		
35273274004	**1614837-09**	EPA 8260	329660		
35273274005	**1614837-10**	EPA 8260	329660		
35273274006	**1614837-11**	EPA 8260	329660		
35273274007	**1614837-12**	EPA 8260	329693		
35273274008	**1614837-13**	EPA 8260	329693		
35273274009	**1614837-14**	EPA 8260	329693		
35273274010	**TRIP BLANK - 1614837-06**	EPA 8260	329693		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1614837
Pace Project No.: 35273274

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35273274011	**TRIP BLANK - 1614837-07**	EPA 8260	329693		
35273274012	**TRIP BLANK - 1614837-08**	EPA 8260	329693		
35273274013	**TRIP BLANK - 1614837-09**	EPA 8260	329693		
35273274014	**TRIP BLANK - 1614837-10**	EPA 8260	329693		
35273274015	**TRIP BLANK - 1614837-11**	EPA 8260	329693		
35273274016	**TRIP BLANK - 1614837-12**	EPA 8260	329693		
35273274017	**TRIP BLANK - 1614837-13**	EPA 8260	329693		
35273274018	**TRIP BLANK - 1614837-14**	EPA 8260	329693		

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WO#: 35273274

35273274

SUBCONTRACT ORDER

uthern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-06	**Water**	**Sampled: 10/26/16 11:30**		
HG 7470	11/04/16 00:00	11/23/16 11:30		
BE 6010	11/04/16 00:00	04/24/17 11:30		
AG 6010	11/04/16 00:00	04/24/17 11:30		
ZN 6020	11/04/16 00:00	04/24/17 11:30		
SE 6020	11/04/16 00:00	04/24/17 11:30		
TL 6020	11/04/16 00:00	04/24/17 11:30		
Tracking - ADaPT Report	11/04/16 00:00	10/26/16 11:30		
FE 6010	11/04/16 00:00	04/24/17 11:30		
NA 6010	11/04/16 00:00	04/24/17 11:30		
8011	11/04/16 00:00	11/08/16 11:30		
CU 6020	11/04/16 00:00	04/24/17 11:30		
CD 6020	11/04/16 00:00	04/24/17 11:30		
8260 Appendix I	11/04/16 00:00	11/09/16 11:30		
V 6010	11/04/16 00:00	04/24/17 11:30		
SB 6020	11/04/16 00:00	04/24/17 11:30		
BA 6010	11/04/16 00:00	04/24/17 11:30		
NI 6020	11/04/16 00:00	04/24/17 11:30		
AS 6020	11/04/16 00:00	04/24/17 11:30		
CR 6020	11/04/16 00:00	04/24/17 11:30		
CO 6010	11/04/16 00:00	04/24/17 11:30		
PB 6020	11/04/16 00:00	04/24/17 11:30		

Containers Supplied:

Released By	Date	Received By	Date
HJL	102816 / 1400	JM T-270	10/29/16 00:05

SUBCONTRACT ORDER

Southern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-07	**Water**	**Sampled:10/26/16 12:36**		
8260 Appendix I	11/04/16 00:00	11/09/16 12:36		
NA 6010	11/04/16 00:00	04/24/17 12:36		
8011	11/04/16 00:00	11/08/16 12:36		
CO 6010	11/04/16 00:00	04/24/17 12:36		
CD 6020	11/04/16 00:00	04/24/17 12:36		
BE 6010	11/04/16 00:00	04/24/17 12:36		
BA 6010	11/04/16 00:00	04/24/17 12:36		
CR 6020	11/04/16 00:00	04/24/17 12:36		
AS 6020	11/04/16 00:00	04/24/17 12:36		
HG 7470	11/04/16 00:00	11/23/16 12:36		
PB 6020	11/04/16 00:00	04/24/17 12:36		
FE 6010	11/04/16 00:00	04/24/17 12:36		
ZN 6020	11/04/16 00:00	04/24/17 12:36		
V 6010	11/04/16 00:00	04/24/17 12:36		
Tracking - ADaPT Report	11/04/16 00:00	10/26/16 12:36		
TL 6020	11/04/16 00:00	04/24/17 12:36		
SE 6020	11/04/16 00:00	04/24/17 12:36		
SB 6020	11/04/16 00:00	04/24/17 12:36		
CU 6020	11/04/16 00:00	04/24/17 12:36		
NI 6020	11/04/16 00:00	04/24/17 12:36		
AG 6010	11/04/16 00:00	04/24/17 12:36		

Containers Supplied:

Released By	Date	Received By	Date
MJM	102816 / 1400	JM T-270	10/29/16 00:05

SUBCONTRACT ORDER

Southern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-08	**Water**	**Sampled:10/26/16 14:15**		
CU 6020	11/04/16 00:00	04/24/17 14:15		
CR 6020	11/04/16 00:00	04/24/17 14:15		
ZN 6020	11/04/16 00:00	04/24/17 14:15		
V 6010	11/04/16 00:00	04/24/17 14:15		
Tracking - ADaPT Report	11/04/16 00:00	10/26/16 14:15		
TL 6020	11/04/16 00:00	04/24/17 14:15		
8260 Appendix I	11/04/16 00:00	11/09/16 14:15		
AG 6010	11/04/16 00:00	04/24/17 14:15		
HG 7470	11/04/16 00:00	11/23/16 14:15		
8011	11/04/16 00:00	11/08/16 14:15		
NI 6020	11/04/16 00:00	04/24/17 14:15		
FE 6010	11/04/16 00:00	04/24/17 14:15		
CO 6010	11/04/16 00:00	04/24/17 14:15		
CD 6020	11/04/16 00:00	04/24/17 14:15		
BE 6010	11/04/16 00:00	04/24/17 14:15		
BA 6010	11/04/16 00:00	04/24/17 14:15		
AS 6020	11/04/16 00:00	04/24/17 14:15		
SE 6020	11/04/16 00:00	04/24/17 14:15		
SB 6020	11/04/16 00:00	04/24/17 14:15		
PB 6020	11/04/16 00:00	04/24/17 14:15		
NA 6010	11/04/16 00:00	04/24/17 14:15		

Containers Supplied:

Released By	Date	Received By	Date
MJM	102816 1400	JM T-270	10/29/16 00:05

SUBCONTRACT ORDER

Southern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-09	**Water**	**Sampled:10/26/16 15:15**		
Tracking - ADaPT Report	11/04/16 00:00	10/26/16 15:15		
TL 6020	11/04/16 00:00	04/24/17 15:15		
8260 Appendix I	11/04/16 00:00	11/09/16 15:15		
V 6010	11/04/16 00:00	04/24/17 15:15		
AG 6010	11/04/16 00:00	04/24/17 15:15		
NA 6010	11/04/16 00:00	04/24/17 15:15		
HG 7470	11/04/16 00:00	11/23/16 15:15		
8011	11/04/16 00:00	11/08/16 15:15		
CO 6010	11/04/16 00:00	04/24/17 15:15		
SB 6020	11/04/16 00:00	04/24/17 15:15		
PB 6020	11/04/16 00:00	04/24/17 15:15		
FE 6010	11/04/16 00:00	04/24/17 15:15		
ZN 6020	11/04/16 00:00	04/24/17 15:15		
CU 6020	11/04/16 00:00	04/24/17 15:15		
CR 6020	11/04/16 00:00	04/24/17 15:15		
AS 6020	11/04/16 00:00	04/24/17 15:15		
BA 6010	11/04/16 00:00	04/24/17 15:15		
SE 6020	11/04/16 00:00	04/24/17 15:15		
NI 6020	11/04/16 00:00	04/24/17 15:15		
CD 6020	11/04/16 00:00	04/24/17 15:15		
BE 6010	11/04/16 00:00	04/24/17 15:15		

Containers Supplied:

Released By	Date	Received By	Date
MJM	102816 1400	MM T-270	10/29/16 00:05

SUBCONTRACT ORDER

Southern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-10	**Water**	**Sampled: 10/26/16 16:40**		
SE 6020	11/04/16 00:00	04/24/17 16:40		
TL 6020	11/04/16 00:00	04/24/17 16:40		
Tracking - ADaPT Report	11/04/16 00:00	10/26/16 16:40		
PB 6020	11/04/16 00:00	04/24/17 16:40		
CU 6020	11/04/16 00:00	04/24/17 16:40		
8011	11/04/16 00:00	11/08/16 16:40		
NI 6020	11/04/16 00:00	04/24/17 16:40		
NA 6010	11/04/16 00:00	04/24/17 16:40		
HG 7470	11/04/16 00:00	11/23/16 16:40		
FE 6010	11/04/16 00:00	04/24/17 16:40		
8260 Appendix I	11/04/16 00:00	11/09/16 16:40		
ZN 6020	11/04/16 00:00	04/24/17 16:40		
V 6010	11/04/16 00:00	04/24/17 16:40		
SB 6020	11/04/16 00:00	04/24/17 16:40		
AG 6010	11/04/16 00:00	04/24/17 16:40		
CR 6020	11/04/16 00:00	04/24/17 16:40		
CO 6010	11/04/16 00:00	04/24/17 16:40		
CD 6020	11/04/16 00:00	04/24/17 16:40		
BE 6010	11/04/16 00:00	04/24/17 16:40		
AS 6020	11/04/16 00:00	04/24/17 16:40		
BA 6010	11/04/16 00:00	04/24/17 16:40		

Containers Supplied:

Released By	Date	Received By	Date
MJM	102816/1400	MM T-270	10/29/16 00:05

SUBCONTRACT ORDER

Southern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-11	**Water**	**Sampled:10/27/16 12:07**		
AG 6010	11/04/16 00:00	04/25/17 12:07		
NI 6020	11/04/16 00:00	04/25/17 12:07		
NA 6010	11/04/16 00:00	04/25/17 12:07		
HG 7470	11/04/16 00:00	11/24/16 12:07		
FE 6010	11/04/16 00:00	04/25/17 12:07		
CU 6020	11/04/16 00:00	04/25/17 12:07		
ZN 6020	11/04/16 00:00	04/25/17 12:07		
BA 6010	11/04/16 00:00	04/25/17 12:07		
BE 6010	11/04/16 00:00	04/25/17 12:07		
PB 6020	11/04/16 00:00	04/25/17 12:07		
V 6010	11/04/16 00:00	04/25/17 12:07		
AS 6020	11/04/16 00:00	04/25/17 12:07		
CD 6020	11/04/16 00:00	04/25/17 12:07		
CO 6010	11/04/16 00:00	04/25/17 12:07		
CR 6020	11/04/16 00:00	04/25/17 12:07		
SE 6020	11/04/16 00:00	04/25/17 12:07		
TL 6020	11/04/16 00:00	04/25/17 12:07		
Tracking - ADaPT Report	11/04/16 00:00	10/27/16 12:07		
SB 6020	11/04/16 00:00	04/25/17 12:07		
8011	11/04/16 00:00	11/09/16 12:07		
8260 Appendix I	11/04/16 00:00	11/10/16 12:07		
Containers Supplied:				

Released By	Date	Received By	Date
MJM	102816/1400	JM T-270	10/29/16 00:05

SUBCONTRACT ORDER

Southern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-12	**Water**	**Sampled: 10/27/16 13:12**		
AS 6020	11/04/16 00:00	04/25/17 13:12		
BA 6010	11/04/16 00:00	04/25/17 13:12		
FE 6010	11/04/16 00:00	04/25/17 13:12		
CU 6020	11/04/16 00:00	04/25/17 13:12		
CR 6020	11/04/16 00:00	04/25/17 13:12		
ZN 6020	11/04/16 00:00	04/25/17 13:12		
NA 6010	11/04/16 00:00	04/25/17 13:12		
V 6010	11/04/16 00:00	04/25/17 13:12		
HG 7470	11/04/16 00:00	11/24/16 13:12		
PB 6020	11/04/16 00:00	04/25/17 13:12		
SB 6020	11/04/16 00:00	04/25/17 13:12		
Tracking - ADaPT Report	11/04/16 00:00	10/27/16 13:12		
BE 6010	11/04/16 00:00	04/25/17 13:12		
CD 6020	11/04/16 00:00	04/25/17 13:12		
CO 6010	11/04/16 00:00	04/25/17 13:12		
AG 6010	11/04/16 00:00	04/25/17 13:12		
TL 6020	11/04/16 00:00	04/25/17 13:12		
SE 6020	11/04/16 00:00	04/25/17 13:12		
8011	11/04/16 00:00	11/09/16 13:12		
8260 Appendix I	11/04/16 00:00	11/10/16 13:12		
NI 6020	11/04/16 00:00	04/25/17 13:12		

Containers Supplied:

Released By	Date	Received By	Date
MJH	102816 1400	JW T-270	10/29/16 00:05

SUBCONTRACT ORDER

Southern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-13	**Water**	**Sampled: 10/27/16 14:25**		
FE 6010	11/04/16 00:00	04/25/17 14:25		
ZN 6020	11/04/16 00:00	04/25/17 14:25		
V 6010	11/04/16 00:00	04/25/17 14:25		
SE 6020	11/04/16 00:00	04/25/17 14:25		
SB 6020	11/04/16 00:00	04/25/17 14:25		
BE 6010	11/04/16 00:00	04/25/17 14:25		
BA 6010	11/04/16 00:00	04/25/17 14:25		
NA 6010	11/04/16 00:00	04/25/17 14:25		
8260 Appendix I	11/04/16 00:00	11/10/16 14:25		
8011	11/04/16 00:00	11/09/16 14:25		
Tracking - ADaPT Report	11/04/16 00:00	10/27/16 14:25		
TL 6020	11/04/16 00:00	04/25/17 14:25		
HG 7470	11/04/16 00:00	11/24/16 14:25		
AG 6010	11/04/16 00:00	04/25/17 14:25		
AS 6020	11/04/16 00:00	04/25/17 14:25		
NI 6020	11/04/16 00:00	04/25/17 14:25		
CU 6020	11/04/16 00:00	04/25/17 14:25		
CR 6020	11/04/16 00:00	04/25/17 14:25		
CO 6010	11/04/16 00:00	04/25/17 14:25		
CD 6020	11/04/16 00:00	04/25/17 14:25		
PB 6020	11/04/16 00:00	04/25/17 14:25		

Containers Supplied:

Released By	Date	Received By	Date
MJM	102816 1400	JM T-270	10/29/16 00:05

SUBCONTRACT ORDER

Southern Analytical Laboratories, Inc.

1614837

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1614837-14	**Water**	**Sampled:10/27/16 15:55**		
ZN 6020	11/04/16 00:00	04/25/17 15:55		
BE 6010	11/04/16 00:00	04/25/17 15:55		
NI 6020	11/04/16 00:00	04/25/17 15:55		
V 6010	11/04/16 00:00	04/25/17 15:55		
TL 6020	11/04/16 00:00	04/25/17 15:55		
SE 6020	11/04/16 00:00	04/25/17 15:55		
SB 6020	11/04/16 00:00	04/25/17 15:55		
Tracking - ADaPT Report	11/04/16 00:00	10/27/16 15:55		
PB 6020	11/04/16 00:00	04/25/17 15:55		
AG 6010	11/04/16 00:00	04/25/17 15:55		
8260 Appendix I	11/04/16 00:00	11/10/16 15:55		
CD 6020	11/04/16 00:00	04/25/17 15:55		
CU 6020	11/04/16 00:00	04/25/17 15:55		
BA 6010	11/04/16 00:00	04/25/17 15:55		
AS 6020	11/04/16 00:00	04/25/17 15:55		
CO 6010	11/04/16 00:00	04/25/17 15:55		
CR 6020	11/04/16 00:00	04/25/17 15:55		
8011	11/04/16 00:00	11/09/16 15:55		

Containers Supplied:

Released By	Date	Received By	Date
MDM	102816 1400	MM T-770	10/29/16 00:05

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: August 10, 2016
	Document No.: F-FL-C-007 rev. 10	Issuing Authority: Pace Florida Quality Office

Sam **WO# : 35273274**

Project # PM: LAP Due Date: 11/07/16
Project Manager: CLIENT: 37-SOUANA
Client:

Date and Initials of person:
Examining contents: _____
Label: _____
Deliver: _____
pH: K.P.

Thermometer Used: T-270 Date: 10/29/16 Time: 0085 Initials: AS

Samples shorted to lab (If Yes, complete) Shorted Date: _____ Shorted Time: _____ Qty: _____

Cooler #1 Temp.°C 2-3 (Visual) +0.3 (Correction Factor) 2-6 (Actual) ☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual) ☐ Samples on ice, cooling process has begun

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace ☐ Other _____
Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ Other _____
Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Unknown
Tracking # _____

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals intact:** ☐ Yes ☑ No **Ice:** (Wet) Blue None
Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☑ Other 2L

		Comments:
Chain of Custody Present	☐Yes ☐No ☐N/A	
Chain of Custody Filled Out	☑Yes ☐No ☐N/A	
Relinquished Signature & Sampler Name COC	☑Yes ☐No ☐N/A	
Samples Arrived within Hold Time	☑Yes ☐No ☐N/A	
Rush TAT requested on COC	☐Yes ☑No ☐N/A	
Sufficient Volume	☑Yes ☐No ☐N/A	
Correct Containers Used	☑Yes ☐No ☐N/A	
Containers Intact	☑Yes ☐No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑Yes ☐No ☐N/A	
All containers needing acid/base preservation have been checked.	☑Yes ☐No ☐N/A	Preservation Information
All Containers needing preservation are found to be in compliance with EPA recommendation	☑Yes ☐No ☐N/A	Preservative: _____ Lot #/Trace # _____ Date _____ Time: _____ Initials _____
Exceptions: VOA, Coliform, TOC, O&G, Carbamates		
Headspace in VOA Vials? (>6mm):	☑Yes ☐No ☐N/A	
Trip Blank Present:	☑Yes ☐No ☐N/A	

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

Comments/ Resolution (use back for additional comments): _____

Project Manager Review: _____ Date: _____