



Pace Analytical Services, Inc.  
3610 Park Central Blvd N  
Pompano Beach, FL 33064  
954-582-4300

February 27, 2012

Clive Powell  
Miami Dade Water & Sewer-South  
8950 SW 232 Street  
Miami, FL 33190

RE: Project: Annual Priority Pollutant  
Pace Project No.: 3550290

Dear Clive Powell:

Enclosed are the analytical results for sample(s) received by the laboratory on February 17, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Rossy Guima

rossy.guima@pacelabs.com  
Project Manager

Enclosures

cc: Accounts Payable, Miami Dade Water & Sewer  
Department



**REPORT OF LABORATORY ANALYSIS**

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### CERTIFICATIONS

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

#### Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174

Alabama Certification #: 41320

Arizona Certification #: AZ0735

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH 0216

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

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Massachusetts Certification #: M-FL1264

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nevada Certification: FL NELAC Reciprocity

New Hampshire Certification #: 2958

New Jersey Certification #: FL765

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

U.S. Virgin Islands Certification: FL NELAC Reciprocity

Virginia Certification #: 00432

Virginia Environmental Certificate #: 460165

Washington Certification #: C955

Wyoming Certification: FL NELAC Reciprocity

Wyoming (EPA Region 8): FL NELAC Reciprocity



### SAMPLE SUMMARY

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3550290001	Influent East	Water	02/15/12 23:00	02/17/12 13:07
3550290002	Influent West	Water	02/15/12 23:00	02/17/12 13:07
3550290003	Combined Effluent	Water	02/15/12 23:00	02/17/12 13:07
3550290004	Cake	Solid	02/16/12 10:40	02/17/12 13:07

### REPORT OF LABORATORY ANALYSIS



**SAMPLE ANALYTE COUNT**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3550290001	Influent East	EPA 608	BAG	27	PASI-O
		EPA 200.7	IST	12	PASI-O
		EPA 200.8	HEA	1	PASI-O
		EPA 245.1	HEA	1	PASI-O
		EPA 625	JEZ	63	PASI-O
		EPA 624	SK	31	PASI-O
		EPA 1664A	JGW	1	PASI-O
3550290002	Influent West	EPA 608	BAG	27	PASI-O
		EPA 200.7	IST	12	PASI-O
		EPA 200.8	HEA	1	PASI-O
		EPA 245.1	HEA	1	PASI-O
		EPA 625	JEZ	63	PASI-O
		EPA 624	SK	31	PASI-O
		EPA 1664A	JGW	1	PASI-O
3550290003	Combined Effluent	EPA 608	BAG	27	PASI-O
		EPA 200.7	IST	12	PASI-O
		EPA 200.8	HEA	1	PASI-O
		EPA 245.1	HEA	1	PASI-O
		EPA 625	JEZ	63	PASI-O
		EPA 624	SK	31	PASI-O
		EPA 1664A	JGW	1	PASI-O
3550290004	Cake	EPA 8081	JLG	22	PASI-O
		EPA 8081	BAG	9	PASI-O
		EPA 8082	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	TAP	12	PASI-O
		EPA 6010	TAP	7	PASI-O
		EPA 7470	HEA	1	PASI-O
		EPA 7471	HEA	1	PASI-O
		EPA 8270	JEZ	63	PASI-O
		EPA 8270	EAO	18	PASI-O
		EPA 8260	JBH	31	PASI-O
		EPA 8260	SK	14	PASI-O
		ASTM D2974-87	GMD	1	PASI-O
		EPA 9012	SOA	1	PASI-O
EPA 9066	KHC	1	PASI-O		

**REPORT OF LABORATORY ANALYSIS**

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**HITS ONLY**

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>3550290001</b>	<b>Influent East</b>					
EPA 200.7	Copper	22.6	ug/L	5.0	02/21/12 07:01	
EPA 200.7	Zinc	90.7	ug/L	20.0	02/21/12 07:01	
EPA 625	bis(2-Ethylhexyl)phthalate	17.6	ug/L	101	02/19/12 18:31	
EPA 624	Chloroform	2.1	ug/L	1.0	02/18/12 15:23	
EPA 624	Toluene	5.2	ug/L	1.0	02/18/12 15:23	
EPA 1664A	Oil and Grease	20.3	mg/L	9.1	02/23/12 18:44	
<b>3550290002</b>	<b>Influent West</b>					
EPA 200.7	Chromium	2.6	ug/L	5.0	02/21/12 07:05	
EPA 200.7	Copper	26.4	ug/L	5.0	02/21/12 07:05	
EPA 200.7	Zinc	70.6	ug/L	20.0	02/21/12 07:05	
EPA 625	Diethylphthalate	11.9	ug/L	102	02/19/12 18:49	
EPA 625	bis(2-Ethylhexyl)phthalate	119	ug/L	102	02/19/12 18:49	
EPA 624	Chloroform	3.3	ug/L	1.0	02/18/12 16:35	
EPA 624	Tetrachloroethene	0.76	ug/L	1.0	02/18/12 16:35	
EPA 624	Toluene	0.93	ug/L	1.0	02/18/12 16:35	
EPA 1664A	Oil and Grease	19.7	mg/L	9.2	02/23/12 18:45	
<b>3550290003</b>	<b>Combined Effluent</b>					
EPA 200.7	Zinc	10.4	ug/L	20.0	02/21/12 07:09	
EPA 625	Diethylphthalate	2.2	ug/L	5.0	02/19/12 17:20	
EPA 625	bis(2-Ethylhexyl)phthalate	25.4	ug/L	5.0	02/19/12 17:20	
EPA 624	Bromodichloromethane	1.8	ug/L	0.60	02/18/12 16:11	
EPA 624	Chloroform	4.1	ug/L	1.0	02/18/12 16:11	
<b>3550290004</b>	<b>Cake</b>					
EPA 8081	4,4'-DDE	11.3	ug/kg	33.5	02/22/12 17:49	
EPA 6010	Antimony	3.7	mg/kg	4.8	02/22/12 16:48	
EPA 6010	Arsenic	5.1	mg/kg	3.2	02/22/12 16:48	
EPA 6010	Cadmium	2.1	mg/kg	0.32	02/22/12 16:48	
EPA 6010	Chromium	30.7	mg/kg	1.6	02/22/12 16:48	
EPA 6010	Copper	467	mg/kg	1.6	02/22/12 16:48	
EPA 6010	Lead	29.6	mg/kg	3.2	02/22/12 16:48	
EPA 6010	Nickel	16.1	mg/kg	1.6	02/22/12 16:48	
EPA 6010	Selenium	12.0	mg/kg	4.8	02/22/12 16:48	
EPA 6010	Silver	8.6	mg/kg	1.6	02/22/12 16:48	
EPA 6010	Zinc	1330	mg/kg	6.4	02/22/12 16:48	
EPA 7471	Mercury	0.92	mg/kg	0.10	02/22/12 10:55	J(M1)
EPA 8270	Benzo(a)anthracene	659	ug/kg	676	02/23/12 12:50	
EPA 8270	Benzo(a)pyrene	712	ug/kg	676	02/23/12 12:50	
EPA 8270	Benzo(b)fluoranthene	847	ug/kg	676	02/23/12 12:50	
EPA 8270	Benzo(k)fluoranthene	714	ug/kg	676	02/23/12 12:50	
EPA 8270	Chrysene	873	ug/kg	676	02/23/12 12:50	
EPA 8270	Dimethylphthalate	2350	ug/kg	3480	02/23/12 12:50	
EPA 8270	bis(2-Ethylhexyl)phthalate	16000	ug/kg	3480	02/23/12 12:50	
EPA 8270	Fluoranthene	1150	ug/kg	676	02/23/12 12:50	
EPA 8270	Phenol	3250	ug/kg	3480	02/23/12 12:50	
EPA 8270	Pyrene	1330	ug/kg	676	02/23/12 12:50	
EPA 8260	2-Butanone (MEK)	0.017	mg/L	0.010	02/24/12 02:24	

**REPORT OF LABORATORY ANALYSIS**



HITS ONLY

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>3550290004</b>	<b>Cake</b>					
EPA 8260	1,4-Dichlorobenzene	0.0015	mg/L	0.0010	02/24/12 02:24	
ASTM D2974-87	Percent Moisture	85.3	%	0.10	02/20/12 15:15	
EPA 9012	Cyanide	3.2	mg/kg	1.6	02/23/12 06:28	J(M1)
EPA 9066	Phenolics, Total Recoverable	75.9	mg/kg	8.4	02/23/12 17:38	

REPORT OF LABORATORY ANALYSIS

### ANALYTICAL RESULTS

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

Sample: Influent East Lab ID: 3550290001 Collected: 02/15/12 23:00 Received: 02/17/12 13:07 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>608SF GCS Pesticides and PCBs</b>									
Analytical Method: EPA 608 Preparation Method: EPA 608 SF									
Aldrin	0.0062U	ug/L	0.010	0.0062	1	02/19/12 09:30	02/22/12 23:00	309-00-2	
alpha-BHC	0.0041U	ug/L	0.010	0.0041	1	02/19/12 09:30	02/22/12 23:00	319-84-6	
beta-BHC	0.0062U	ug/L	0.010	0.0062	1	02/19/12 09:30	02/22/12 23:00	319-85-7	
delta-BHC	0.0062U	ug/L	0.010	0.0062	1	02/19/12 09:30	02/22/12 23:00	319-86-8	
gamma-BHC (Lindane)	0.0041U	ug/L	0.010	0.0041	1	02/19/12 09:30	02/22/12 23:00	58-89-9	
Chlordane (Technical)	0.082U	ug/L	0.51	0.082	1	02/19/12 09:30	02/22/12 23:00	57-74-9	
4,4'-DDD	0.0051U	ug/L	0.010	0.0051	1	02/19/12 09:30	02/22/12 23:00	72-54-8	
4,4'-DDE	0.0082U	ug/L	0.010	0.0082	1	02/19/12 09:30	02/22/12 23:00	72-55-9	
4,4'-DDT	0.0051U	ug/L	0.010	0.0051	1	02/19/12 09:30	02/22/12 23:00	50-29-3	
Dieldrin	0.0051U	ug/L	0.010	0.0051	1	02/19/12 09:30	02/22/12 23:00	60-57-1	
Endosulfan I	0.0051U	ug/L	0.010	0.0051	1	02/19/12 09:30	02/22/12 23:00	959-98-8	
Endosulfan II	0.0041U	ug/L	0.010	0.0041	1	02/19/12 09:30	02/22/12 23:00	33213-65-9	
Endosulfan sulfate	0.010U	ug/L	0.010	0.010	1	02/19/12 09:30	02/22/12 23:00	1031-07-8	
Endrin	0.0062U	ug/L	0.010	0.0062	1	02/19/12 09:30	02/22/12 23:00	72-20-8	
Endrin aldehyde	0.0051U	ug/L	0.0051	0.0051	1	02/19/12 09:30	02/22/12 23:00	7421-93-4	
Heptachlor	0.0062U	ug/L	0.010	0.0062	1	02/19/12 09:30	02/22/12 23:00	76-44-8	
Heptachlor epoxide	0.0062U	ug/L	0.010	0.0062	1	02/19/12 09:30	02/22/12 23:00	1024-57-3	
PCB-1016 (Aroclor 1016)	0.082U	ug/L	0.51	0.082	1	02/19/12 09:30	02/22/12 23:00	12674-11-2	
PCB-1221 (Aroclor 1221)	0.083U	ug/L	0.51	0.083	1	02/19/12 09:30	02/22/12 23:00	11104-28-2	
PCB-1232 (Aroclor 1232)	0.12U	ug/L	0.51	0.12	1	02/19/12 09:30	02/22/12 23:00	11141-16-5	
PCB-1242 (Aroclor 1242)	0.13U	ug/L	0.51	0.13	1	02/19/12 09:30	02/22/12 23:00	53469-21-9	
PCB-1248 (Aroclor 1248)	0.28U	ug/L	0.51	0.28	1	02/19/12 09:30	02/22/12 23:00	12672-29-6	
PCB-1254 (Aroclor 1254)	0.15U	ug/L	0.51	0.15	1	02/19/12 09:30	02/22/12 23:00	11097-69-1	
PCB-1260 (Aroclor 1260)	0.11U	ug/L	0.51	0.11	1	02/19/12 09:30	02/22/12 23:00	11096-82-5	
Toxaphene	0.38U	ug/L	0.51	0.38	1	02/19/12 09:30	02/22/12 23:00	8001-35-2	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	46 %		53-110		1	02/19/12 09:30	02/22/12 23:00	877-09-8	J(S1)
Decachlorobiphenyl (S)	46 %		61-121		1	02/19/12 09:30	02/22/12 23:00	2051-24-3	J(S1)
<b>200.7 MET ICP</b>									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Antimony	5.0U	ug/L	15.0	5.0	1	02/20/12 09:54	02/21/12 07:01	7440-36-0	
Arsenic	5.0U	ug/L	10.0	5.0	1	02/20/12 09:54	02/21/12 07:01	7440-38-2	
Beryllium	0.50U	ug/L	1.0	0.50	1	02/20/12 09:54	02/21/12 07:01	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	02/20/12 09:54	02/21/12 07:01	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	02/20/12 09:54	02/21/12 07:01	7440-47-3	
Copper	22.6	ug/L	5.0	2.5	1	02/20/12 09:54	02/21/12 07:01	7440-50-8	
Lead	5.0U	ug/L	10.0	5.0	1	02/20/12 09:54	02/21/12 07:01	7439-92-1	
Molybdenum	5.0U	ug/L	10.0	5.0	1	02/20/12 09:54	02/21/12 07:01	7439-98-7	
Nickel	2.5U	ug/L	5.0	2.5	1	02/20/12 09:54	02/21/12 07:01	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	02/20/12 09:54	02/21/12 07:01	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	02/20/12 09:54	02/21/12 07:01	7440-22-4	
Zinc	90.7	ug/L	20.0	10.0	1	02/20/12 09:54	02/21/12 07:01	7440-66-6	
<b>200.8 MET ICPMS</b>									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Thallium	5.0U	ug/L	10.0	5.0	10	02/20/12 09:54	02/23/12 14:07	7440-28-0	D3

Date: 02/27/2012 04:40 PM

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

Sample: Influent East Lab ID: 3550290001 Collected: 02/15/12 23:00 Received: 02/17/12 13:07 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>245.1 Mercury</b>		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	0.10U	ug/L	0.20	0.10	1	02/18/12 11:00	02/24/12 14:11	7439-97-6	
<b>625 MSSV</b>		Analytical Method: EPA 625 Preparation Method: EPA 625							
Acenaphthylene	19.2U	ug/L	101	19.2	20	02/18/12 08:30	02/19/12 18:31	208-96-8	
Anthracene	12.2U	ug/L	101	12.2	20	02/18/12 08:30	02/19/12 18:31	120-12-7	
Benidine	15.8U	ug/L	506	15.6	20	02/18/12 08:30	02/19/12 18:31	92-87-5	
Benzo(a)anthracene	12.8U	ug/L	40.5	12.8	20	02/18/12 08:30	02/19/12 18:31	56-55-3	
Benzo(a)pyrene	11.7U	ug/L	20.3	11.7	20	02/18/12 08:30	02/19/12 18:31	50-32-8	
Benzo(b)fluoranthene	12.6U	ug/L	40.5	12.6	20	02/18/12 08:30	02/19/12 18:31	205-99-2	
Benzo(g,h,i)perylene	13.8U	ug/L	101	13.8	20	02/18/12 08:30	02/19/12 18:31	191-24-2	
Benzo(k)fluoranthene	10.3U	ug/L	81.0	10.3	20	02/18/12 08:30	02/19/12 18:31	207-08-9	
4-Bromophenylphenyl ether	13.8U	ug/L	101	13.6	20	02/18/12 08:30	02/19/12 18:31	101-55-3	
Butylbenzylphthalate	14.8U	ug/L	101	14.6	20	02/18/12 08:30	02/19/12 18:31	85-68-7	
4-Chloro-3-methylphenol	12.8U	ug/L	405	12.6	20	02/18/12 08:30	02/19/12 18:31	59-50-7	
bis(2-Chloroethoxy)methane	59.8U	ug/L	101	59.8	20	02/18/12 08:30	02/19/12 18:31	111-91-1	
bis(2-Chloroethyl) ether	15.2U	ug/L	81.0	15.2	20	02/18/12 08:30	02/19/12 18:31	111-44-4	
bis(2-Chloroisopropyl) ether	14.8U	ug/L	101	14.8	20	02/18/12 08:30	02/19/12 18:31	108-60-1	
2-Chloronaphthalene	16.2U	ug/L	40.5	16.2	20	02/18/12 08:30	02/19/12 18:31	91-58-7	
2-Chlorophenol	13.8U	ug/L	101	13.8	20	02/18/12 08:30	02/19/12 18:31	95-57-8	
4-Chlorophenylphenyl ether	12.8U	ug/L	101	12.8	20	02/18/12 08:30	02/19/12 18:31	7005-72-3	
Chrysene	7.5U	ug/L	101	7.5	20	02/18/12 08:30	02/19/12 18:31	218-01-9	
Dibenz(a,h)anthracene	13.2U	ug/L	40.5	13.2	20	02/18/12 08:30	02/19/12 18:31	53-70-3	
1,2-Dichlorobenzene	13.8U	ug/L	101	13.8	20	02/18/12 08:30	02/19/12 18:31	95-50-1	
1,3-Dichlorobenzene	15.4U	ug/L	101	15.4	20	02/18/12 08:30	02/19/12 18:31	541-73-1	
1,4-Dichlorobenzene	15.6U	ug/L	101	15.6	20	02/18/12 08:30	02/19/12 18:31	106-46-7	
3,3'-Dichlorobenzidine	14.0U	ug/L	203	14.0	20	02/18/12 08:30	02/19/12 18:31	91-94-1	
2,4-Dichlorophenol	11.3U	ug/L	40.5	11.3	20	02/18/12 08:30	02/19/12 18:31	120-83-2	
Diethylphthalate	10.3U	ug/L	101	10.3	20	02/18/12 08:30	02/19/12 18:31	84-86-2	
2,4-Dimethylphenol	32.0U	ug/L	101	32.0	20	02/18/12 08:30	02/19/12 18:31	105-67-9	
Dimethylphthalate	13.0U	ug/L	101	13.0	20	02/18/12 08:30	02/19/12 18:31	131-11-3	
Di-n-butylphthalate	8.3U	ug/L	101	8.3	20	02/18/12 08:30	02/19/12 18:31	84-74-2	
4,6-Dinitro-2-methylphenol	26.7U	ug/L	405	26.7	20	02/18/12 08:30	02/19/12 18:31	534-52-1	
2,4-Dinitrophenol	31.8U	ug/L	284	31.8	20	02/18/12 08:30	02/19/12 18:31	51-28-5	
2,4-Dinitrotoluene	10.7U	ug/L	40.5	10.7	20	02/18/12 08:30	02/19/12 18:31	121-14-2	
2,6-Dinitrotoluene	13.0U	ug/L	81.0	13.0	20	02/18/12 08:30	02/19/12 18:31	606-20-2	
Di-n-octylphthalate	18.2U	ug/L	101	18.2	20	02/18/12 08:30	02/19/12 18:31	117-84-0	
Dioxin Screen	203U	ug/L	203	203	20	02/18/12 08:30	02/19/12 18:31	.....	N2
1,2-Diphenylhydrazine	13.4U	ug/L	101	13.4	20	02/18/12 08:30	02/19/12 18:31	122-66-7	
bis(2-Ethylhexyl)phthalate	17.6U	ug/L	101	16.2	20	02/18/12 08:30	02/19/12 18:31	117-81-7	
Fluoranthene	10.9U	ug/L	101	10.9	20	02/18/12 08:30	02/19/12 18:31	206-44-0	
Fluorene	11.3U	ug/L	101	11.3	20	02/18/12 08:30	02/19/12 18:31	86-73-7	
Hexachloro-1,3-butadiene	21.9U	ug/L	40.5	21.9	20	02/18/12 08:30	02/19/12 18:31	87-68-3	
Hexachlorobenzene	16.2U	ug/L	20.3	16.2	20	02/18/12 08:30	02/19/12 18:31	118-74-1	
Hexachlorocyclopentadiene	25.9U	ug/L	101	25.9	20	02/18/12 08:30	02/19/12 18:31	77-47-4	
Hexachloroethane	14.4U	ug/L	101	14.4	20	02/18/12 08:30	02/19/12 18:31	67-72-1	
Indeno(1,2,3-cd)pyrene	14.8U	ug/L	40.5	14.8	20	02/18/12 08:30	02/19/12 18:31	193-39-5	



### ANALYTICAL RESULTS

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

Sample: Influent East Lab ID: 3550290001 Collected: 02/15/12 23:00 Received: 02/17/12 13:07 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>625 MSSV</b>									
Analytical Method: EPA 625 Preparation Method: EPA 625									
Isophorone	14.8U	ug/L	101	14.8	20	02/18/12 08:30	02/19/12 18:31	78-59-1	
Naphthalene	15.8U	ug/L	101	15.8	20	02/18/12 08:30	02/19/12 18:31	91-20-3	
Nitrobenzene	22.1U	ug/L	81.0	22.1	20	02/18/12 08:30	02/19/12 18:31	98-95-3	
2-Nitrophenol	16.4U	ug/L	101	16.4	20	02/18/12 08:30	02/19/12 18:31	88-75-5	
4-Nitrophenol	21.9U	ug/L	405	21.9	20	02/18/12 08:30	02/19/12 18:31	100-02-7	
N-Nitrosodimethylamine	19.6U	ug/L	40.5	19.6	20	02/18/12 08:30	02/19/12 18:31	62-75-9	
N-Nitroso-di-n-propylamine	19.0U	ug/L	81.0	19.0	20	02/18/12 08:30	02/19/12 18:31	621-64-7	
N-Nitrosodiphenylamine	10.1U	ug/L	101	10.1	20	02/18/12 08:30	02/19/12 18:31	86-30-6	
Pentachlorophenol	13.4U	ug/L	405	13.4	20	02/18/12 08:30	02/19/12 18:31	87-86-5	
Phenanthrene	10.5U	ug/L	101	10.5	20	02/18/12 08:30	02/19/12 18:31	85-01-8	
Phenol	10.9U	ug/L	101	10.9	20	02/18/12 08:30	02/19/12 18:31	108-95-2	
Pyrene	13.8U	ug/L	101	13.8	20	02/18/12 08:30	02/19/12 18:31	129-00-0	
1,2,4-Trichlorobenzene	16.8U	ug/L	101	16.8	20	02/18/12 08:30	02/19/12 18:31	120-82-1	
2,4,6-Trichlorophenol	14.0U	ug/L	40.5	14.0	20	02/18/12 08:30	02/19/12 18:31	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	57 %		37.3-107.7		20	02/18/12 08:30	02/19/12 18:31	4165-60-0	
2-Fluorobiphenyl (S)	72 %		35.3-102.4		20	02/18/12 08:30	02/19/12 18:31	321-60-8	
Terphenyl-d14 (S)	85 %		50.1-115.1		20	02/18/12 08:30	02/19/12 18:31	1718-51-0	
Phenol-d6 (S)	17 %		10-47.1		20	02/18/12 08:30	02/19/12 18:31	13127-88-3	
2-Fluorophenol (S)	25 %		16.3-59.8		20	02/18/12 08:30	02/19/12 18:31	367-12-4	
2,4,6-Tribromophenol (S)	71 %		54.2-114.4		20	02/18/12 08:30	02/19/12 18:31	118-79-6	
<b>624 Volatile Organics</b>									
Analytical Method: EPA 624									
Acrolein	10.0U	ug/L	20.0	10.0	1		02/18/12 15:23	107-02-8	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		02/18/12 15:23	107-13-1	
Benzene	0.50U	ug/L	1.0	0.50	1		02/18/12 15:23	71-43-2	
Bromodichloromethane	0.30U	ug/L	0.60	0.30	1		02/18/12 15:23	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		02/18/12 15:23	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		02/18/12 15:23	74-83-9	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		02/18/12 15:23	56-23-5	
Chlorobenzene	0.40U	ug/L	1.0	0.40	1		02/18/12 15:23	108-90-7	
Chloroethane	0.61U	ug/L	1.0	0.61	1		02/18/12 15:23	75-00-3	
2-Chloroethylvinyl ether	5.0U	ug/L	10.0	5.0	1		02/18/12 15:23	110-75-8	
Chloroform	2.1	ug/L	1.0	0.50	1		02/18/12 15:23	67-66-3	
Chloromethane	0.50U	ug/L	1.0	0.50	1		02/18/12 15:23	74-87-3	
Dibromochloromethane	0.25U	ug/L	0.50	0.25	1		02/18/12 15:23	124-48-1	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		02/18/12 15:23	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		02/18/12 15:23	107-06-2	
1,1-Dichloroethene	0.71U	ug/L	1.0	0.71	1		02/18/12 15:23	75-35-4	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		02/18/12 15:23	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		02/18/12 15:23	78-87-5	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		02/18/12 15:23	100-41-4	

### ANALYTICAL RESULTS

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

Sample: Influent East      Lab ID: 3550290001      Collected: 02/15/12 23:00      Received: 02/17/12 13:07      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>624 Volatile Organics</b>		Analytical Method: EPA 624							
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		02/18/12 15:23	75-09-2	
1,1,2,2-Tetrachloroethane	0.17U	ug/L	0.50	0.17	1		02/18/12 15:23	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		02/18/12 15:23	127-18-4	
Toluene	5.2	ug/L	1.0	0.50	1		02/18/12 15:23	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		02/18/12 15:23	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		02/18/12 15:23	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		02/18/12 15:23	79-01-6	
Vinyl chloride	0.53U	ug/L	1.0	0.53	1		02/18/12 15:23	75-01-4	
<b>Surrogates</b>									
Dibromofluoromethane (S)	99 %		88-113		1		02/18/12 15:23	1868-53-7	
4-Bromofluorobenzene (S)	43 %		71-111		1		02/18/12 15:23	460-00-4	J(S5)
Toluene-d8 (S)	95 %		77-116		1		02/18/12 15:23	2037-26-5	
1,2-Dichloroethane-d4 (S)	101 %		79-123		1		02/18/12 15:23	17060-07-0	
<b>1664 HEM, Oil and Grease</b>		Analytical Method: EPA 1664A							
Oil and Grease	20.3	mg/L	9.1	2.6	1		02/23/12 18:44		



### ANALYTICAL RESULTS

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

Sample: Influent West Lab ID: 3550290002 Collected: 02/15/12 23:00 Received: 02/17/12 13:07 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>608SF GCS Pesticides and PCBs</b> Analytical Method: EPA 608 Preparation Method: EPA 608 SF									
Aldrin	0.0061U	ug/L	0.010	0.0061	1	02/19/12 09:30	02/22/12 23:21	309-00-2	
alpha-BHC	0.0040U	ug/L	0.010	0.0040	1	02/19/12 09:30	02/22/12 23:21	319-84-6	
beta-BHC	0.0061U	ug/L	0.010	0.0061	1	02/19/12 09:30	02/22/12 23:21	319-85-7	
delta-BHC	0.0061U	ug/L	0.010	0.0061	1	02/19/12 09:30	02/22/12 23:21	319-86-8	
gamma-BHC (Lindane)	0.0040U	ug/L	0.010	0.0040	1	02/19/12 09:30	02/22/12 23:21	58-89-9	
Chlordane (Technical)	0.081U	ug/L	0.50	0.081	1	02/19/12 09:30	02/22/12 23:21	57-74-9	
4,4'-DDD	0.0050U	ug/L	0.010	0.0050	1	02/19/12 09:30	02/22/12 23:21	72-54-8	
4,4'-DDE	0.0081U	ug/L	0.010	0.0081	1	02/19/12 09:30	02/22/12 23:21	72-55-9	
4,4'-DDT	0.0050U	ug/L	0.010	0.0050	1	02/19/12 09:30	02/22/12 23:21	50-29-3	
Dieldrin	0.0050U	ug/L	0.010	0.0050	1	02/19/12 09:30	02/22/12 23:21	60-57-1	
Endosulfan I	0.0050U	ug/L	0.010	0.0050	1	02/19/12 09:30	02/22/12 23:21	959-98-8	
Endosulfan II	0.0040U	ug/L	0.010	0.0040	1	02/19/12 09:30	02/22/12 23:21	33213-65-9	
Endosulfan sulfate	0.010U	ug/L	0.010	0.010	1	02/19/12 09:30	02/22/12 23:21	1031-07-8	
Endrin	0.0061U	ug/L	0.010	0.0061	1	02/19/12 09:30	02/22/12 23:21	72-20-8	
Endrin aldehyde	0.0050U	ug/L	0.0050	0.0050	1	02/19/12 09:30	02/22/12 23:21	7421-93-4	
Heptachlor	0.0081U	ug/L	0.010	0.0061	1	02/19/12 09:30	02/22/12 23:21	76-44-8	
Heptachlor epoxide	0.0061U	ug/L	0.010	0.0061	1	02/19/12 09:30	02/22/12 23:21	1024-57-3	
PCB-1016 (Aroclor 1016)	0.081U	ug/L	0.50	0.081	1	02/19/12 09:30	02/22/12 23:21	12674-11-2	
PCB-1221 (Aroclor 1221)	0.082U	ug/L	0.50	0.082	1	02/19/12 09:30	02/22/12 23:21	11104-28-2	
PCB-1232 (Aroclor 1232)	0.12U	ug/L	0.50	0.12	1	02/19/12 09:30	02/22/12 23:21	11141-16-5	
PCB-1242 (Aroclor 1242)	0.13U	ug/L	0.50	0.13	1	02/19/12 09:30	02/22/12 23:21	53469-21-9	
PCB-1248 (Aroclor 1248)	0.28U	ug/L	0.50	0.28	1	02/19/12 09:30	02/22/12 23:21	12672-29-6	
PCB-1254 (Aroclor 1254)	0.15U	ug/L	0.50	0.15	1	02/19/12 09:30	02/22/12 23:21	11097-69-1	
PCB-1260 (Aroclor 1260)	0.11U	ug/L	0.50	0.11	1	02/19/12 09:30	02/22/12 23:21	11096-82-5	
Toxaphene	0.37U	ug/L	0.50	0.37	1	02/19/12 09:30	02/22/12 23:21	8001-35-2	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	49 %		53-110		1	02/19/12 09:30	02/22/12 23:21	877-09-8	J(S1)
Decachlorobiphenyl (S)	32 %		61-121		1	02/19/12 09:30	02/22/12 23:21	2051-24-3	J(S1)
<b>200.7 MET ICP</b> Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Antimony	5.0U	ug/L	15.0	5.0	1	02/20/12 09:54	02/21/12 07:05	7440-36-0	
Arsenic	5.0U	ug/L	10.0	5.0	1	02/20/12 09:54	02/21/12 07:05	7440-38-2	
Beryllium	0.50U	ug/L	1.0	0.50	1	02/20/12 09:54	02/21/12 07:05	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	02/20/12 09:54	02/21/12 07:05	7440-43-9	
Chromium	2.61	ug/L	5.0	2.5	1	02/20/12 09:54	02/21/12 07:05	7440-47-3	
Copper	26.4	ug/L	5.0	2.5	1	02/20/12 09:54	02/21/12 07:05	7440-50-8	
Lead	5.0U	ug/L	10.0	5.0	1	02/20/12 09:54	02/21/12 07:05	7439-92-1	
Molybdenum	5.0U	ug/L	10.0	5.0	1	02/20/12 09:54	02/21/12 07:05	7439-98-7	
Nickel	2.5U	ug/L	5.0	2.5	1	02/20/12 09:54	02/21/12 07:05	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	02/20/12 09:54	02/21/12 07:05	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	02/20/12 09:54	02/21/12 07:05	7440-22-4	
Zinc	70.6	ug/L	20.0	10.0	1	02/20/12 09:54	02/21/12 07:05	7440-66-6	
<b>200.8 MET ICPMS</b> Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Thallium	0.50U	ug/L	1.0	0.50	1	02/20/12 09:54	02/22/12 13:59	7440-28-0	

Date: 02/27/2012 04:40 PM

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### ANALYTICAL RESULTS

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

**Sample: Influent West**      **Lab ID: 3550290002**      Collected: 02/15/12 23:00      Received: 02/17/12 13:07      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>245.1 Mercury</b>		Analytical Method: EPA 245.1    Preparation Method: EPA 245.1							
Mercury	0.10U	ug/L	0.20	0.10	1	02/18/12 11:00	02/24/12 14:21	7439-97-6	
<b>625 MSSV</b>		Analytical Method: EPA 625    Preparation Method: EPA 625							
Acenaphthylene	19.3U	ug/L	102	19.3	20	02/18/12 08:30	02/19/12 18:49	208-96-8	
Anthracene	12.2U	ug/L	102	12.2	20	02/18/12 08:30	02/19/12 18:49	120-12-7	
Benzidine	15.7U	ug/L	508	15.7	20	02/18/12 08:30	02/19/12 18:49	92-87-5	
Benzo(a)anthracene	12.8U	ug/L	40.7	12.8	20	02/18/12 08:30	02/19/12 18:49	56-55-3	
Benzo(a)pyrene	11.8U	ug/L	20.3	11.8	20	02/18/12 08:30	02/19/12 18:49	50-32-8	
Benzo(b)fluoranthene	12.6U	ug/L	40.7	12.6	20	02/18/12 08:30	02/19/12 18:49	205-99-2	
Benzo(g,h,i)perylene	13.8U	ug/L	102	13.8	20	02/18/12 08:30	02/19/12 18:49	191-24-2	
Benzo(k)fluoranthene	10.4U	ug/L	81.3	10.4	20	02/18/12 08:30	02/19/12 18:49	207-08-9	
4-Bromophenylphenyl ether	13.8U	ug/L	102	13.6	20	02/18/12 08:30	02/19/12 18:49	101-55-3	
Butylbenzylphthalate	14.6U	ug/L	102	14.6	20	02/18/12 08:30	02/19/12 18:49	85-68-7	
4-Chloro-3-methylphenol	12.6U	ug/L	407	12.6	20	02/18/12 08:30	02/19/12 18:49	59-50-7	
bis(2-Chloroethoxy)methane	60.0U	ug/L	102	60.0	20	02/18/12 08:30	02/19/12 18:49	111-91-1	
bis(2-Chloroethyl) ether	15.3U	ug/L	81.3	15.3	20	02/18/12 08:30	02/19/12 18:49	111-44-4	
bis(2-Chloroisopropyl) ether	14.8U	ug/L	102	14.8	20	02/18/12 08:30	02/19/12 18:49	108-60-1	
2-Chloronaphthalene	16.3U	ug/L	40.7	16.3	20	02/18/12 08:30	02/19/12 18:49	91-58-7	
2-Chlorophenol	13.8U	ug/L	102	13.8	20	02/18/12 08:30	02/19/12 18:49	95-57-8	
4-Chlorophenylphenyl ether	12.8U	ug/L	102	12.8	20	02/18/12 08:30	02/19/12 18:49	7005-72-3	
Chrysene	7.5U	ug/L	102	7.5	20	02/18/12 08:30	02/19/12 18:49	218-01-9	
Dibenz(a,h)anthracene	13.2U	ug/L	40.7	13.2	20	02/18/12 08:30	02/19/12 18:49	53-70-3	
1,2-Dichlorobenzene	13.8U	ug/L	102	13.8	20	02/18/12 08:30	02/19/12 18:49	95-50-1	
1,3-Dichlorobenzene	15.5U	ug/L	102	15.5	20	02/18/12 08:30	02/19/12 18:49	541-73-1	
1,4-Dichlorobenzene	15.7U	ug/L	102	15.7	20	02/18/12 08:30	02/19/12 18:49	106-46-7	
3,3'-Dichlorobenzidine	14.0U	ug/L	203	14.0	20	02/18/12 08:30	02/19/12 18:49	91-94-1	
2,4-Dichlorophenol	11.4U	ug/L	40.7	11.4	20	02/18/12 08:30	02/19/12 18:49	120-83-2	
Diethylphthalate	11.9U	ug/L	102	10.4	20	02/18/12 08:30	02/19/12 18:49	84-66-2	
2,4-Dimethylphenol	32.1U	ug/L	102	32.1	20	02/18/12 08:30	02/19/12 18:49	105-67-9	
Dimethylphthalate	13.0U	ug/L	102	13.0	20	02/18/12 08:30	02/19/12 18:49	131-11-3	
Di-n-butylphthalate	8.3U	ug/L	102	8.3	20	02/18/12 08:30	02/19/12 18:49	84-74-2	
4,6-Dinitro-2-methylphenol	26.8U	ug/L	407	26.8	20	02/18/12 08:30	02/19/12 18:49	534-52-1	
2,4-Dinitrophenol	31.9U	ug/L	285	31.9	20	02/18/12 08:30	02/19/12 18:49	51-28-5	
2,4-Dinitrotoluene	10.8U	ug/L	40.7	10.8	20	02/18/12 08:30	02/19/12 18:49	121-14-2	
2,6-Dinitrotoluene	13.0U	ug/L	81.3	13.0	20	02/18/12 08:30	02/19/12 18:49	606-20-2	
Di-n-octylphthalate	18.3U	ug/L	102	18.3	20	02/18/12 08:30	02/19/12 18:49	117-84-0	
Dioxin Screen	203U	ug/L	203	203	20	02/18/12 08:30	02/19/12 18:49	.....	N2
1,2-Diphenylhydrazine	13.4U	ug/L	102	13.4	20	02/18/12 08:30	02/19/12 18:49	122-66-7	
bis(2-Ethylhexyl)phthalate	119	ug/L	102	16.3	20	02/18/12 08:30	02/19/12 18:49	117-81-7	
Fluoranthene	11.0U	ug/L	102	11.0	20	02/18/12 08:30	02/19/12 18:49	206-44-0	
Fluorene	11.4U	ug/L	102	11.4	20	02/18/12 08:30	02/19/12 18:49	86-73-7	
Hexachloro-1,3-butadiene	22.0U	ug/L	40.7	22.0	20	02/18/12 08:30	02/19/12 18:49	87-68-3	
Hexachlorobenzene	16.3U	ug/L	20.3	16.3	20	02/18/12 08:30	02/19/12 18:49	118-74-1	
Hexachlorocyclopentadiene	26.0U	ug/L	102	26.0	20	02/18/12 08:30	02/19/12 18:49	77-47-4	
Hexachloroethane	14.4U	ug/L	102	14.4	20	02/18/12 08:30	02/19/12 18:49	67-72-1	
Indeno(1,2,3-cd)pyrene	14.8U	ug/L	40.7	14.8	20	02/18/12 08:30	02/19/12 18:49	193-39-5	

Date: 02/27/2012 04:40 PM

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### ANALYTICAL RESULTS

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

Sample: Influent West Lab ID: 3550290002 Collected: 02/15/12 23:00 Received: 02/17/12 13:07 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>625 MSSV</b>		Analytical Method: EPA 625 Preparation Method: EPA 625							
Isophorone	14.8U	ug/L	102	14.8	20	02/18/12 08:30	02/19/12 18:49	78-59-1	
Naphthalene	15.9U	ug/L	102	15.9	20	02/18/12 08:30	02/19/12 18:49	91-20-3	
Nitrobenzene	22.2U	ug/L	81.3	22.2	20	02/18/12 08:30	02/19/12 18:49	98-95-3	
2-Nitrophenol	16.5U	ug/L	102	16.5	20	02/18/12 08:30	02/19/12 18:49	88-75-5	
4-Nitrophenol	22.0U	ug/L	407	22.0	20	02/18/12 08:30	02/19/12 18:49	100-02-7	
N-Nitrosodimethylamine	19.7U	ug/L	40.7	19.7	20	02/18/12 08:30	02/19/12 18:49	62-75-9	
N-Nitroso-di-n-propylamine	19.1U	ug/L	81.3	19.1	20	02/18/12 08:30	02/19/12 18:49	621-64-7	
N-Nitrosodiphenylamine	10.2U	ug/L	102	10.2	20	02/18/12 08:30	02/19/12 18:49	86-30-6	
Pentachlorophenol	13.4U	ug/L	407	13.4	20	02/18/12 08:30	02/19/12 18:49	87-86-5	
Phenanthrene	10.6U	ug/L	102	10.6	20	02/18/12 08:30	02/19/12 18:49	85-01-8	
Phenol	11.0U	ug/L	102	11.0	20	02/18/12 08:30	02/19/12 18:49	108-95-2	
Pyrene	13.8U	ug/L	102	13.8	20	02/18/12 08:30	02/19/12 18:49	129-00-0	
1,2,4-Trichlorobenzene	16.9U	ug/L	102	16.9	20	02/18/12 08:30	02/19/12 18:49	120-82-1	
2,4,6-Trichlorophenol	14.0U	ug/L	40.7	14.0	20	02/18/12 08:30	02/19/12 18:49	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	67 %		37.3-107.7		20	02/18/12 08:30	02/19/12 18:49	4165-60-0	
2-Fluorobiphenyl (S)	82 %		35.3-102.4		20	02/18/12 08:30	02/19/12 18:49	321-60-8	
Terphenyl-d14 (S)	94 %		50.1-115.1		20	02/18/12 08:30	02/19/12 18:49	1718-51-0	
Phenol-d6 (S)	17 %		10-47.1		20	02/18/12 08:30	02/19/12 18:49	13127-88-3	
2-Fluorophenol (S)	28 %		16.3-59.8		20	02/18/12 08:30	02/19/12 18:49	367-12-4	
2,4,6-Tribromophenol (S)	81 %		54.2-114.4		20	02/18/12 08:30	02/19/12 18:49	118-79-6	
<b>624 Volatile Organics</b>		Analytical Method: EPA 624							
Acrolein	10.0U	ug/L	20.0	10.0	1		02/18/12 16:35	107-02-8	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		02/18/12 16:35	107-13-1	
Benzene	0.50U	ug/L	1.0	0.50	1		02/18/12 16:35	71-43-2	
Bromodichloromethane	0.30U	ug/L	0.60	0.30	1		02/18/12 16:35	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		02/18/12 16:35	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		02/18/12 16:35	74-83-9	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		02/18/12 16:35	56-23-5	
Chlorobenzene	0.40U	ug/L	1.0	0.40	1		02/18/12 16:35	108-90-7	
Chloroethane	0.61U	ug/L	1.0	0.61	1		02/18/12 16:35	75-00-3	
2-Chloroethylvinyl ether	5.0U	ug/L	10.0	5.0	1		02/18/12 16:35	110-75-8	
Chloroform	3.3	ug/L	1.0	0.50	1		02/18/12 16:35	67-66-3	
Chloromethane	0.50U	ug/L	1.0	0.50	1		02/18/12 16:35	74-87-3	
Dibromochloromethane	0.25U	ug/L	0.50	0.25	1		02/18/12 16:35	124-48-1	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		02/18/12 16:35	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		02/18/12 16:35	107-06-2	
1,1-Dichloroethene	0.71U	ug/L	1.0	0.71	1		02/18/12 16:35	75-35-4	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		02/18/12 16:35	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		02/18/12 16:35	78-87-5	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		02/18/12 16:35	100-41-4	

### ANALYTICAL RESULTS

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

Sample: Influent West Lab ID: 3550290002 Collected: 02/15/12 23:00 Received: 02/17/12 13:07 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>624 Volatile Organics</b>		Analytical Method: EPA 624							
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		02/18/12 16:35	75-09-2	
1,1,2,2-Tetrachloroethane	0.17U	ug/L	0.50	0.17	1		02/18/12 16:35	79-34-5	
Tetrachloroethene	0.76 I	ug/L	1.0	0.50	1		02/18/12 16:35	127-18-4	
Toluene	0.93 I	ug/L	1.0	0.50	1		02/18/12 16:35	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		02/18/12 16:35	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		02/18/12 16:35	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		02/18/12 16:35	79-01-6	
Vinyl chloride	0.53U	ug/L	1.0	0.53	1		02/18/12 16:35	75-01-4	
<b>Surrogates</b>									
Dibromofluoromethane (S)	108 %		88-113		1		02/18/12 16:35	1868-53-7	
4-Bromofluorobenzene (S)	11 %		71-111		1		02/18/12 16:35	480-00-4	J(S5)
Toluene-d8 (S)	99 %		77-116		1		02/18/12 16:35	2037-26-5	
1,2-Dichloroethane-d4 (S)	102 %		79-123		1		02/18/12 16:35	17060-07-0	
<b>1664 HEM, Oil and Grease</b>		Analytical Method: EPA 1664A							
Oil and Grease	19.7	mg/L	9.2	2.6	1		02/23/12 18:45		



**ANALYTICAL RESULTS**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

Sample: Combined Effluent Lab ID: 3550290003 Collected: 02/15/12 23:00 Received: 02/17/12 13:07 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>608SF GCS Pesticides and PCBs</b> Analytical Method: EPA 608 Preparation Method: EPA 608 SF									
Aldrin	0.0061U	ug/L	0.010	0.0061	1	02/19/12 09:30	02/22/12 23:42	309-00-2	
alpha-BHC	0.0040U	ug/L	0.010	0.0040	1	02/19/12 09:30	02/22/12 23:42	319-84-6	
beta-BHC	0.0061U	ug/L	0.010	0.0061	1	02/19/12 09:30	02/22/12 23:42	319-85-7	
delta-BHC	0.0061U	ug/L	0.010	0.0061	1	02/19/12 09:30	02/22/12 23:42	319-86-8	
gamma-BHC (Lindane)	0.0040U	ug/L	0.010	0.0040	1	02/19/12 09:30	02/22/12 23:42	58-89-9	
Chlordane (Technical)	0.081U	ug/L	0.51	0.081	1	02/19/12 09:30	02/22/12 23:42	57-74-9	
4,4'-DDD	0.0051U	ug/L	0.010	0.0051	1	02/19/12 09:30	02/22/12 23:42	72-54-8	
4,4'-DDE	0.0081U	ug/L	0.010	0.0081	1	02/19/12 09:30	02/22/12 23:42	72-55-9	
4,4'-DDT	0.0051U	ug/L	0.010	0.0051	1	02/19/12 09:30	02/22/12 23:42	50-29-3	
Dieldrin	0.0051U	ug/L	0.010	0.0051	1	02/19/12 09:30	02/22/12 23:42	60-57-1	
Endosulfan I	0.0051U	ug/L	0.010	0.0051	1	02/19/12 09:30	02/22/12 23:42	959-98-8	
Endosulfan II	0.0040U	ug/L	0.010	0.0040	1	02/19/12 09:30	02/22/12 23:42	33213-65-9	
Endosulfan sulfate	0.010U	ug/L	0.010	0.010	1	02/19/12 09:30	02/22/12 23:42	1031-07-8	
Endrin	0.0061U	ug/L	0.010	0.0061	1	02/19/12 09:30	02/22/12 23:42	72-20-8	
Endrin aldehyde	0.0051U	ug/L	0.0051	0.0051	1	02/19/12 09:30	02/22/12 23:42	7421-93-4	
Heptachlor	0.0061U	ug/L	0.010	0.0061	1	02/19/12 09:30	02/22/12 23:42	76-44-8	
Heptachlor epoxide	0.0061U	ug/L	0.010	0.0061	1	02/19/12 09:30	02/22/12 23:42	1024-57-3	
PCB-1016 (Aroclor 1016)	0.081U	ug/L	0.51	0.081	1	02/19/12 09:30	02/22/12 23:42	12674-11-2	
PCB-1221 (Aroclor 1221)	0.082U	ug/L	0.51	0.082	1	02/19/12 09:30	02/22/12 23:42	11104-28-2	
PCB-1232 (Aroclor 1232)	0.12U	ug/L	0.51	0.12	1	02/19/12 09:30	02/22/12 23:42	11141-16-5	
PCB-1242 (Aroclor 1242)	0.13U	ug/L	0.51	0.13	1	02/19/12 09:30	02/22/12 23:42	53469-21-9	
PCB-1248 (Aroclor 1248)	0.28U	ug/L	0.51	0.28	1	02/19/12 09:30	02/22/12 23:42	12672-29-6	
PCB-1254 (Aroclor 1254)	0.15U	ug/L	0.51	0.15	1	02/19/12 09:30	02/22/12 23:42	11097-69-1	
PCB-1260 (Aroclor 1260)	0.11U	ug/L	0.51	0.11	1	02/19/12 09:30	02/22/12 23:42	11096-82-5	
Toxaphene	0.37U	ug/L	0.51	0.37	1	02/19/12 09:30	02/22/12 23:42	8001-35-2	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	64 %		53-110		1	02/19/12 09:30	02/22/12 23:42	877-09-8	
Decachlorobiphenyl (S)	48 %		61-121		1	02/19/12 09:30	02/22/12 23:42	2051-24-3	J(S1)
<b>200.7 MET ICP</b> Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Antimony	5.0U	ug/L	15.0	5.0	1	02/20/12 09:54	02/21/12 07:09	7440-36-0	
Arsenic	5.0U	ug/L	10.0	5.0	1	02/20/12 09:54	02/21/12 07:09	7440-38-2	
Beryllium	0.50U	ug/L	1.0	0.50	1	02/20/12 09:54	02/21/12 07:09	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	02/20/12 09:54	02/21/12 07:09	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	02/20/12 09:54	02/21/12 07:09	7440-47-3	
Copper	2.5U	ug/L	5.0	2.5	1	02/20/12 09:54	02/21/12 07:09	7440-50-8	
Lead	5.0U	ug/L	10.0	5.0	1	02/20/12 09:54	02/21/12 07:09	7439-92-1	
Molybdenum	5.0U	ug/L	10.0	5.0	1	02/20/12 09:54	02/21/12 07:09	7439-98-7	
Nickel	2.5U	ug/L	5.0	2.5	1	02/20/12 09:54	02/21/12 07:09	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	02/20/12 09:54	02/21/12 07:09	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	02/20/12 09:54	02/21/12 07:09	7440-22-4	
Zinc	10.41	ug/L	20.0	10.0	1	02/20/12 09:54	02/21/12 07:09	7440-66-6	
<b>200.8 MET ICPMS</b> Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Thallium	0.50U	ug/L	1.0	0.50	1	02/20/12 09:54	02/22/12 14:09	7440-28-0	

### ANALYTICAL RESULTS

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

Sample: Combined Effluent Lab ID: 3550290003 Collected: 02/15/12 23:00 Received: 02/17/12 13:07 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>245.1 Mercury</b>		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	0.10U	ug/L	0.20	0.10	1	02/18/12 11:00	02/24/12 14:24	7439-97-6	
<b>625 MSSV</b>		Analytical Method: EPA 625 Preparation Method: EPA 625							
Acenaphthylene	0.95U	ug/L	5.0	0.95	1	02/18/12 08:30	02/19/12 17:20	208-96-8	
Anthracene	0.60U	ug/L	5.0	0.60	1	02/18/12 08:30	02/19/12 17:20	120-12-7	
Benzidine	0.77U	ug/L	25.1	0.77	1	02/18/12 08:30	02/19/12 17:20	92-87-5	
Benzo(a)anthracene	0.63U	ug/L	2.0	0.63	1	02/18/12 08:30	02/19/12 17:20	56-55-3	
Benzo(a)pyrene	0.58U	ug/L	1.0	0.58	1	02/18/12 08:30	02/19/12 17:20	50-32-8	
Benzo(b)fluoranthene	0.62U	ug/L	2.0	0.62	1	02/18/12 08:30	02/19/12 17:20	205-99-2	
Benzo(g,h,i)perylene	0.68U	ug/L	5.0	0.68	1	02/18/12 08:30	02/19/12 17:20	191-24-2	
Benzo(k)fluoranthene	0.51U	ug/L	4.0	0.51	1	02/18/12 08:30	02/19/12 17:20	207-08-9	
4-Bromophenylphenyl ether	0.67U	ug/L	5.0	0.67	1	02/18/12 08:30	02/19/12 17:20	101-55-3	
Butylbenzylphthalate	0.72U	ug/L	5.0	0.72	1	02/18/12 08:30	02/19/12 17:20	85-68-7	
4-Chloro-3-methylphenol	0.62U	ug/L	20.1	0.62	1	02/18/12 08:30	02/19/12 17:20	59-50-7	
bis(2-Chloroethoxy)methane	3.0U	ug/L	5.0	3.0	1	02/18/12 08:30	02/19/12 17:20	111-91-1	
bis(2-Chloroethyl) ether	0.75U	ug/L	4.0	0.75	1	02/18/12 08:30	02/19/12 17:20	111-44-4	
bis(2-Chloroisopropyl) ether	0.73U	ug/L	5.0	0.73	1	02/18/12 08:30	02/19/12 17:20	108-60-1	
2-Chloronaphthalene	0.80U	ug/L	2.0	0.80	1	02/18/12 08:30	02/19/12 17:20	91-58-7	
2-Chlorophenol	0.68U	ug/L	5.0	0.68	1	02/18/12 08:30	02/19/12 17:20	95-57-8	
4-Chlorophenylphenyl ether	0.63U	ug/L	5.0	0.63	1	02/18/12 08:30	02/19/12 17:20	7005-72-3	
Chrysene	0.37U	ug/L	5.0	0.37	1	02/18/12 08:30	02/19/12 17:20	218-01-9	
Dibenz(a,h)anthracene	0.65U	ug/L	2.0	0.65	1	02/18/12 08:30	02/19/12 17:20	53-70-3	
1,2-Dichlorobenzene	0.88U	ug/L	5.0	0.68	1	02/18/12 08:30	02/19/12 17:20	95-50-1	
1,3-Dichlorobenzene	0.76U	ug/L	5.0	0.76	1	02/18/12 08:30	02/19/12 17:20	541-73-1	
1,4-Dichlorobenzene	0.77U	ug/L	5.0	0.77	1	02/18/12 08:30	02/19/12 17:20	106-46-7	
3,3'-Dichlorobenzidine	0.69U	ug/L	10.0	0.69	1	02/18/12 08:30	02/19/12 17:20	91-94-1	
2,4-Dichlorophenol	0.56U	ug/L	2.0	0.56	1	02/18/12 08:30	02/19/12 17:20	120-83-2	
Diethylphthalate	2.2	ug/L	5.0	0.51	1	02/18/12 08:30	02/19/12 17:20	84-66-2	
2,4-Dimethylphenol	1.6U	ug/L	5.0	1.6	1	02/18/12 08:30	02/19/12 17:20	105-67-9	
Dimethylphthalate	0.64U	ug/L	5.0	0.64	1	02/18/12 08:30	02/19/12 17:20	131-11-3	
Di-n-butylphthalate	0.41U	ug/L	5.0	0.41	1	02/18/12 08:30	02/19/12 17:20	84-74-2	
4,6-Dinitro-2-methylphenol	1.3U	ug/L	20.1	1.3	1	02/18/12 08:30	02/19/12 17:20	534-52-1	
2,4-Dinitrophenol	1.6U	ug/L	14.0	1.6	1	02/18/12 08:30	02/19/12 17:20	51-28-5	
2,4-Dinitrotoluene	0.53U	ug/L	2.0	0.53	1	02/18/12 08:30	02/19/12 17:20	121-14-2	
2,6-Dinitrotoluene	0.64U	ug/L	4.0	0.64	1	02/18/12 08:30	02/19/12 17:20	606-20-2	
Di-n-octylphthalate	0.90U	ug/L	5.0	0.90	1	02/18/12 08:30	02/19/12 17:20	117-84-0	
Dioxin Screen	10.0U	ug/L	10.0	10.0	1	02/18/12 08:30	02/19/12 17:20	.....	N2
1,2-Diphenylhydrazine	0.86U	ug/L	5.0	0.66	1	02/18/12 08:30	02/19/12 17:20	122-66-7	
bis(2-Ethylhexyl)phthalate	25.4	ug/L	5.0	0.80	1	02/18/12 08:30	02/19/12 17:20	117-81-7	
Fluoranthene	0.54U	ug/L	5.0	0.54	1	02/18/12 08:30	02/19/12 17:20	206-44-0	
Fluorene	0.56U	ug/L	5.0	0.56	1	02/18/12 08:30	02/19/12 17:20	86-73-7	
Hexachloro-1,3-butadiene	1.1U	ug/L	2.0	1.1	1	02/18/12 08:30	02/19/12 17:20	87-68-3	
Hexachlorobenzene	0.80U	ug/L	1.0	0.80	1	02/18/12 08:30	02/19/12 17:20	118-74-1	
Hexachlorocyclopentadiene	1.3U	ug/L	5.0	1.3	1	02/18/12 08:30	02/19/12 17:20	77-47-4	
Hexachloroethane	0.71U	ug/L	5.0	0.71	1	02/18/12 08:30	02/19/12 17:20	67-72-1	
Indeno(1,2,3-cd)pyrene	0.73U	ug/L	2.0	0.73	1	02/18/12 08:30	02/19/12 17:20	193-39-5	

Date: 02/27/2012 04:40 PM

### REPORT OF LABORATORY ANALYSIS

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**ANALYTICAL RESULTS**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

Sample: Combined Effluent Lab ID: 3550290003 Collected: 02/15/12 23:00 Received: 02/17/12 13:07 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>625 MSSV</b> Analytical Method: EPA 625 Preparation Method: EPA 625									
Isophorone	0.73U	ug/L	5.0	0.73	1	02/18/12 08:30	02/19/12 17:20	78-59-1	
Naphthalene	0.78U	ug/L	5.0	0.78	1	02/18/12 08:30	02/19/12 17:20	91-20-3	
Nitrobenzene	1.1U	ug/L	4.0	1.1	1	02/18/12 08:30	02/19/12 17:20	98-95-3	
2-Nitrophenol	0.81U	ug/L	5.0	0.81	1	02/18/12 08:30	02/19/12 17:20	88-75-5	
4-Nitrophenol	1.1U	ug/L	20.1	1.1	1	02/18/12 08:30	02/19/12 17:20	100-02-7	
N-Nitrosodimethylamine	0.97U	ug/L	2.0	0.97	1	02/18/12 08:30	02/19/12 17:20	62-75-9	
N-Nitroso-di-n-propylamine	0.94U	ug/L	4.0	0.94	1	02/18/12 08:30	02/19/12 17:20	621-64-7	
N-Nitrosodiphenylamine	0.50U	ug/L	5.0	0.50	1	02/18/12 08:30	02/19/12 17:20	86-30-6	
Pentachlorophenol	0.66U	ug/L	20.1	0.66	1	02/18/12 08:30	02/19/12 17:20	87-86-5	
Phenanthrene	0.52U	ug/L	5.0	0.52	1	02/18/12 08:30	02/19/12 17:20	85-01-8	
Phenol	0.54U	ug/L	5.0	0.54	1	02/18/12 08:30	02/19/12 17:20	108-95-2	
Pyrene	0.68U	ug/L	5.0	0.68	1	02/18/12 08:30	02/19/12 17:20	129-00-0	
1,2,4-Trichlorobenzene	0.83U	ug/L	5.0	0.83	1	02/18/12 08:30	02/19/12 17:20	120-82-1	
2,4,6-Trichlorophenol	0.69U	ug/L	2.0	0.69	1	02/18/12 08:30	02/19/12 17:20	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	54 %		37.3-107.7		1	02/18/12 08:30	02/19/12 17:20	4165-60-0	
2-Fluorobiphenyl (S)	59 %		35.3-102.4		1	02/18/12 08:30	02/19/12 17:20	321-60-8	
Terphenyl-d14 (S)	95 %		50.1-115.1		1	02/18/12 08:30	02/19/12 17:20	1718-51-0	
Phenol-d6 (S)	17 %		10-47.1		1	02/18/12 08:30	02/19/12 17:20	13127-88-3	
2-Fluorophenol (S)	27 %		16.3-59.8		1	02/18/12 08:30	02/19/12 17:20	367-12-4	
2,4,6-Tribromophenol (S)	75 %		54.2-114.4		1	02/18/12 08:30	02/19/12 17:20	118-79-6	
<b>624 Volatile Organics</b> Analytical Method: EPA 624									
Acrolein	10.0U	ug/L	20.0	10.0	1		02/18/12 16:11	107-02-8	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		02/18/12 16:11	107-13-1	
Benzene	0.50U	ug/L	1.0	0.50	1		02/18/12 16:11	71-43-2	
Bromodichloromethane	1.8	ug/L	0.60	0.30	1		02/18/12 16:11	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		02/18/12 16:11	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		02/18/12 16:11	74-83-9	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		02/18/12 16:11	56-23-5	
Chlorobenzene	0.40U	ug/L	1.0	0.40	1		02/18/12 16:11	108-90-7	
Chloroethane	0.61U	ug/L	1.0	0.61	1		02/18/12 16:11	75-00-3	
2-Chloroethylvinyl ether	5.0U	ug/L	10.0	5.0	1		02/18/12 16:11	110-75-8	
Chloroform	4.1	ug/L	1.0	0.50	1		02/18/12 16:11	67-66-3	
Chloromethane	0.50U	ug/L	1.0	0.50	1		02/18/12 16:11	74-87-3	
Dibromochloromethane	0.25U	ug/L	0.50	0.25	1		02/18/12 16:11	124-48-1	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		02/18/12 16:11	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		02/18/12 16:11	107-06-2	
1,1-Dichloroethene	0.71U	ug/L	1.0	0.71	1		02/18/12 16:11	75-35-4	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		02/18/12 16:11	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		02/18/12 16:11	78-87-5	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		02/18/12 16:11	100-41-4	

### ANALYTICAL RESULTS

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

Sample: Combined Effluent Lab ID: 3550290003 Collected: 02/15/12 23:00 Received: 02/17/12 13:07 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>624 Volatile Organics</b>		Analytical Method: EPA 624							
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		02/18/12 16:11	75-09-2	
1,1,2,2-Tetrachloroethane	0.17U	ug/L	0.50	0.17	1		02/18/12 16:11	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		02/18/12 16:11	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		02/18/12 16:11	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		02/18/12 16:11	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		02/18/12 16:11	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		02/18/12 16:11	79-01-6	
Vinyl chloride	0.53U	ug/L	1.0	0.53	1		02/18/12 16:11	75-01-4	
<b>Surrogates</b>									
Dibromofluoromethane (S)	101	%	88-113		1		02/18/12 16:11	1868-53-7	
4-Bromofluorobenzene (S)	27	%	71-111		1		02/18/12 16:11	460-00-4	J(S5)
Toluene-d8 (S)	90	%	77-116		1		02/18/12 16:11	2037-26-5	
1,2-Dichloroethane-d4 (S)	106	%	79-123		1		02/18/12 16:11	17060-07-0	
<b>1664 HEM, Oil and Grease</b>		Analytical Method: EPA 1664A							
Oil and Grease	1.4U	mg/L	5.1	1.4	1		02/23/12 18:45		

### ANALYTICAL RESULTS

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

Sample: Cake Lab ID: 3550290004 Collected: 02/16/12 10:40 Received: 02/17/12 13:07 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8081 GCS Pesticides</b>									
Analytical Method: EPA 8081 Preparation Method: EPA 3546									
Aldrin	1.1U	ug/kg	33.5	1.1	1	02/22/12 02:30	02/22/12 17:49	309-00-2	
alpha-BHC	1.4U	ug/kg	33.5	1.4	1	02/22/12 02:30	02/22/12 17:49	319-84-6	
beta-BHC	1.5U	ug/kg	33.5	1.5	1	02/22/12 02:30	02/22/12 17:49	319-85-7	
delta-BHC	1.7U	ug/kg	33.5	1.7	1	02/22/12 02:30	02/22/12 17:49	319-86-8	
gamma-BHC (Lindane)	2.9U	ug/kg	33.5	2.9	1	02/22/12 02:30	02/22/12 17:49	58-89-9	
Chlordane (Technical)	312U	ug/kg	335	312	1	02/22/12 02:30	02/22/12 17:49	57-74-9	
4,4'-DDD	2.6U	ug/kg	33.5	2.6	1	02/22/12 02:30	02/22/12 17:49	72-54-8	
4,4'-DDE	11.3U	ug/kg	33.5	1.2	1	02/22/12 02:30	02/22/12 17:49	72-55-9	
4,4'-DDT	1.9U	ug/kg	33.5	1.9	1	02/22/12 02:30	02/22/12 17:49	50-29-3	
Dieldrin	0.79U	ug/kg	33.5	0.79	1	02/22/12 02:30	02/22/12 17:49	60-57-1	
Endosulfan I	0.49U	ug/kg	33.5	0.49	1	02/22/12 02:30	02/22/12 17:49	959-98-8	
Endosulfan II	1.1U	ug/kg	33.5	1.1	1	02/22/12 02:30	02/22/12 17:49	33213-65-9	
Endosulfan sulfate	0.85U	ug/kg	33.5	0.85	1	02/22/12 02:30	02/22/12 17:49	1031-07-8	
Endrin	1.0U	ug/kg	33.5	1.0	1	02/22/12 02:30	02/22/12 17:49	72-20-8	
Endrin aldehyde	1.3U	ug/kg	33.5	1.3	1	02/22/12 02:30	02/22/12 17:49	7421-93-4	
Endrin ketone	1.6U	ug/kg	33.5	1.6	1	02/22/12 02:30	02/22/12 17:49	53494-70-5	
Heptachlor	0.77U	ug/kg	33.5	0.77	1	02/22/12 02:30	02/22/12 17:49	76-44-8	
Heptachlor epoxide	2.2U	ug/kg	33.5	2.2	1	02/22/12 02:30	02/22/12 17:49	1024-57-3	
Methoxychlor	20.7U	ug/kg	33.5	20.7	1	02/22/12 02:30	02/22/12 17:49	72-43-5	
Toxaphene	145U	ug/kg	335	145	1	02/22/12 02:30	02/22/12 17:49	8001-35-2	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	104 %		70-130		1	02/22/12 02:30	02/22/12 17:49	877-09-8	
Decachlorobiphenyl (S)	92 %		70-130		1	02/22/12 02:30	02/22/12 17:49	2051-24-3	
<b>8081 GCS Pesticides, TCLP</b>									
Analytical Method: EPA 8081 Preparation Method: EPA 3510									
Leachate Method/Date: EPA 1311; 02/21/12 23:15									
gamma-BHC (Lindane)	0.00050U	mg/L	0.0010	0.00050	1	02/23/12 21:00	02/24/12 18:39	58-89-9	
Chlordane (Technical)	0.0025U	mg/L	0.0050	0.0025	1	02/23/12 21:00	02/24/12 18:39	57-74-9	
Endrin	0.00050U	mg/L	0.0010	0.00050	1	02/23/12 21:00	02/24/12 18:39	72-20-8	
Heptachlor	0.00050U	mg/L	0.0010	0.00050	1	02/23/12 21:00	02/24/12 18:39	76-44-8	
Heptachlor epoxide	0.00050U	mg/L	0.0010	0.00050	1	02/23/12 21:00	02/24/12 18:39	1024-57-3	
Methoxychlor	0.00050U	mg/L	0.0010	0.00050	1	02/23/12 21:00	02/24/12 18:39	72-43-5	
Toxaphene	0.0025U	mg/L	0.0050	0.0025	1	02/23/12 21:00	02/24/12 18:39	8001-35-2	
<b>Surrogates</b>									
Decachlorobiphenyl (S)	69 %		70-130		1	02/23/12 21:00	02/24/12 18:39	2051-24-3	J(S1)
Tetrachloro-m-xylene (S)	77 %		70-130		1	02/23/12 21:00	02/24/12 18:39	877-09-8	
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082 Preparation Method: EPA 3546									
PCB-1016 (Aroclor 1016)	203U	ug/kg	335	203	1	02/22/12 02:30	02/22/12 16:40	12674-11-2	J(M1)
PCB-1221 (Aroclor 1221)	158U	ug/kg	335	158	1	02/22/12 02:30	02/22/12 16:40	11104-28-2	
PCB-1232 (Aroclor 1232)	167U	ug/kg	335	167	1	02/22/12 02:30	02/22/12 16:40	11141-16-5	
PCB-1242 (Aroclor 1242)	55.1U	ug/kg	335	55.1	1	02/22/12 02:30	02/22/12 16:40	53469-21-9	
PCB-1248 (Aroclor 1248)	212U	ug/kg	335	212	1	02/22/12 02:30	02/22/12 16:40	12672-29-6	
PCB-1254 (Aroclor 1254)	135U	ug/kg	335	135	1	02/22/12 02:30	02/22/12 16:40	11097-69-1	
PCB-1260 (Aroclor 1260)	204U	ug/kg	335	204	1	02/22/12 02:30	02/22/12 16:40	11096-82-5	

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### ANALYTICAL RESULTS

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

Sample: Cake Lab ID: 3550290004 Collected: 02/16/12 10:40 Received: 02/17/12 13:07 Matrix: Solid  
 Results reported on a "dry-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB</b> Analytical Method: EPA 8082 Preparation Method: EPA 3546									
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	112 %		19.6-135		1	02/22/12 02:30	02/22/12 16:40	877-09-8	
Decachlorobiphenyl (S)	123 %		24.5-162		1	02/22/12 02:30	02/22/12 16:40	2051-24-3	
<b>8151 Chlorinate Herbicide TCLP</b> Analytical Method: EPA 8151 Preparation Method: EPA 3510									
2,4-D	0.034U mg/L		0.068	0.034	1	02/22/12 07:30	02/23/12 02:10	94-75-7	
2,4,5-TP (Silvex)	0.034U mg/L		0.068	0.034	1	02/22/12 07:30	02/23/12 02:10	93-72-1	
<b>Surrogates</b>									
2,4-DCAA (S)	99 %		70-130		1	02/22/12 07:30	02/23/12 02:10	19719-28-9	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	3.7 I mg/kg		4.8	2.4	1	02/21/12 11:07	02/22/12 16:48	7440-36-0	
Arsenic	5.1 mg/kg		3.2	1.6	1	02/21/12 11:07	02/22/12 16:48	7440-38-2	
Beryllium	0.16U mg/kg		0.32	0.16	1	02/21/12 11:07	02/22/12 16:48	7440-41-7	
Cadmium	2.1 mg/kg		0.32	0.16	1	02/21/12 11:07	02/22/12 16:48	7440-43-9	
Chromium	30.7 mg/kg		1.6	0.80	1	02/21/12 11:07	02/22/12 16:48	7440-47-3	
Copper	467 mg/kg		1.6	0.80	1	02/21/12 11:07	02/22/12 16:48	7440-50-8	
Lead	29.6 mg/kg		3.2	1.6	1	02/21/12 11:07	02/22/12 16:48	7439-92-1	
Nickel	16.1 mg/kg		1.6	0.80	1	02/21/12 11:07	02/22/12 16:48	7440-02-0	
Selenium	12.0 mg/kg		4.8	2.4	1	02/21/12 11:07	02/22/12 16:48	7782-49-2	
Silver	8.6 mg/kg		1.6	0.80	1	02/21/12 11:07	02/22/12 16:48	7440-22-4	
Thallium	2.4U mg/kg		4.8	2.4	1	02/21/12 11:07	02/22/12 16:48	7440-28-0	
Zinc	1330 mg/kg		6.4	3.2	1	02/21/12 11:07	02/22/12 16:48	7440-66-6	
<b>6010 MET ICP, TCLP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 02/21/12 23:15									
Arsenic	0.10U mg/L		0.20	0.10	1	02/22/12 04:00	02/23/12 01:40	7440-38-2	
Barium	0.10U mg/L		0.20	0.10	1	02/22/12 04:00	02/23/12 01:40	7440-39-3	
Cadmium	0.010U mg/L		0.020	0.010	1	02/22/12 04:00	02/23/12 01:40	7440-43-9	
Chromium	0.050U mg/L		0.10	0.050	1	02/22/12 04:00	02/23/12 01:40	7440-47-3	
Lead	0.050U mg/L		0.10	0.050	1	02/22/12 04:00	02/23/12 01:40	7439-92-1	
Selenium	0.10U mg/L		0.20	0.10	1	02/22/12 04:00	02/23/12 01:40	7782-49-2	
Silver	0.050U mg/L		0.10	0.050	1	02/22/12 04:00	02/23/12 01:40	7440-22-4	
<b>7470 Mercury, TCLP</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 02/21/12 23:15									
Mercury	0.0010U mg/L		0.0020	0.0010	1	02/22/12 05:00	02/23/12 13:53	7439-97-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.92 mg/kg		0.10	0.052	1	02/22/12 01:45	02/22/12 10:55	7439-97-6	J(M1)
<b>8270 MSSV Full List Microwave</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthylene	80.0U ug/kg		676	80.0	1	02/23/12 02:30	02/23/12 12:50	208-96-8	
Anthracene	41.9U ug/kg		676	41.9	1	02/23/12 02:30	02/23/12 12:50	120-12-7	

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### ANALYTICAL RESULTS

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

Sample: Cake Lab ID: 3550290004 Collected: 02/16/12 10:40 Received: 02/17/12 13:07 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Full List Microwave</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Benzidine	381U	ug/kg	17000	381	1	02/23/12 02:30	02/23/12 12:50	92-87-5	
Benzo(a)anthracene	659 I	ug/kg	676	60.5	1	02/23/12 02:30	02/23/12 12:50	56-55-3	
Benzo(a)pyrene	712	ug/kg	676	74.0	1	02/23/12 02:30	02/23/12 12:50	50-32-8	
Benzo(b)fluoranthene	847	ug/kg	676	47.5	1	02/23/12 02:30	02/23/12 12:50	205-99-2	
Benzo(g,h,i)perylene	62.4U	ug/kg	676	62.4	1	02/23/12 02:30	02/23/12 12:50	191-24-2	
Benzo(k)fluoranthene	714	ug/kg	676	101	1	02/23/12 02:30	02/23/12 12:50	207-08-9	
4-Bromophenylphenyl ether	399U	ug/kg	3480	399	1	02/23/12 02:30	02/23/12 12:50	101-55-3	
Butylbenzylphthalate	391U	ug/kg	3480	391	1	02/23/12 02:30	02/23/12 12:50	85-68-7	
4-Chloro-3-methylphenol	422U	ug/kg	13700	422	1	02/23/12 02:30	02/23/12 12:50	59-50-7	
bis(2-Chloroethoxy)methane	559U	ug/kg	3480	559	1	02/23/12 02:30	02/23/12 12:50	111-91-1	
bis(2-Chloroethyl) ether	534U	ug/kg	3480	534	1	02/23/12 02:30	02/23/12 12:50	111-44-4	
bis(2-Chloroisopropyl) ether	549U	ug/kg	3480	549	1	02/23/12 02:30	02/23/12 12:50	108-60-1	
2-Chloronaphthalene	618U	ug/kg	3480	618	1	02/23/12 02:30	02/23/12 12:50	91-58-7	
2-Chlorophenol	616U	ug/kg	3480	516	1	02/23/12 02:30	02/23/12 12:50	95-57-8	
4-Chlorophenylphenyl ether	438U	ug/kg	3480	438	1	02/23/12 02:30	02/23/12 12:50	7005-72-3	
Chrysene	873	ug/kg	676	60.5	1	02/23/12 02:30	02/23/12 12:50	218-01-9	
Dibenz(a,h)anthracene	72.2U	ug/kg	676	72.2	1	02/23/12 02:30	02/23/12 12:50	53-70-3	
1,2-Dichlorobenzene	516U	ug/kg	3480	516	1	02/23/12 02:30	02/23/12 12:50	95-50-1	
1,3-Dichlorobenzene	489U	ug/kg	3480	489	1	02/23/12 02:30	02/23/12 12:50	541-73-1	
1,4-Dichlorobenzene	502U	ug/kg	3480	502	1	02/23/12 02:30	02/23/12 12:50	106-46-7	
3,3'-Dichlorobenzidine	364U	ug/kg	13700	364	1	02/23/12 02:30	02/23/12 12:50	91-94-1	
2,4-Dichlorophenol	471U	ug/kg	3480	471	1	02/23/12 02:30	02/23/12 12:50	120-83-2	
Diethylphthalate	479U	ug/kg	3480	479	1	02/23/12 02:30	02/23/12 12:50	84-66-2	
2,4-Dimethylphenol	626U	ug/kg	3480	626	1	02/23/12 02:30	02/23/12 12:50	105-67-9	
Dimethylphthalate	2350 I	ug/kg	3480	366	1	02/23/12 02:30	02/23/12 12:50	131-11-3	
Di-n-butylphthalate	444U	ug/kg	3480	444	1	02/23/12 02:30	02/23/12 12:50	84-74-2	
4,6-Dinitro-2-methylphenol	385U	ug/kg	13700	385	1	02/23/12 02:30	02/23/12 12:50	534-52-1	
2,4-Dinitrophenol	350U	ug/kg	13700	350	1	02/23/12 02:30	02/23/12 12:50	51-28-5	
2,4-Dinitrotoluene	420U	ug/kg	3480	420	1	02/23/12 02:30	02/23/12 12:50	121-14-2	
2,6-Dinitrotoluene	348U	ug/kg	3480	348	1	02/23/12 02:30	02/23/12 12:50	606-20-2	
Di-n-octylphthalate	356U	ug/kg	3480	356	1	02/23/12 02:30	02/23/12 12:50	117-84-0	
bis(2-Ethylhexyl)phthalate	1600U	ug/kg	3480	508	1	02/23/12 02:30	02/23/12 12:50	117-81-7	
Fluoranthene	1150	ug/kg	676	75.8	1	02/23/12 02:30	02/23/12 12:50	206-44-0	
Fluorene	50.8U	ug/kg	676	50.8	1	02/23/12 02:30	02/23/12 12:50	86-73-7	
Hexachloro-1,3-butadiene	495U	ug/kg	3480	495	1	02/23/12 02:30	02/23/12 12:50	87-68-3	
Hexachlorobenzene	393U	ug/kg	3480	393	1	02/23/12 02:30	02/23/12 12:50	118-74-1	
Hexachlorocyclopentadiene	491U	ug/kg	13700	491	1	02/23/12 02:30	02/23/12 12:50	77-47-4	
Hexachloroethane	633U	ug/kg	3480	633	1	02/23/12 02:30	02/23/12 12:50	67-72-1	
Indeno(1,2,3-cd)pyrene	71.9U	ug/kg	676	71.9	1	02/23/12 02:30	02/23/12 12:50	193-39-5	
Isophorone	514U	ug/kg	3480	514	1	02/23/12 02:30	02/23/12 12:50	78-59-1	
2-Methylphenol(o-Cresol)	508U	ug/kg	3480	508	1	02/23/12 02:30	02/23/12 12:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	1040U	ug/kg	3480	1040	1	02/23/12 02:30	02/23/12 12:50		
Naphthalene	72.1U	ug/kg	676	72.1	1	02/23/12 02:30	02/23/12 12:50	91-20-3	
Nitrobenzene	549U	ug/kg	3480	549	1	02/23/12 02:30	02/23/12 12:50	98-95-3	
2-Nitrophenol	563U	ug/kg	3480	563	1	02/23/12 02:30	02/23/12 12:50	88-75-5	

### ANALYTICAL RESULTS

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

Sample: Cake Lab ID: 3550290004 Collected: 02/16/12 10:40 Received: 02/17/12 13:07 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Full List Microwave</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546									
4-Nitrophenol	518U	ug/kg	3480	518	1	02/23/12 02:30	02/23/12 12:50	100-02-7	
N-Nitrosodimethylamine	520U	ug/kg	3480	520	1	02/23/12 02:30	02/23/12 12:50	62-75-9	N2
N-Nitroso-di-n-propylamine	495U	ug/kg	3480	495	1	02/23/12 02:30	02/23/12 12:50	621-64-7	
N-Nitrosodiphenylamine	422U	ug/kg	3480	422	1	02/23/12 02:30	02/23/12 12:50	86-30-6	
Pentachlorophenol	440U	ug/kg	13700	440	1	02/23/12 02:30	02/23/12 12:50	87-86-5	
Phenanthrene	64.2U	ug/kg	676	64.2	1	02/23/12 02:30	02/23/12 12:50	85-01-8	
Phenol	3250 I	ug/kg	3480	643	1	02/23/12 02:30	02/23/12 12:50	108-95-2	
Pyrene	1330	ug/kg	676	82.1	1	02/23/12 02:30	02/23/12 12:50	129-00-0	
1,2,4-Trichlorobenzene	583U	ug/kg	3480	583	1	02/23/12 02:30	02/23/12 12:50	120-82-1	
2,4,6-Trichlorophenol	516U	ug/kg	3480	516	1	02/23/12 02:30	02/23/12 12:50	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	36 %		10-110		1	02/23/12 02:30	02/23/12 12:50	4165-60-0	
2-Fluorobiphenyl (S)	65 %		18-110		1	02/23/12 02:30	02/23/12 12:50	321-60-8	
Terphenyl-d14 (S)	93 %		10-123		1	02/23/12 02:30	02/23/12 12:50	1718-51-0	
Phenol-d6 (S)	78 %		10-110		1	02/23/12 02:30	02/23/12 12:50	13127-88-3	
2-Fluorophenol (S)	59 %		18-110		1	02/23/12 02:30	02/23/12 12:50	367-12-4	
2,4,6-Tribromophenol (S)	94 %		10-110		1	02/23/12 02:30	02/23/12 12:50	118-79-6	
<b>8270 MSSV TCLP Sep Funnel</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Leachate Method/Date: EPA 1311; 02/21/12 23:15									
1,4-Dichlorobenzene	0.010U	mg/L	0.050	0.010	1	02/23/12 14:15	02/24/12 14:17	106-46-7	
2,4-Dinitrotoluene	0.0053U	mg/L	0.13	0.0053	1	02/23/12 14:15	02/24/12 14:17	121-14-2	
Hexachloro-1,3-butadiene	0.011U	mg/L	0.050	0.011	1	02/23/12 14:15	02/24/12 14:17	87-68-3	
Hexachlorobenzene	0.0080U	mg/L	0.050	0.0080	1	02/23/12 14:15	02/24/12 14:17	118-74-1	
Hexachloroethane	0.0071U	mg/L	0.050	0.0071	1	02/23/12 14:15	02/24/12 14:17	67-72-1	
2-Methylphenol(o-Cresol)	0.015U	mg/L	0.050	0.015	1	02/23/12 14:15	02/24/12 14:17	95-48-7	
3&4-Methylphenol(m&p Cresol)	0.0066U	mg/L	0.10	0.0066	1	02/23/12 14:15	02/24/12 14:17		J(MO), L3
Nitrobenzene	0.011U	mg/L	0.050	0.011	1	02/23/12 14:15	02/24/12 14:17	98-95-3	
Pentachlorophenol	0.0066U	mg/L	0.20	0.0066	1	02/23/12 14:15	02/24/12 14:17	87-86-5	
Pyridine	0.015U	mg/L	0.20	0.015	1	02/23/12 14:15	02/24/12 14:17	110-86-1	
2,4,5-Trichlorophenol	0.0052U	mg/L	0.050	0.0052	1	02/23/12 14:15	02/24/12 14:17	95-95-4	
2,4,6-Trichlorophenol	0.0069U	mg/L	0.050	0.0069	1	02/23/12 14:15	02/24/12 14:17	88-06-2	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	66 %		53.5-97.2		1	02/23/12 14:15	02/24/12 14:17	321-60-8	
Nitrobenzene-d5 (S)	68 %		49.6-97.6		1	02/23/12 14:15	02/24/12 14:17	4165-60-0	
Terphenyl-d14 (S)	86 %		62.1-109		1	02/23/12 14:15	02/24/12 14:17	1718-51-0	
Phenol-d6 (S)	24 %		10-57.3		1	02/23/12 14:15	02/24/12 14:17	13127-88-3	
2-Fluorophenol (S)	37 %		13.2-66.5		1	02/23/12 14:15	02/24/12 14:17	367-12-4	
2,4,6-Tribromophenol (S)	88 %		40.5-122		1	02/23/12 14:15	02/24/12 14:17	118-79-6	
<b>8260 MSV 5030 Low Level</b> Analytical Method: EPA 8260									
Acrolein	274U	ug/kg	389	274	1		02/21/12 14:27	107-02-8	

Date: 02/27/2012 04:40 PM

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

Sample: Cake Lab ID: 3550290004 Collected: 02/16/12 10:40 Received: 02/17/12 13:07 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
Acrylonitrile	209U	ug/kg	389	209	1		02/21/12 14:27	107-13-1	
Benzene	19.9U	ug/kg	38.9	19.9	1		02/21/12 14:27	71-43-2	
Bromodichloromethane	19.4U	ug/kg	38.9	19.4	1		02/21/12 14:27	75-27-4	
Bromofom	19.4U	ug/kg	38.9	19.4	1		02/21/12 14:27	75-25-2	
Bromomethane	19.4U	ug/kg	38.9	19.4	1		02/21/12 14:27	74-83-9	
Carbon tetrachloride	19.4U	ug/kg	38.9	19.4	1		02/21/12 14:27	56-23-5	
Chlorobenzene	19.4U	ug/kg	38.9	19.4	1		02/21/12 14:27	108-90-7	
Chloroethane	27.9U	ug/kg	38.9	27.9	1		02/21/12 14:27	75-00-3	
2-Chloroethylvinyl ether	19.4U	ug/kg	38.9	19.4	1		02/21/12 14:27	110-75-8	J(L2)
Chloroform	23.0U	ug/kg	38.9	23.0	1		02/21/12 14:27	67-66-3	
Chloromethane	21.8U	ug/kg	38.9	21.8	1		02/21/12 14:27	74-87-3	
Dibromochloromethane	19.4U	ug/kg	38.9	19.4	1		02/21/12 14:27	124-48-1	
1,1-Dichloroethane	21.2U	ug/kg	38.9	21.2	1		02/21/12 14:27	75-34-3	
1,2-Dichloroethane	19.4U	ug/kg	38.9	19.4	1		02/21/12 14:27	107-06-2	
1,1-Dichloroethene	19.4U	ug/kg	38.9	19.4	1		02/21/12 14:27	75-35-4	
trans-1,2-Dichloroethene	23.7U	ug/kg	38.9	23.7	1		02/21/12 14:27	156-60-5	
1,2-Dichloropropane	19.4U	ug/kg	38.9	19.4	1		02/21/12 14:27	78-87-5	
Ethylbenzene	22.0U	ug/kg	38.9	22.0	1		02/21/12 14:27	100-41-4	
Methylene Chloride	19.4U	ug/kg	38.9	19.4	1		02/21/12 14:27	75-09-2	
1,1,2,2-Tetrachloroethane	19.4U	ug/kg	38.9	19.4	1		02/21/12 14:27	79-34-5	
Tetrachloroethene	19.4U	ug/kg	38.9	19.4	1		02/21/12 14:27	127-18-4	
Toluene	21.0U	ug/kg	38.9	21.0	1		02/21/12 14:27	108-88-3	
1,1,1-Trichloroethane	21.3U	ug/kg	38.9	21.3	1		02/21/12 14:27	71-55-6	
1,1,2-Trichloroethane	19.4U	ug/kg	38.9	19.4	1		02/21/12 14:27	79-00-5	
Trichloroethene	21.9U	ug/kg	38.9	21.9	1		02/21/12 14:27	79-01-6	
Vinyl chloride	20.9U	ug/kg	38.9	20.9	1		02/21/12 14:27	75-01-4	
<b>Surrogates</b>									
Dibromofluoromethane (S)	97 %		82-115		1		02/21/12 14:27	1868-53-7	1p
Toluene-d8 (S)	87 %		84-117		1		02/21/12 14:27	2037-26-5	
4-Bromofluorobenzene (S)	87 %		55-148		1		02/21/12 14:27	460-00-4	
1,2-Dichloroethane-d4 (S)	111 %		80-131		1		02/21/12 14:27	17060-07-0	
<b>8260 MSV TCLP</b>		Analytical Method: EPA 8260							
Benzene	0.00050U	mg/L	0.0010	0.00050	1		02/24/12 02:24	71-43-2	
2-Butanone (MEK)	0.017	mg/L	0.010	0.00079	1		02/24/12 02:24	78-93-3	
Carbon tetrachloride	0.00034U	mg/L	0.0010	0.00034	1		02/24/12 02:24	56-23-5	
Chlorobenzene	0.00019U	mg/L	0.0010	0.00019	1		02/24/12 02:24	108-90-7	
Chloroform	0.00020U	mg/L	0.0010	0.00020	1		02/24/12 02:24	67-66-3	
1,4-Dichlorobenzene	0.0015	mg/L	0.0010	0.00015	1		02/24/12 02:24	106-46-7	
1,2-Dichloroethane	0.00015U	mg/L	0.0010	0.00015	1		02/24/12 02:24	107-06-2	
1,1-Dichloroethene	0.00038U	mg/L	0.0010	0.00038	1		02/24/12 02:24	75-35-4	
Tetrachloroethene	0.00017U	mg/L	0.0010	0.00017	1		02/24/12 02:24	127-18-4	
Trichloroethene	0.00025U	mg/L	0.0010	0.00025	1		02/24/12 02:24	79-01-6	
Vinyl chloride	0.00053U	mg/L	0.0010	0.00053	1		02/24/12 02:24	75-01-4	



**ANALYTICAL RESULTS**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

Sample: Cake Lab ID: 3550290004 Collected: 02/16/12 10:40 Received: 02/17/12 13:07 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV TCLP</b>	Analytical Method: EPA 8260								
<b>Surrogates</b>									
Toluene-d8 (S)	101 %		88-116		1		02/24/12 02:24	2037-26-5	
4-Bromofluorobenzene (S)	102 %		74-112		1		02/24/12 02:24	460-00-4	
Dibromofluoromethane (S)	106 %		86-111		1		02/24/12 02:24	1868-53-7	
<b>Percent Moisture</b>	Analytical Method: ASTM D2974-87								
Percent Moisture	85.3 %		0.10	0.10	1		02/20/12 15:15		
<b>9012 Cyanide, Total</b>	Analytical Method: EPA 9012 Preparation Method: EPA 9012								
Cyanide	3.2 mg/kg		1.6	0.82	1	02/22/12 11:45	02/23/12 06:28	57-12-5	J(M1)
<b>Phenolics, Total, Distillation</b>	Analytical Method: EPA 9066 Preparation Method: EPA 9066								
Phenolics, Total Recoverable	75.9 mg/kg		8.4	4.2	1	02/21/12 10:00	02/23/12 17:38		





**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

QC Batch: MERP/2502 Analysis Method: EPA 245.1  
 QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury  
 Associated Lab Samples: 3550290001, 3550290002, 3550290003

METHOD BLANK: 342943 Matrix: Water  
 Associated Lab Samples: 3550290001, 3550290002, 3550290003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	02/24/12 13:47	

LABORATORY CONTROL SAMPLE: 342944

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 342945 342946

Parameter	Units	3550307001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max		Qual
										RPD	RPD	
Mercury	ug/L	0.10U	2	2	2.0	2.0	98	98	70-130	.6	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 342947 342948

Parameter	Units	3550307002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max		Qual
										RPD	RPD	
Mercury	ug/L	0.10U	2	2	2.2	2.2	109	108	70-130	.3	20	

**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

QC Batch: MERP/2513      Analysis Method: EPA 7470  
QC Batch Method: EPA 7470      Analysis Description: 7470 Mercury TCLP  
Associated Lab Samples: 3550290004

METHOD BLANK: 344301      Matrix: Water  
Associated Lab Samples: 3550290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	0.0010U	0.0020	02/23/12 13:45	

LABORATORY CONTROL SAMPLE: 344302

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.02	0.020	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 344303      344304

Parameter	Units	3550290004		MS		MSD		% Rec		Limits	Max	
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec		RPD	RPD
Mercury	mg/L	0.0010 U	.02	.02	0.017	0.017	82	81	75-125	.9	20	



**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

QC Batch: MERP/2510 Analysis Method: EPA 7471  
 QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury  
 Associated Lab Samples: 3550290004

METHOD BLANK: 344269 Matrix: Solid  
 Associated Lab Samples: 3550290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	0.0039U	0.0078	02/22/12 10:48	

LABORATORY CONTROL SAMPLE: 344270

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.079	0.076	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 344271 344272

Parameter	Units	3550290004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
Mercury	mg/kg	0.92	1.1	1.2	1.5	1.9	57	88	85-115	22	20	J(D6), J(M1)

**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

QC Batch: MPRP/7499 Analysis Method: EPA 200.7  
QC Batch Method: EPA 200.7 Analysis Description: 200.7 MET  
Associated Lab Samples: 3550290001, 3550290002, 3550290003

METHOD BLANK: 343205 Matrix: Water

Associated Lab Samples: 3550290001, 3550290002, 3550290003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	5.0U	15.0	02/21/12 05:38	
Arsenic	ug/L	5.0U	10.0	02/21/12 05:38	
Beryllium	ug/L	0.50U	1.0	02/21/12 05:38	
Cadmium	ug/L	0.50U	1.0	02/21/12 05:38	
Chromium	ug/L	2.5U	5.0	02/21/12 05:38	
Copper	ug/L	2.5U	5.0	02/21/12 05:38	
Lead	ug/L	5.0U	10.0	02/21/12 05:38	
Molybdenum	ug/L	5.0U	10.0	02/21/12 05:38	
Nickel	ug/L	2.5U	5.0	02/21/12 05:38	
Selenium	ug/L	7.5U	15.0	02/21/12 05:38	
Silver	ug/L	2.5U	5.0	02/21/12 05:38	
Zinc	ug/L	10.0U	20.0	02/21/12 05:38	

LABORATORY CONTROL SAMPLE: 343206

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	250	255	102	85-115	
Arsenic	ug/L	250	254	102	85-115	
Beryllium	ug/L	25	26.5	106	85-115	
Cadmium	ug/L	25	25.8	103	85-115	
Chromium	ug/L	250	265	106	85-115	
Copper	ug/L	250	263	105	85-115	
Lead	ug/L	250	251	101	85-115	
Molybdenum	ug/L	250	256	102	85-115	
Nickel	ug/L	250	258	103	85-115	
Selenium	ug/L	250	261	105	85-115	
Silver	ug/L	25	25.4	102	85-115	
Zinc	ug/L	1250	1280	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 343207 343208

Parameter	Units	3550252001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max	
										RPD	RPD
Antimony	ug/L	5.0U	250	250	260	259	104	103	70-130	.2	20
Arsenic	ug/L	5.0U	250	250	261	260	103	103	70-130	.5	20
Beryllium	ug/L	0.50U	25	25	26.4	26.4	106	106	70-130	0	20
Cadmium	ug/L	0.50U	25	25	25.9	25.8	103	103	70-130	.3	20
Chromium	ug/L	2.5U	250	250	266	267	106	106	70-130	.1	20
Copper	ug/L	20.5	250	250	291	293	108	109	70-130	.9	20
Lead	ug/L	5.0U	250	250	258	257	103	102	70-130	.3	20

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**REPORT OF LABORATORY ANALYSIS**

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**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 343207 343208

Parameter	Units	3550252001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
Molybdenum	ug/L	5.0U	250	250	260	260	104	104	70-130	.08	20
Nickel	ug/L	3.5 I	250	250	263	262	104	103	70-130	.4	20
Selenium	ug/L	7.5U	250	250	261	260	104	104	70-130	.3	20
Silver	ug/L	2.5U	25	25	27.6	25.6	110	102	70-130	7	20
Zinc	ug/L	313	1250	1250	1600	1600	103	103	70-130	.06	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 343209 343210

Parameter	Units	3550290003 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
Antimony	ug/L	5.0U	250	250	260	260	104	104	70-130	.3	20
Arsenic	ug/L	5.0U	250	250	260	258	103	103	70-130	.7	20
Beryllium	ug/L	0.50U	25	25	26.5	26.0	106	104	70-130	2	20
Cadmium	ug/L	0.50U	25	25	25.7	25.5	102	102	70-130	.9	20
Chromium	ug/L	2.5U	250	250	268	265	107	105	70-130	1	20
Copper	ug/L	2.5U	250	250	273	268	108	106	70-130	2	20
Lead	ug/L	5.0U	250	250	255	254	102	101	70-130	.6	20
Molybdenum	ug/L	5.0U	250	250	262	260	104	103	70-130	.7	20
Nickel	ug/L	2.5U	250	250	259	258	103	103	70-130	.6	20
Selenium	ug/L	7.5U	250	250	264	261	105	104	70-130	.9	20
Silver	ug/L	2.5U	25	25	27.2	26.2	108	104	70-130	4	20
Zinc	ug/L	10.4 I	1250	1250	1300	1290	103	103	70-130	.8	20



**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

QC Batch: MPRP/7500 Analysis Method: EPA 200.8  
 QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET  
 Associated Lab Samples: 3550290001, 3550290002, 3550290003

METHOD BLANK: 343213 Matrix: Water  
 Associated Lab Samples: 3550290001, 3550290002, 3550290003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Thallium	ug/L	0.50U	1.0	02/22/12 12:41	

LABORATORY CONTROL SAMPLE: 343214

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	50	48.1	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 343215 343216

Parameter	Units	3550307001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max		Qual
										RPD	RPD	
Thallium	ug/L	0.50U	50	50	51.1	51.8	102	104	70-130	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 343217 343218

Parameter	Units	3550290002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max		Qual
										RPD	RPD	
Thallium	ug/L	0.50U	50	50	44.5	45.0	89	90	70-130	1	20	



**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

QC Batch: MPRP/7517 Analysis Method: EPA 6010  
 QC Batch Method: EPA 3050 Analysis Description: 6010 MET  
 Associated Lab Samples: 3550290004

METHOD BLANK: 343830 Matrix: Solid  
 Associated Lab Samples: 3550290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/kg	0.37U	0.74	02/22/12 06:10	
Arsenic	mg/kg	0.25U	0.50	02/22/12 06:10	
Beryllium	mg/kg	0.025U	0.050	02/22/12 06:10	
Cadmium	mg/kg	0.025U	0.050	02/22/12 06:10	
Chromium	mg/kg	0.12U	0.25	02/22/12 06:10	
Copper	mg/kg	0.12U	0.25	02/22/12 06:10	
Lead	mg/kg	0.25U	0.50	02/22/12 06:10	
Nickel	mg/kg	0.12U	0.25	02/22/12 06:10	
Selenium	mg/kg	0.37U	0.74	02/22/12 06:10	
Silver	mg/kg	0.12U	0.25	02/22/12 06:10	
Thallium	mg/kg	0.37U	0.74	02/22/12 06:10	
Zinc	mg/kg	0.50U	0.99	02/22/12 06:10	

LABORATORY CONTROL SAMPLE: 343831

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	12	12.6	105	80-120	
Arsenic	mg/kg	12	12.4	103	80-120	
Beryllium	mg/kg	1.2	1.2	103	80-120	
Cadmium	mg/kg	1.2	1.3	106	80-120	
Chromium	mg/kg	12	13.1	109	80-120	
Copper	mg/kg	12	12.5	104	80-120	
Lead	mg/kg	12	12.8	106	80-120	
Nickel	mg/kg	12	12.9	108	80-120	
Selenium	mg/kg	12	12.9	107	80-120	
Silver	mg/kg	1.2	1.3	112	80-120	
Thallium	mg/kg	12	12.6	105	80-120	
Zinc	mg/kg	60.1	62.9	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 343832 343833

Parameter	Units	3550149001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max		Qual
										RPD	RPD	
Antimony	mg/kg	2.4U	78.5	86.6	75.5	84.9	93	96	75-125	12	20	
Arsenic	mg/kg	10.1	78.5	86.6	87.9	96.9	99	101	75-125	10	20	
Beryllium	mg/kg	0.81U	8.1	8.8	8.4	9.4	107	109	75-125	12	20	
Cadmium	mg/kg	1.8	8.1	8.8	9.6	10.7	100	103	75-125	11	20	
Chromium	mg/kg	26.2	78.5	86.6	108	118	105	107	75-125	9	20	
Copper	mg/kg	442	78.5	86.6	528	556	110	132	75-125	5	20	J(M1)
Lead	mg/kg	37.2	78.5	86.6	118	130	103	108	75-125	10	20	

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**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 343832			343833									
Parameter	Units	3550149001	MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	% Rec	Max
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Nickel	mg/kg	25.0	78.5	86.6	107	117	104	106	75-125		9	20
Selenium	mg/kg	10.8	78.5	86.6	93.3	104	105	108	75-125		11	20
Silver	mg/kg	21.5	8.1	8.8	29.6	31.0	103	111	75-125		5	20
Thallium	mg/kg	2.4U	78.5	86.6	70.8	81.0	90	94	75-125		13	20
Zinc	mg/kg	720	392	432	1070	1140	90	96	75-125		6	20





**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

QC Batch: MPRP/7523 Analysis Method: EPA 6010  
 QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP  
 Associated Lab Samples: 3550290004

METHOD BLANK: 344297 Matrix: Water  
 Associated Lab Samples: 3550290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	0.10U	0.20	02/23/12 01:32	
Barium	mg/L	0.10U	0.20	02/23/12 01:32	
Cadmium	mg/L	0.010U	0.020	02/23/12 01:32	
Chromium	mg/L	0.050U	0.10	02/23/12 01:32	
Lead	mg/L	0.050U	0.10	02/23/12 01:32	
Selenium	mg/L	0.10U	0.20	02/23/12 01:32	
Silver	mg/L	0.050U	0.10	02/23/12 01:32	

LABORATORY CONTROL SAMPLE: 344298

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.6	103	80-120	
Barium	mg/L	2.5	2.5	100	80-120	
Cadmium	mg/L	.25	0.26	104	80-120	
Chromium	mg/L	2.5	2.6	104	80-120	
Lead	mg/L	2.5	2.5	101	80-120	
Selenium	mg/L	2.5	2.6	106	80-120	
Silver	mg/L	.25	0.26	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 344299 344300

Parameter	Units	3550290004		344300		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Arsenic	mg/L	0.10U	2.5	2.5	2.4	2.5	95	98	75-125	2	20
Barium	mg/L	0.10U	2.5	2.5	2.4	2.4	94	95	75-125	2	20
Cadmium	mg/L	0.010U	.25	.25	0.24	0.25	96	98	75-125	2	20
Chromium	mg/L	0.050U	2.5	2.5	2.4	2.4	96	98	75-125	1	20
Lead	mg/L	0.050U	2.5	2.5	2.5	2.5	98	100	75-125	2	20
Selenium	mg/L	0.10U	2.5	2.5	2.5	2.5	99	101	75-125	2	20
Silver	mg/L	0.050U	.25	.25	0.24	0.25	94	98	75-125	4	20

### QUALITY CONTROL DATA

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

QC Batch: MSV/4821 Analysis Method: EPA 624  
QC Batch Method: EPA 624 Analysis Description: 624 MSV  
Associated Lab Samples: 3550290001, 3550290002, 3550290003

METHOD BLANK: 343020 Matrix: Water  
Associated Lab Samples: 3550290001, 3550290002, 3550290003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	0.50U	1.0	02/18/12 12:33	
1,1,2,2-Tetrachloroethane	ug/L	0.17U	0.50	02/18/12 12:33	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	02/18/12 12:33	
1,1-Dichloroethane	ug/L	0.50U	1.0	02/18/12 12:33	
1,1-Dichloroethene	ug/L	0.71U	1.0	02/18/12 12:33	
1,2-Dichloroethane	ug/L	0.50U	1.0	02/18/12 12:33	
1,2-Dichloropropane	ug/L	0.50U	1.0	02/18/12 12:33	
2-Chloroethylvinyl ether	ug/L	5.0U	10.0	02/18/12 12:33	
Acrolein	ug/L	10.0U	20.0	02/18/12 12:33	
Acrylonitrile	ug/L	5.0U	10.0	02/18/12 12:33	
Benzene	ug/L	0.50U	1.0	02/18/12 12:33	
Bromodichloromethane	ug/L	0.30U	0.60	02/18/12 12:33	
Bromoform	ug/L	0.50U	1.0	02/18/12 12:33	
Bromomethane	ug/L	0.50U	1.0	02/18/12 12:33	
Carbon tetrachloride	ug/L	0.50U	1.0	02/18/12 12:33	
Chlorobenzene	ug/L	0.40U	1.0	02/18/12 12:33	
Chloroethane	ug/L	0.61U	1.0	02/18/12 12:33	
Chloroform	ug/L	0.50U	1.0	02/18/12 12:33	
Chloromethane	ug/L	0.50U	1.0	02/18/12 12:33	
Dibromochloromethane	ug/L	0.25U	0.50	02/18/12 12:33	
Ethylbenzene	ug/L	0.50U	1.0	02/18/12 12:33	
Methylene Chloride	ug/L	2.5U	5.0	02/18/12 12:33	
Tetrachloroethene	ug/L	0.50U	1.0	02/18/12 12:33	
Toluene	ug/L	0.50U	1.0	02/18/12 12:33	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	02/18/12 12:33	
Trichloroethene	ug/L	0.50U	1.0	02/18/12 12:33	
Vinyl chloride	ug/L	0.53U	1.0	02/18/12 12:33	
1,2-Dichloroethane-d4 (S)	%	100	79-123	02/18/12 12:33	
4-Bromofluorobenzene (S)	%	99	71-111	02/18/12 12:33	
Dibromofluoromethane (S)	%	98	88-113	02/18/12 12:33	
Toluene-d8 (S)	%	102	77-116	02/18/12 12:33	

LABORATORY CONTROL SAMPLE: 343021

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	24.1	121	52-162	
1,1,2,2-Tetrachloroethane	ug/L	20	20.6	103	14-157	
1,1,2-Trichloroethane	ug/L	20	20.6	103	52-150	
1,1-Dichloroethane	ug/L	20	21.1	105	59-155	
1,1-Dichloroethene	ug/L	20	21.7	108	10-234	
1,2-Dichloroethane	ug/L	20	20.0	100	49-155	

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### QUALITY CONTROL DATA

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

LABORATORY CONTROL SAMPLE: 343021

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/L	20	20.0	100	10-210	
2-Chloroethylvinyl ether	ug/L	20	15.1	76	10-305	
Acrolein	ug/L	200	174	87	14-183	
Acrylonitrile	ug/L	200	196	98	60-146	
Benzene	ug/L	20	21.1	106	37-151	
Bromodichloromethane	ug/L	20	19.0	95	35-155	
Bromoform	ug/L	20	17.8	89	45-169	
Bromomethane	ug/L	20	21.1	106	10-242	
Carbon tetrachloride	ug/L	20	23.2	116	70-140	
Chlorobenzene	ug/L	20	21.1	105	37-160	
Chloroethane	ug/L	20	19.3	96	10-230	
Chloroform	ug/L	20	17.7	88	51-138	
Chloromethane	ug/L	20	19.1	95	10-273	
Dibromochloromethane	ug/L	20	17.8	89	35-155	
Ethylbenzene	ug/L	20	21.2	106	37-162	
Methylene Chloride	ug/L	20	21.3	107	10-221	
Tetrachloroethene	ug/L	20	19.3	96	64-148	
Toluene	ug/L	20	21.0	105	47-150	
trans-1,2-Dichloroethene	ug/L	20	20.4	102	54-156	
Trichloroethene	ug/L	20	21.6	108	71-157	
Vinyl chloride	ug/L	20	21.5	107	10-251	
1,2-Dichloroethane-d4 (S)	%			95	79-123	
4-Bromofluorobenzene (S)	%			102	71-111	
Dibromofluoromethane (S)	%			93	88-113	
Toluene-d8 (S)	%			99	77-116	

MATRIX SPIKE SAMPLE: 343028

Parameter	Units	3550286002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	0.50U	20	24.9	124	52-162	
1,1,2,2-Tetrachloroethane	ug/L	0.17U	20	156	778	14-157 J(P6)	
1,1,2-Trichloroethane	ug/L	0.50U	20	18.1	91	52-150	
1,1-Dichloroethane	ug/L	0.50U	20	20.9	105	59-155	
1,1-Dichloroethene	ug/L	0.71U	20	23.2	116	10-234	
1,2-Dichloroethane	ug/L	0.50U	20	20.8	104	49-155	
1,2-Dichloropropane	ug/L	0.50U	20	17.6	88	10-210	
2-Chloroethylvinyl ether	ug/L	5.0U	20	5.0U	0	10-305 J(M1)	
Acrolein	ug/L	10.0U	200	144	71	14-183	
Acrylonitrile	ug/L	5.0U	200	209	104	60-146	
Benzene	ug/L	0.50U	20	18.7	94	37-151	
Bromodichloromethane	ug/L	0.30U	20	18.5	92	35-155	
Bromoform	ug/L	0.50U	20	16.7	83	45-169	
Bromomethane	ug/L	0.50U	20	14.6	73	10-242	
Carbon tetrachloride	ug/L	0.50U	20	21.7	109	70-140	
Chlorobenzene	ug/L	0.40U	20	18.5	93	37-160	
Chloroethane	ug/L	0.61U	20	17.9	89	10-230	
Chloroform	ug/L	1.4	20	22.8	107	51-138	

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### QUALITY CONTROL DATA

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

MATRIX SPIKE SAMPLE: 343028		3550286002	Spike	MS	MS	% Rec	Qualifiers
Parameter	Units	Result	Conc.	Result	% Rec	Limits	
Chloromethane	ug/L	0.50U	20	19.9	100	10-273	
Dibromochloromethane	ug/L	0.25U	20	15.4	77	35-155	
Ethylbenzene	ug/L	0.50U	20	13.3	67	37-162	
Methylene Chloride	ug/L	2.5U	20	21.6	100	10-221	
Tetrachloroethene	ug/L	0.50U	20	18.3	91	64-148	
Toluene	ug/L	1.4	20	21.3	99	47-150	
trans-1,2-Dichloroethene	ug/L	0.50U	20	19.1	96	54-156	
Trichloroethene	ug/L	0.50U	20	18.1	91	71-157	
Vinyl chloride	ug/L	0.53U	20	20.0	100	10-251	
1,2-Dichloroethane-d4 (S)	%				105	79-123	
4-Bromofluorobenzene (S)	%				48	71-111 J(S0)	
Dibromofluoromethane (S)	%				115	88-113 J(S0)	
Toluene-d8 (S)	%				108	77-116	

SAMPLE DUPLICATE: 343027

Parameter	Units	3550286001	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.17U	0.17U		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	0.71U	0.71U		40	
1,2-Dichloroethane	ug/L	0.50U	0.50U		40	
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
2-Chloroethylvinyl ether	ug/L	5.0U	5.0U		40	
Acrolein	ug/L	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	0.50U	0.50U		40	
Bromodichloromethane	ug/L	0.30U	0.30U		40	
Bromofom	ug/L	0.50U	0.50U		40	
Bromomethane	ug/L	0.50U	0.50U		40	
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	0.40U	0.40U		40	
Chloroethane	ug/L	0.61U	0.61U		40	
Chloroform	ug/L	0.50U	0.50U		40	
Chloromethane	ug/L	0.50U	0.50U		40	
Dibromochloromethane	ug/L	0.25U	0.25U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		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	
Trichloroethene	ug/L	0.50U	0.50U		40	
Vinyl chloride	ug/L	0.53U	0.53U		40	
1,2-Dichloroethane-d4 (S)	%	104	102	1		
4-Bromofluorobenzene (S)	%	61	21	96		J(S0)
Dibromofluoromethane (S)	%	99	99	.2		

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**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

SAMPLE DUPLICATE: 343027

Parameter	Units	3550286001 Result	Dup Result	RPD	Max RPD	Qualifiers
Toluene-d8 (S)	%	94	88	7		

### QUALITY CONTROL DATA

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

QC Batch: MSV/4830 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5030 Low  
Associated Lab Samples: 3550290004

METHOD BLANK: 343803 Matrix: Solid  
Associated Lab Samples: 3550290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	2.7U	5.0	02/21/12 08:33	
1,1,2,2-Tetrachloroethane	ug/kg	2.5U	5.0	02/21/12 08:33	
1,1,2-Trichloroethane	ug/kg	2.5U	5.0	02/21/12 08:33	
1,1-Dichloroethane	ug/kg	2.7U	5.0	02/21/12 08:33	
1,1-Dichloroethene	ug/kg	2.5U	5.0	02/21/12 08:33	
1,2-Dichloroethane	ug/kg	2.5U	5.0	02/21/12 08:33	
1,2-Dichloropropane	ug/kg	2.5U	5.0	02/21/12 08:33	
2-Chloroethylvinyl ether	ug/kg	2.5U	5.0	02/21/12 08:33	
Acrolein	ug/kg	35.0U	49.6	02/21/12 08:33	
Acrylonitrile	ug/kg	26.7U	49.6	02/21/12 08:33	
Benzene	ug/kg	2.5U	5.0	02/21/12 08:33	
Bromodichloromethane	ug/kg	2.5U	5.0	02/21/12 08:33	
Bromoform	ug/kg	2.5U	5.0	02/21/12 08:33	
Bromomethane	ug/kg	2.5U	5.0	02/21/12 08:33	
Carbon tetrachloride	ug/kg	2.5U	5.0	02/21/12 08:33	
Chlorobenzene	ug/kg	2.5U	5.0	02/21/12 08:33	
Chloroethane	ug/kg	3.6U	5.0	02/21/12 08:33	
Chloroform	ug/kg	2.9U	5.0	02/21/12 08:33	
Chloromethane	ug/kg	2.8U	5.0	02/21/12 08:33	
Dibromochloromethane	ug/kg	2.5U	5.0	02/21/12 08:33	
Ethylbenzene	ug/kg	2.8U	5.0	02/21/12 08:33	
Methylene Chloride	ug/kg	2.5U	5.0	02/21/12 08:33	
Tetrachloroethene	ug/kg	2.5U	5.0	02/21/12 08:33	
Toluene	ug/kg	2.7U	5.0	02/21/12 08:33	
trans-1,2-Dichloroethene	ug/kg	3.0U	5.0	02/21/12 08:33	
Trichloroethene	ug/kg	2.8U	5.0	02/21/12 08:33	
Vinyl chloride	ug/kg	2.7U	5.0	02/21/12 08:33	
1,2-Dichloroethane-d4 (S)	%	98	80-131	02/21/12 08:33	
4-Bromofluorobenzene (S)	%	98	55-148	02/21/12 08:33	
Dibromofluoromethane (S)	%	97	82-115	02/21/12 08:33	
Toluene-d8 (S)	%	95	84-117	02/21/12 08:33	

LABORATORY CONTROL SAMPLE: 343804

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	19.6	17.6	89	68-130	
1,1,2,2-Tetrachloroethane	ug/kg	19.6	21.7	111	70-130	
1,1,2-Trichloroethane	ug/kg	19.6	18.4	94	70-130	
1,1-Dichloroethane	ug/kg	19.6	20.4	104	69-130	
1,1-Dichloroethene	ug/kg	19.6	20.9	106	67-130	
1,2-Dichloroethane	ug/kg	19.6	19.8	101	70-130	

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**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

LABORATORY CONTROL SAMPLE: 343804

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/kg	19.6	21.8	111	70-130	
2-Chloroethylvinyl ether	ug/kg	19.6	2.5U	0	20-150	J(L0)
Acrolein	ug/kg	196	254	129	37-163	
Acrylonitrile	ug/kg	196	240	122	70-130	
Benzene	ug/kg	19.6	20.1	102	70-130	
Bromodichloromethane	ug/kg	19.6	20.0	102	70-130	
Bromoform	ug/kg	19.6	23.6	120	70-130	
Bromomethane	ug/kg	19.6	21.3	109	42-156	
Carbon tetrachloride	ug/kg	19.6	19.5	99	65-132	
Chlorobenzene	ug/kg	19.6	19.4	99	70-130	
Chloroethane	ug/kg	19.6	20.6	105	56-146	
Chloroform	ug/kg	19.6	20.0	102	69-130	
Chloromethane	ug/kg	19.6	24.6	125	50-145	
Dibromochloromethane	ug/kg	19.6	20.9	106	70-130	
Ethylbenzene	ug/kg	19.6	18.7	95	70-130	
Methylene Chloride	ug/kg	19.6	22.0	112	40-159	
Tetrachloroethene	ug/kg	19.6	21.2	108	63-130	
Toluene	ug/kg	19.6	15.9	81	70-130	
trans-1,2-Dichloroethene	ug/kg	19.6	19.2	98	70-130	
Trichloroethene	ug/kg	19.6	20.0	102	69-130	
Vinyl chloride	ug/kg	19.6	21.4	109	67-130	
1,2-Dichloroethane-d4 (S)	%			118	80-131	
4-Bromofluorobenzene (S)	%			124	55-148	
Dibromofluoromethane (S)	%			95	82-115	
Toluene-d8 (S)	%			99	84-117	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 344440 344441

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		3550317001 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result
1,1,1-Trichloroethane	ug/kg		28.1	30.2	12.0	17.3	43	57	42-131	36	40
1,1,2,2-Tetrachloroethane	ug/kg		28.1	30.2	25.2	25.3	89	84	50-130	.4	40
1,1,2-Trichloroethane	ug/kg		28.1	30.2	19.2	20.2	68	67	59-130	5	40
1,1-Dichloroethane	ug/kg		28.1	30.2	13.5	18.4	48	61	50-130	30	40
1,1-Dichloroethene	ug/kg		28.1	30.2	10.8	17.0	38	56	51-130	44	40 J(D6)
1,2-Dichloroethane	ug/kg		28.1	30.2	16.1	17.8	57	59	57-130	10	40
1,2-Dichloropropane	ug/kg		28.1	30.2	16.7	20.7	59	69	52-130	21	40
2-Chloroethylvinyl ether	ug/kg		28.1	30.2	3.5U	3.8U	0	0	20-137		40
Acrolein	ug/kg		281	302	65.5 I	53.9 I	23	18	20-152		40
Acrylonitrile	ug/kg		281	302	189	164	67	54	24-140	14	40
Benzene	ug/kg	0.0037 U mg/kg	28.1	30.2	13.3	18.6	47	62	24-141	33	40
Bromodichloromethane	ug/kg		28.1	30.2	14.2	17.4	50	58	20-155	20	40
Bromoform	ug/kg		28.1	30.2	17.9	19.0	64	63	30-130	6	40
Bromomethane	ug/kg		28.1	30.2	14.9	15.7	53	52	22-152	5	40
Carbon tetrachloride	ug/kg		28.1	30.2	11.4	17.1	41	57	23-141	40	40
Chlorobenzene	ug/kg		28.1	30.2	15.1	19.3	54	64	34-130	24	40

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**REPORT OF LABORATORY ANALYSIS**

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**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

Parameter	Units	3550317001		MS		MSD		MS		MSD		% Rec	Limits	RPD	Max	RPD	Qual
		Result	Conc.	Conc.	Conc.	Result	Result	% Rec	% Rec								
Chloroethane	ug/kg		28.1	30.2	19.7	18.3	70	61	43-146	7	40						
Chloroform	ug/kg		28.1	30.2	12.8	18.2	46	60	42-132	35	40						
Chloromethane	ug/kg		28.1	30.2	14.2	19.8	50	66	31-144	33	40						
Dibromochloromethane	ug/kg		28.1	30.2	15.9	18.8	56	62	20-151	17	40						
Ethylbenzene	ug/kg	0.017	28.1	30.2	23.2	31.8	24	51	30-130	31	40						J(M1)
		mg/kg															
Methylene Chloride	ug/kg		28.1	30.2	14.0	17.2	50	57	20-150	21	40						
Tetrachloroethene	ug/kg		28.1	30.2	10.1	14.2	36	47	23-144	34	40						
Toluene	ug/kg	0.25	28.1	30.2	115	136	-473	-375	24-137	16	40						J(M1)
		mg/kg															
trans-1,2-Dichloroethene	ug/kg		28.1	30.2	11.1	15.6	40	52	50-130	34	40						
Trichloroethene	ug/kg		28.1	30.2	12.1	17.3	43	57	42-130	35	40						
Vinyl chloride	ug/kg		28.1	30.2	10.9	18.2	39	60	47-130	50	40						J(D6)
1,2-Dichloroethane-d4 (S)	%						104	92	80-131								
4-Bromofluorobenzene (S)	%						102	99	55-148								
Dibromofluoromethane (S)	%						87	85	82-115								
Toluene-d8 (S)	%						95	93	84-117								





**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

QC Batch: MSV/4856 Analysis Method: EPA 8260  
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV TCLP  
 Associated Lab Samples: 3550290004

METHOD BLANK: 345405 Matrix: Water  
 Associated Lab Samples: 3550290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	mg/L	0.00038U	0.0010	02/23/12 20:15	
1,2-Dichloroethane	mg/L	0.00015U	0.0010	02/23/12 20:15	
1,4-Dichlorobenzene	mg/L	0.00015U	0.0010	02/23/12 20:15	
2-Butanone (MEK)	mg/L	0.00079U	0.010	02/23/12 20:15	
Benzene	mg/L	0.00050U	0.0010	02/23/12 20:15	
Carbon tetrachloride	mg/L	0.00034U	0.0010	02/23/12 20:15	
Chlorobenzene	mg/L	0.00019U	0.0010	02/23/12 20:15	
Chloroform	mg/L	0.00020U	0.0010	02/23/12 20:15	
Tetrachloroethene	mg/L	0.00017U	0.0010	02/23/12 20:15	
Trichloroethene	mg/L	0.00025U	0.0010	02/23/12 20:15	
Vinyl chloride	mg/L	0.00053U	0.0010	02/23/12 20:15	
4-Bromofluorobenzene (S)	%	101	74-112	02/23/12 20:15	
Dibromofluoromethane (S)	%	103	86-111	02/23/12 20:15	
Toluene-d8 (S)	%	102	88-116	02/23/12 20:15	

LABORATORY CONTROL SAMPLE & LCSD: 345406 345407

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1-Dichloroethene	mg/L	.02	0.020	0.019	99	94	66-147	5	40	
1,2-Dichloroethane	mg/L	.02	0.018	0.017	89	86	84-124	3	40	
1,4-Dichlorobenzene	mg/L	.02	0.020	0.019	98	95	81-122	4	40	
2-Butanone (MEK)	mg/L	.02	0.017	0.020	87	101	44-156	15	40	
Benzene	mg/L	.02	0.020	0.019	99	97	76-129	1	40	
Carbon tetrachloride	mg/L	.02	0.019	0.019	96	94	65-136	2	40	
Chlorobenzene	mg/L	.02	0.022	0.021	109	107	82-117	2	40	
Chloroform	mg/L	.02	0.019	0.019	96	96	80-130	.3	40	
Tetrachloroethene	mg/L	.02	0.020	0.019	102	96	41-122	6	40	
Trichloroethene	mg/L	.02	0.019	0.018	95	92	74-129	2	40	
Vinyl chloride	mg/L		0.018	0.018				4	40	
4-Bromofluorobenzene (S)	%				105	100	74-112			
Dibromofluoromethane (S)	%				100	101	86-111			
Toluene-d8 (S)	%				99	97	88-116			

**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

QC Batch: OEXT/7579 Analysis Method: EPA 1664A  
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease  
Associated Lab Samples: 3550290001, 3550290002, 3550290003

METHOD BLANK: 345280 Matrix: Water

Associated Lab Samples: 3550290001, 3550290002, 3550290003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	1.4U	5.0	02/23/12 18:32	

LABORATORY CONTROL SAMPLE: 345281

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.3	98	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 345399 345400

Parameter	Units	3550001004 Result	MS Spike	MSD Spike	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Conc.	Conc.								
Oil and Grease	mg/L	1.4U	40.3	40.2	35.3	37.1	88	92	78-114	5	18	



**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

QC Batch: OEXT/7537 Analysis Method: EPA 608  
 QC Batch Method: EPA 608 SF Analysis Description: 608 GCS Pest PCB  
 Associated Lab Samples: 3550290001, 3550290002, 3550290003

METHOD BLANK: 342842 Matrix: Water  
 Associated Lab Samples: 3550290001, 3550290002, 3550290003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	0.0050U	0.010	02/22/12 19:50	
4,4'-DDE	ug/L	0.0080U	0.010	02/22/12 19:50	
4,4'-DDT	ug/L	0.0050U	0.010	02/22/12 19:50	
Aldrin	ug/L	0.0060U	0.010	02/22/12 19:50	
alpha-BHC	ug/L	0.0040U	0.010	02/22/12 19:50	
beta-BHC	ug/L	0.0060U	0.010	02/22/12 19:50	
Chlordane (Technical)	ug/L	0.080U	0.50	02/22/12 19:50	
delta-BHC	ug/L	0.0060U	0.010	02/22/12 19:50	
Dieldrin	ug/L	0.0050U	0.010	02/22/12 19:50	
Endosulfan I	ug/L	0.0050U	0.010	02/22/12 19:50	
Endosulfan II	ug/L	0.0040U	0.010	02/22/12 19:50	
Endosulfan sulfate	ug/L	0.010U	0.010	02/22/12 19:50	
Endrin	ug/L	0.0060U	0.010	02/22/12 19:50	
Endrin aldehyde	ug/L	0.0050U	0.0050	02/22/12 19:50	
gamma-BHC (Lindane)	ug/L	0.0040U	0.010	02/22/12 19:50	
Heptachlor	ug/L	0.0060U	0.010	02/22/12 19:50	
Heptachlor epoxide	ug/L	0.0060U	0.010	02/22/12 19:50	
PCB-1016 (Aroclor 1016)	ug/L	0.080U	0.50	02/22/12 19:50	
PCB-1221 (Aroclor 1221)	ug/L	0.081U	0.50	02/22/12 19:50	
PCB-1232 (Aroclor 1232)	ug/L	0.12U	0.50	02/22/12 19:50	
PCB-1242 (Aroclor 1242)	ug/L	0.13U	0.50	02/22/12 19:50	
PCB-1248 (Aroclor 1248)	ug/L	0.28U	0.50	02/22/12 19:50	
PCB-1254 (Aroclor 1254)	ug/L	0.14U	0.50	02/22/12 19:50	
PCB-1260 (Aroclor 1260)	ug/L	0.11U	0.50	02/22/12 19:50	
Toxaphene	ug/L	0.37U	0.50	02/22/12 19:50	
Decachlorobiphenyl (S)	%	86	61-121	02/22/12 19:50	
Tetrachloro-m-xylene (S)	%	78	53-110	02/22/12 19:50	

LABORATORY CONTROL SAMPLE: 342843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.5	0.49	99	31-141	
4,4'-DDE	ug/L	.5	0.50	100	30-145	
4,4'-DDT	ug/L	.5	0.71	142	25-160	
Aldrin	ug/L	.5	0.41	81	42-122	
alpha-BHC	ug/L	.5	0.39	78	37-134	
beta-BHC	ug/L	.5	0.47	95	17-147	
delta-BHC	ug/L	.5	0.33	66	19-140	
Dieldrin	ug/L	.5	0.50	100	36-146	
Endosulfan I	ug/L	.5	0.47	94	45-153	
Endosulfan II	ug/L	.5	0.52	103	10-202	

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**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

LABORATORY CONTROL SAMPLE: 342843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endosulfan sulfate	ug/L	.5	0.50	99	26-144	
Endrin	ug/L	.5	0.48	95	30-147	
Endrin aldehyde	ug/L	.5	0.53	106	70-130	
gamma-BHC (Lindane)	ug/L	.5	0.43	86	32-127	
Heptachlor	ug/L	.5	0.47	94	34-111	
Heptachlor epoxide	ug/L	.5	0.49	98	37-142	
Decachlorobiphenyl (S)	%			79	61-121	
Tetrachloro-m-xylene (S)	%			77	53-110	

LABORATORY CONTROL SAMPLE: 343121

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	2.5	2.6	102	50-114	
PCB-1260 (Aroclor 1260)	ug/L	2.5	2.5	99	10-127	
Decachlorobiphenyl (S)	%			81	61-121	
Tetrachloro-m-xylene (S)	%			82	53-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 342844 342845

Parameter	Units	3550204015		MS	MSD	342845		% Rec	% Rec	% Rec Limits	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	MS Result	MSD Result					
4,4'-DDD	ug/L	0.0047	U	1	.83	0.92	0.80	92	96	31-141	13	40
4,4'-DDE	ug/L	0.0076	U	1	.83	0.94	0.77	94	93	30-145	20	40
4,4'-DDT	ug/L	0.0047	U	1	.83	1.6	1.3	158	152	25-160	22	40
Aldrin	ug/L	0.0057	U	1	.83	0.88	0.75	88	90	42-122	16	40
alpha-BHC	ug/L	0.0038	U	1	.83	0.83	0.69	83	83	37-134	19	40
beta-BHC	ug/L	0.0057	U	1	.83	1.0	0.86	103	103	17-147	18	40
delta-BHC	ug/L	0.0057	U	1	.83	0.73	0.58	73	69	19-140	23	40
Dieldrin	ug/L	0.0047	U	1	.83	1.0	0.87	103	105	36-146	17	40
Endosulfan I	ug/L	0.0047	U	1	.83	0.94	0.78	94	94	45-153	18	40
Endosulfan II	ug/L	0.0038	U	1	.83	1.0	0.84	102	101	10-202	19	40
Endosulfan sulfate	ug/L	0.0094	U	1	.83	1.0	0.83	100	100	26-144	18	40
Endrin	ug/L	0.0057	U	1	.83	0.97	0.81	97	98	30-147	18	40
Endrin aldehyde	ug/L	0.0047	U	1	.83	1.0	0.83	103	100	70-130	21	40
gamma-BHC (Lindane)	ug/L	0.0038	U	1	.83	0.94	0.79	94	94	32-127	18	40

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**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

Parameter	Units	3550204015		342844		342845		% Rec	% Rec	% Rec	Limits	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Heptachlor	ug/L	0.0057 U	1	.83	1.1	0.94	112	113	34-111	17	40	J(M1)	
Heptachlor epoxide	ug/L	0.0057 U	1	.83	1.0	0.84	100	101	37-142	17	40		
Decachlorobiphenyl (S)	%						93	93	61-121				
Tetrachloro-m-xylene (S)	%						91	95	53-110				



**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

QC Batch: OEXT/7530 Analysis Method: EPA 625  
 QC Batch Method: EPA 625 Analysis Description: 625 MSS  
 Associated Lab Samples: 3550290001, 3550290002, 3550290003

METHOD BLANK: 342816 Matrix: Water  
 Associated Lab Samples: 3550290001, 3550290002, 3550290003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	0.83U	5.0	02/19/12 14:21	
1,2-Dichlorobenzene	ug/L	0.68U	5.0	02/19/12 14:21	
1,2-Diphenylhydrazine	ug/L	0.66U	5.0	02/19/12 14:21	
1,3-Dichlorobenzene	ug/L	0.76U	5.0	02/19/12 14:21	
1,4-Dichlorobenzene	ug/L	0.77U	5.0	02/19/12 14:21	
2,4,6-Trichlorophenol	ug/L	0.69U	2.0	02/19/12 14:21	
2,4-Dichlorophenol	ug/L	0.56U	2.0	02/19/12 14:21	
2,4-Dimethylphenol	ug/L	1.6U	5.0	02/19/12 14:21	
2,4-Dinitrophenol	ug/L	1.6U	14.0	02/19/12 14:21	
2,4-Dinitrotoluene	ug/L	0.53U	2.0	02/19/12 14:21	
2,6-Dinitrotoluene	ug/L	0.64U	4.0	02/19/12 14:21	
2-Chloronaphthalene	ug/L	0.80U	2.0	02/19/12 14:21	
2-Chlorophenol	ug/L	0.68U	5.0	02/19/12 14:21	
2-Nitrophenol	ug/L	0.81U	5.0	02/19/12 14:21	
3,3'-Dichlorobenzidine	ug/L	0.69U	10.0	02/19/12 14:21	
4,6-Dinitro-2-methylphenol	ug/L	1.3U	20.0	02/19/12 14:21	
4-Bromophenylphenyl ether	ug/L	0.67U	5.0	02/19/12 14:21	
4-Chloro-3-methylphenol	ug/L	0.62U	20.0	02/19/12 14:21	
4-Chlorophenylphenyl ether	ug/L	0.63U	5.0	02/19/12 14:21	
4-Nitrophenol	ug/L	1.1U	20.0	02/19/12 14:21	
Acenaphthylene	ug/L	0.95U	5.0	02/19/12 14:21	
Anthracene	ug/L	0.60U	5.0	02/19/12 14:21	
Benzidine	ug/L	0.77U	25.0	02/19/12 14:21	
Benzo(a)anthracene	ug/L	0.63U	2.0	02/19/12 14:21	
Benzo(a)pyrene	ug/L	0.58U	1.0	02/19/12 14:21	
Benzo(b)fluoranthene	ug/L	0.62U	2.0	02/19/12 14:21	
Benzo(g,h,i)perylene	ug/L	0.68U	5.0	02/19/12 14:21	
Benzo(k)fluoranthene	ug/L	0.51U	4.0	02/19/12 14:21	
bis(2-Chloroethoxy)methane	ug/L	3.0U	5.0	02/19/12 14:21	
bis(2-Chloroethyl) ether	ug/L	0.75U	4.0	02/19/12 14:21	
bis(2-Chloroisopropyl) ether	ug/L	0.73U	5.0	02/19/12 14:21	
bis(2-Ethylhexyl)phthalate	ug/L	0.80U	5.0	02/19/12 14:21	
Butylbenzylphthalate	ug/L	0.72U	5.0	02/19/12 14:21	
Chrysene	ug/L	0.37U	5.0	02/19/12 14:21	
Di-n-butylphthalate	ug/L	0.41U	5.0	02/19/12 14:21	
Di-n-octylphthalate	ug/L	0.90U	5.0	02/19/12 14:21	
Dibenz(a,h)anthracene	ug/L	0.65U	2.0	02/19/12 14:21	
Diethylphthalate	ug/L	0.51U	5.0	02/19/12 14:21	
Dimethylphthalate	ug/L	0.64U	5.0	02/19/12 14:21	
Dioxin Screen	ug/L	10.0U	10.0	02/19/12 14:21	N2
Fluoranthene	ug/L	0.54U	5.0	02/19/12 14:21	
Fluorene	ug/L	0.56U	5.0	02/19/12 14:21	
Hexachloro-1,3-butadiene	ug/L	1.1U	2.0	02/19/12 14:21	

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**REPORT OF LABORATORY ANALYSIS**

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**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

METHOD BLANK: 342816 Matrix: Water

Associated Lab Samples: 3550290001, 3550290002, 3550290003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachlorobenzene	ug/L	0.80U	1.0	02/19/12 14:21	
Hexachlorocyclopentadiene	ug/L	1.3U	5.0	02/19/12 14:21	
Hexachloroethane	ug/L	0.71U	5.0	02/19/12 14:21	
Indeno(1,2,3-cd)pyrene	ug/L	0.73U	2.0	02/19/12 14:21	
Isophorone	ug/L	0.73U	5.0	02/19/12 14:21	
N-Nitroso-di-n-propylamine	ug/L	0.94U	4.0	02/19/12 14:21	
N-Nitrosodimethylamine	ug/L	0.97U	2.0	02/19/12 14:21	
N-Nitrosodiphenylamine	ug/L	0.50U	5.0	02/19/12 14:21	
Naphthalene	ug/L	0.78U	5.0	02/19/12 14:21	
Nitrobenzene	ug/L	1.1U	4.0	02/19/12 14:21	
Pentachlorophenol	ug/L	0.66U	20.0	02/19/12 14:21	
Phenanthrene	ug/L	0.52U	5.0	02/19/12 14:21	
Phenol	ug/L	0.54U	5.0	02/19/12 14:21	
Pyrene	ug/L	0.68U	5.0	02/19/12 14:21	
2,4,6-Tribromophenol (S)	%	82	54.2-114.4	02/19/12 14:21	
2-Fluorobiphenyl (S)	%	80	35.3-102.4	02/19/12 14:21	
2-Fluorophenol (S)	%	34	16.3-59.8	02/19/12 14:21	
Nitrobenzene-d5 (S)	%	72	37.3-107.7	02/19/12 14:21	
Phenol-d6 (S)	%	20	10-47.1	02/19/12 14:21	
Terphenyl-d14 (S)	%	103	50.1-115.1	02/19/12 14:21	

LABORATORY CONTROL SAMPLE: 342817

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	30.3	61	44-142	
1,2-Dichlorobenzene	ug/L	50	25.7	51	32-129	
1,2-Diphenylhydrazine	ug/L	50	42.9	86	51-111	
1,3-Dichlorobenzene	ug/L	50	26.2	52	10-172	
1,4-Dichlorobenzene	ug/L	50	25.7	51	20-124	
2,4,6-Trichlorophenol	ug/L	50	38.9	78	37-144	
2,4-Dichlorophenol	ug/L	50	32.7	65	39-135	
2,4-Dimethylphenol	ug/L	50	30.8	62	32-119	
2,4-Dinitrophenol	ug/L	50	42.7	85	10-191	
2,4-Dinitrotoluene	ug/L	50	39.2	78	39-139	
2,6-Dinitrotoluene	ug/L	50	39.2	78	50-158	
2-Chloronaphthalene	ug/L	50	36.4	73	60-118	
2-Chlorophenol	ug/L	50	24.2	48	23-134	
2-Nitrophenol	ug/L	50	30.4	61	29-182	
3,3'-Dichlorobenzidine	ug/L	50	46.6	93	0-262	
4,6-Dinitro-2-methylphenol	ug/L	50	50.8	102	0-181	
4-Bromophenylphenyl ether	ug/L	50	43.0	86	53-127	
4-Chloro-3-methylphenol	ug/L	50	32.7	65	22-147	
4-Chlorophenylphenyl ether	ug/L	50	38.1	76	25-158	
4-Nitrophenol	ug/L	50	14.01	28	10-132	
Acenaphthylene	ug/L	50	37.3	75	33-145	

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### QUALITY CONTROL DATA

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

LABORATORY CONTROL SAMPLE: 342817

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	ug/L	50	42.5	85	27-133	
Benzidine	ug/L	50	12.81	26	0-99	
Benzo(a)anthracene	ug/L	50	43.8	88	33-143	
Benzo(a)pyrene	ug/L	50	47.4	95	17-163	
Benzo(b)fluoranthene	ug/L	50	44.2	88	24-159	
Benzo(g,h,i)perylene	ug/L	50	60.3	121	0-219	
Benzo(k)fluoranthene	ug/L	50	51.7	103	11-162	
bis(2-Chloroethoxy)methane	ug/L	50	33.2	66	33-184	
bis(2-Chloroethyl) ether	ug/L	50	24.4	49	12-158	
bis(2-Chloroisopropyl) ether	ug/L	50	26.7	53	36-166	
bis(2-Ethylhexyl)phthalate	ug/L	50	45.1	90	10-158	
Butylbenzylphthalate	ug/L	50	47.3	95	0-152	
Chrysene	ug/L	50	46.8	94	17-168	
Di-n-butylphthalate	ug/L	50	43.7	87	10-118	
Di-n-octylphthalate	ug/L	50	48.0	96	10-146	
Dibenz(a,h)anthracene	ug/L	50	58.8	118	0-227	
Diethylphthalate	ug/L	50	39.6	79	10-114	
Dimethylphthalate	ug/L	50	39.8	80	10-112	
Dioxin Screen	ug/L		10.0U			N2
Fluoranthene	ug/L	50	41.5	83	26-137	
Fluorene	ug/L	50	38.1	76	59-121	
Hexachloro-1,3-butadiene	ug/L	50	30.8	62	24-116	
Hexachlorobenzene	ug/L	50	43.4	87	0-152	
Hexachlorocyclopentadiene	ug/L	50	24.8	50	10-100	
Hexachloroethane	ug/L	50	26.5	53	40-113	
Indeno(1,2,3-cd)pyrene	ug/L	50	57.8	116	0-171	
Isophorone	ug/L	50	32.4	65	21-196	
N-Nitroso-di-n-propylamine	ug/L	50	26.7	53	10-230	
N-Nitrosodimethylamine	ug/L	50	15.2	30	19-58	
N-Nitrosodiphenylamine	ug/L	50	44.2	88	55-104	
Naphthalene	ug/L	50	29.9	60	21-133	
Nitrobenzene	ug/L	50	30.2	60	35-180	
Pentachlorophenol	ug/L	50	53.6	107	14-176	
Phenanthrene	ug/L	50	42.4	85	54-120	
Phenol	ug/L	50	9.5	19	10-112	
Pyrene	ug/L	50	46.6	93	52-115	
2,4,6-Tribromophenol (S)	%			83	54.2-114.4	
2-Fluorobiphenyl (S)	%			73	35.3-102.4	
2-Fluorophenol (S)	%			27	16.3-59.8	
Nitrobenzene-d5 (S)	%			62	37.3-107.7	
Phenol-d6 (S)	%			18	10-47.1	
Terphenyl-d14 (S)	%			101	50.1-115.1	



### QUALITY CONTROL DATA

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

Parameter	3550204015		MS	MSD	343118		343119		% Rec	% Rec	Limits	Max RPD	Qual
	Units	Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1,2,4-Trichlorobenzene	ug/L	0.79U	100	83.3	66.2	50.1	66	60	44-142	28	40		
1,2-Dichlorobenzene	ug/L	0.64U	100	83.3	56.6	47.1	57	57	32-129	18	40		
1,2-Diphenylhydrazine	ug/L	0.62U	100	83.3	88.1	74.2	88	89	51.1-110	17	40		
1,3-Dichlorobenzene	ug/L	0.72U	100	83.3	55.4	43.0	55	52	10-172	25	40		
1,4-Dichlorobenzene	ug/L	0.73U	100	83.3	55.8	43.5	56	52	20-124	25	40		
2,4,6-Trichlorophenol	ug/L	0.65U	100	83.3	81.7	66.4	82	80	37-144	21	40		
2,4-Dichlorophenol	ug/L	0.53U	100	83.3	73.2	58.1	73	67	39-135	27	40		
2,4-Dimethylphenol	ug/L	1.5U	100	83.3	67.7	42.9	68	52	32-119	45	40	J(D6)	
2,4-Dinitrophenol	ug/L	1.5U	100	83.3	81.9	68.4	82	82	10-191	18	40		
2,4-Dinitrotoluene	ug/L	0.50U	100	83.3	78.5	66.5	79	80	39-139	17	40		
2,6-Dinitrotoluene	ug/L	0.61U	100	83.3	79.4	66.6	79	80	50-158	17	40		
2-Chloronaphthalene	ug/L	0.76U	100	83.3	81.4	65.6	81	79	60-118	22	40		
2-Chlorophenol	ug/L	0.64U	100	83.3	56.8	42.7	57	51	23-134	28	40		
2-Nitrophenol	ug/L	0.77U	100	83.3	67.4	51.9	67	62	29-182	26	40		
3,3'-Dichlorobenzidine	ug/L	0.65U	100	83.3	52.0	7.8	52	9	0-262		40		
4,6-Dinitro-2-methylphenol	ug/L	1.2U	100	83.3	94.4	82.3	94	99	0-181	14	40		
4-Bromophenylphenyl ether	ug/L	0.63U	100	83.3	90.7	72.6	91	87	53-127	22	40		
4-Chloro-3-methylphenol	ug/L	0.59U	100	83.3	73.5	57.6	73	69	22-147	24	40		
4-Chlorophenylphenyl ether	ug/L	0.60U	100	83.3	80.4	64.8	80	78	25-158	21	40		
4-Nitrophenol	ug/L	1.0U	100	83.3	54.4	40.6	54	49	10-132	29	40		
Acenaphthylene	ug/L	0.90U	100	83.3	79.7	62.8	80	75	33-145	24	40		
Anthracene	ug/L	0.57U	100	83.3	83.3	67.0	83	80	27-133	22	40		
Benzidine	ug/L	0.73U	100	83.3	1.5U	1.3U	.9	0	0-99		40		
Benzo(a)anthracene	ug/L	0.60U	100	83.3	88.2	74.4	88	89	33-143	17	40		
Benzo(a)pyrene	ug/L	0.55U	100	83.3	86.7	72.1	87	87	17-163	18	40		
Benzo(b)fluoranthene	ug/L	0.59U	100	83.3	98.9	82.4	99	99	24-159	18	40		
Benzo(g,h,i)perylene	ug/L	0.64U	100	83.3	105	95.4	105	114	0-219	10	40		
Benzo(k)fluoranthene	ug/L	0.48U	100	83.3	73.9	71.8	74	86	11-162	3	40		
bis(2-Chloroethoxy)methane	ug/L	2.8U	100	83.3	67.5	61.9	67	74	33-184	9	40		
bis(2-Chloroethyl) ether	ug/L	0.71U	100	83.3	38.8	29.9	39	36	12-158	26	40		
bis(2-Chloroisopropyl) ether	ug/L	0.69U	100	83.3	57.2	44.3	57	53	36-166	25	40		
bis(2-Ethylhexyl)phthalate	ug/L	0.79	100	83.3	85.4	74.4	85	88	10-158	14	40		
Butylbenzylphthalate	ug/L	0.68U	100	83.3	91.9	78.3	92	94	0-152	16	40		
Chrysene	ug/L	0.35U	100	83.3	86.6	75.6	87	91	17-168	14	40		
Di-n-butylphthalate	ug/L	0.39U	100	83.3	83.7	73.1	84	88	10-118	13	40		
Di-n-octylphthalate	ug/L	0.85U	100	83.3	89.6	78.9	90	95	10-146	13	40		
Dibenz(a,h)anthracene	ug/L	0.61U	100	83.3	104	95.0	104	114	0-227	9	40		
Diethylphthalate	ug/L	0.48U	100	83.3	77.1	65.2	77	78	10-114	17	40		
Dimethylphthalate	ug/L	0.61U	100	83.3	79.8	65.3	80	78	10-112	20	40		
Fluoranthene	ug/L	0.51U	100	83.3	82.2	70.9	82	85	26-137	15	40		
Fluorene	ug/L	0.53U	100	83.3	79.1	64.2	79	77	59-121	21	40		
Hexachloro-1,3-butadiene	ug/L	1.0U	100	83.3	67.2	50.8	67	61	24-116	28	40		
Hexachlorobenzene	ug/L	0.76U	100	83.3	88.0	73.5	88	88	0-152	18	40		
Hexachlorocyclopentadiene	ug/L	1.2U	100	83.3	69.0	55.6	69	67	10-100	22	40		
Hexachloroethane	ug/L	0.67U	100	83.3	56.7	42.7	57	51	40-113	28	40		
Indeno(1,2,3-cd)pyrene	ug/L	0.69U	100	83.3	104	93.6	104	112	0-171	10	40		
Isophorone	ug/L	0.69U	100	83.3	68.6	52.3	69	63	21-196	27	40		



**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 343118				343119							
	Units	3550204015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
N-Nitroso-di-n-propylamine	ug/L	0.89U	100	83.3	56.9	44.4	57	53	10-230	25	40	
N-Nitrosodimethylamine	ug/L	0.92U	100	83.3	52.2	36.8	52	44	19-58	35	40	
N-Nitrosodiphenylamine	ug/L	0.47U	100	83.3	89.3	73.9	89	89	55-104	19	40	
Naphthalene	ug/L	0.74U	100	83.3	83.0	64.5	83	77	21-133	25	40	
Nitrobenzene	ug/L	1.0U	100	83.3	78.2	61.4	78	74	35-180	24	40	
Pentachlorophenol	ug/L	0.62U	100	83.3	98.5	83.0	99	100	14-176	17	40	
Phenanthrene	ug/L	0.49U	100	83.3	86.0	72.5	86	87	54-120	17	40	
Phenol	ug/L	0.51U	100	83.3	32.7	22.3	33	27	10-112	38	40	
Pyrene	ug/L	0.64U	100	83.3	88.6	77.5	89	93	52-115	13	40	
2,4,6-Tribromophenol (S)	%						81	84	54.2-114			
2-Fluorobiphenyl (S)	%						77	77	35.3-102			
2-Fluorophenol (S)	%						42	36	16.3-59.			
Nitrobenzene-d5 (S)	%						65	62	37.3-107			
Phenol-d6 (S)	%						34	29	10-47.1			
Terphenyl-d14 (S)	%						88	97	50.1-115			



**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

QC Batch: OEXT/7558 Analysis Method: EPA 8081  
 QC Batch Method: EPA 3546 Analysis Description: 8081 GCS Pesticides  
 Associated Lab Samples: 3550290004

METHOD BLANK: 344116 Matrix: Solid  
 Associated Lab Samples: 3550290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/kg	0.13U	1.7	02/22/12 16:29	
4,4'-DDE	ug/kg	0.061U	1.7	02/22/12 16:29	
4,4'-DDT	ug/kg	0.096U	1.7	02/22/12 16:29	
Aldrin	ug/kg	0.058U	1.7	02/22/12 16:29	
alpha-BHC	ug/kg	0.069U	1.7	02/22/12 16:29	
beta-BHC	ug/kg	0.077U	1.7	02/22/12 16:29	
Chlordane (Technical)	ug/kg	15.9U	17.0	02/22/12 16:29	
delta-BHC	ug/kg	0.087U	1.7	02/22/12 16:29	
Dieldrin	ug/kg	0.040U	1.7	02/22/12 16:29	
Endosulfan I	ug/kg	0.025U	1.7	02/22/12 16:29	
Endosulfan II	ug/kg	0.057U	1.7	02/22/12 16:29	
Endosulfan sulfate	ug/kg	0.043U	1.7	02/22/12 16:29	
Endrin	ug/kg	0.052U	1.7	02/22/12 16:29	
Endrin aldehyde	ug/kg	0.066U	1.7	02/22/12 16:29	
Endrin ketone	ug/kg	0.080U	1.7	02/22/12 16:29	
gamma-BHC (Lindane)	ug/kg	0.15U	1.7	02/22/12 16:29	
Heptachlor	ug/kg	0.039U	1.7	02/22/12 16:29	
Heptachlor epoxide	ug/kg	0.11U	1.7	02/22/12 16:29	
Methoxychlor	ug/kg	1.0U	1.7	02/22/12 16:29	
Toxaphene	ug/kg	7.3U	17.0	02/22/12 16:29	
Decachlorobiphenyl (S)	%	108	70-130	02/22/12 16:29	
Tetrachloro-m-xylene (S)	%	96	70-130	02/22/12 16:29	

LABORATORY CONTROL SAMPLE: 344117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/kg	16.7	15.9	95	70-137	
4,4'-DDE	ug/kg	16.7	16.7	100	70-133	
4,4'-DDT	ug/kg	16.7	19.8	119	66-149	
Aldrin	ug/kg	16.7	16.2	97	64-138	
alpha-BHC	ug/kg	16.7	16.5	99	66-132	
beta-BHC	ug/kg	16.7	16.1	96	70-140	
Chlordane (Technical)	ug/kg		15.9U			
delta-BHC	ug/kg	16.7	13.6		27-150	
Dieldrin	ug/kg	16.7	16.6	100	70-132	
Endosulfan I	ug/kg	16.7	16.3	98	70-131	
Endosulfan II	ug/kg	16.7	16.2	97	70-135	
Endosulfan sulfate	ug/kg	16.7	16.2	97	57-150	
Endrin	ug/kg	16.7	18.6	111	70-134	
Endrin aldehyde	ug/kg	16.7	14.4	86	64-130	
Endrin ketone	ug/kg	16.7	16.9	101	64-148	

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**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

LABORATORY CONTROL SAMPLE: 344117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
gamma-BHC (Lindane)	ug/kg	16.7	16.6	99	68-135	
Heptachlor	ug/kg	16.7	17.6	106	70-139	
Heptachlor epoxide	ug/kg	16.7	16.3	98	70-137	
Methoxychlor	ug/kg	16.7	18.8	113	70-147	
Toxaphene	ug/kg		7.3U			
Decachlorobiphenyl (S)	%			103	70-130	
Tetrachloro-m-xylene (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 344291 344292

Parameter	Units	3550436001		MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	MS Result	MSD Result					
4,4'-DDD	ug/kg	0.18U	22.8	22.8	16.9	18.6	74	81	70-137	9	40	
4,4'-DDE	ug/kg	0.084U	22.8	22.8	18.4	20.1	81	88	70-133	9	40	
4,4'-DDT	ug/kg	0.13U	22.8	22.8	22.7	23.1	99	101	66-149	2	40	
Aldrin	ug/kg	0.079U	22.8	22.8	19.0	20.2	83	88	64-138	6	40	
alpha-BHC	ug/kg	0.095U	22.8	22.8	19.6	20.7	86	91	66-132	6	40	
beta-BHC	ug/kg	0.11U	22.8	22.8	18.4	19.4	80	85	70-140	6	40	
Chlordane (Technical)	ug/kg	21.8U			21.8U	21.8U						
delta-BHC	ug/kg	0.12U	22.8	22.8	15.5	15.2	68	66	27-150	2	40	
Dieldrin	ug/kg	0.055U	22.8	22.8	18.7	20.3	82	88	70-132	8	40	
Endosulfan I	ug/kg	0.034U	22.8	22.8	18.6	20.1	82	88	70-131	8	40	
Endosulfan II	ug/kg	0.078U	22.8	22.8	18.1	19.3	79	84	70-135	7	40	
Endosulfan sulfate	ug/kg	0.059U	22.8	22.8	18.2	19.2	79	84	57-150	5	40	
Endrin	ug/kg	0.071U	22.8	22.8	20.5	22.1	90	97	70-134	8	40	
Endrin aldehyde	ug/kg	0.090U	22.8	22.8	17.9	19.3	79	84	64-130	7	40	
Endrin ketone	ug/kg	0.11U	22.8	22.8	19.2	20.5	84	90	64-148	7	40	
gamma-BHC (Lindane)	ug/kg	0.20U	22.8	22.8	19.3	20.5	85	89	68-135	6	40	
Heptachlor	ug/kg	0.053U	22.8	22.8	20.4	21.6	89	94	70-139	6	40	
Heptachlor epoxide	ug/kg	0.15U	22.8	22.8	19.0	20.5	83	90	70-137	8	40	
Methoxychlor	ug/kg	1.4U	22.8	22.8	20.7	22.2	91	97	70-147	7	40	
Toxaphene	ug/kg	10.1U			10.1U	10.1U						
Decachlorobiphenyl (S)	%						86	92	70-130			
Tetrachloro-m-xylene (S)	%						89	97	70-130			



**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

QC Batch: OEXT/7581 Analysis Method: EPA 8081  
 QC Batch Method: EPA 3510 Analysis Description: 8081 GCS TCLP Pesticides  
 Associated Lab Samples: 3550290004

METHOD BLANK: 345284 Matrix: Water  
 Associated Lab Samples: 3550290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	mg/L	0.0025U	0.0050	02/24/12 17:36	
Endrin	mg/L	0.00050U	0.0010	02/24/12 17:36	
gamma-BHC (Lindane)	mg/L	0.00050U	0.0010	02/24/12 17:36	
Heptachlor	mg/L	0.00050U	0.0010	02/24/12 17:36	
Heptachlor epoxide	mg/L	0.00050U	0.0010	02/24/12 17:36	
Methoxychlor	mg/L	0.00050U	0.0010	02/24/12 17:36	
Toxaphene	mg/L	0.0025U	0.0050	02/24/12 17:36	
Decachlorobiphenyl (S)	%	101	70-130	02/24/12 17:36	
Tetrachloro-m-xylene (S)	%	93	70-130	02/24/12 17:36	

LABORATORY CONTROL SAMPLE & LCSD: 345285

345783

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Endrin	mg/L	.005	0.0047	0.0047	94	94	70-130	.6	40	
gamma-BHC (Lindane)	mg/L	.005	0.0045	0.0045	89	89	70-130	.04	40	
Heptachlor	mg/L	.005	0.0047	0.0048	95	97	70-130	2	40	
Heptachlor epoxide	mg/L	.005	0.0047	0.0047	94	94	70-130	.1	40	
Methoxychlor	mg/L	.005	0.0049	0.0050	97	100	70-130	2	40	
Decachlorobiphenyl (S)	%				96	90	70-130			
Tetrachloro-m-xylene (S)	%				87	79	70-130			



**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

QC Batch: OEXT/7559 Analysis Method: EPA 8082  
 QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB  
 Associated Lab Samples: 3550290004

METHOD BLANK: 344119 Matrix: Solid  
 Associated Lab Samples: 3550290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	10.3U	17.0	02/22/12 15:16	
PCB-1221 (Aroclor 1221)	ug/kg	8.0U	17.0	02/22/12 15:16	
PCB-1232 (Aroclor 1232)	ug/kg	8.5U	17.0	02/22/12 15:16	
PCB-1242 (Aroclor 1242)	ug/kg	2.8U	17.0	02/22/12 15:16	
PCB-1248 (Aroclor 1248)	ug/kg	10.8U	17.0	02/22/12 15:16	
PCB-1254 (Aroclor 1254)	ug/kg	6.8U	17.0	02/22/12 15:16	
PCB-1260 (Aroclor 1260)	ug/kg	10.4U	17.0	02/22/12 15:16	
Decachlorobiphenyl (S)	%	109	24.5-162	02/22/12 15:16	
Tetrachloro-m-xylene (S)	%	94	19.6-135	02/22/12 15:16	

LABORATORY CONTROL SAMPLE: 344120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	83.3	85.6	103	62.4-118	
PCB-1260 (Aroclor 1260)	ug/kg	83.3	86.8	104	14.4-190	
Decachlorobiphenyl (S)	%			110	24.5-162	
Tetrachloro-m-xylene (S)	%			106	19.6-135	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 344293 344294

Parameter	Units	3550290004		344294		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual	
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
PCB-1016 (Aroclor 1016)	ug/kg	203U	1710	1710	2030	6220	119	365	62.4-118	102	40	J(D6), J(M1)
PCB-1260 (Aroclor 1260)	ug/kg	204U	1710	1710	1430	1510	84	89	14.4-190	6	40	
Decachlorobiphenyl (S)	%						131	113	24.5-162			
Tetrachloro-m-xylene (S)	%						104	110	19.6-135			



**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

QC Batch: OEXT/7548 Analysis Method: EPA 8151  
 QC Batch Method: EPA 3510 Analysis Description: 8151 GCS Herbicides TCLP  
 Associated Lab Samples: 3550290004

METHOD BLANK: 343632 Matrix: Water  
 Associated Lab Samples: 3550290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	mg/L	0.0050U	0.010	02/22/12 22:37	
2,4-D	mg/L	0.0050U	0.010	02/22/12 22:37	
2,4-DCAA (S)	%	107	70-130	02/22/12 22:37	

LABORATORY CONTROL SAMPLE: 343633

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	mg/L	.012	0.0094	78	70-130	
2,4-D	mg/L	.06	0.048	80	70-130	
2,4-DCAA (S)	%			88	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 343821 343822

Parameter	Units	92112032001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result					
2,4,5-TP (Silvex)	mg/L	ND	.012	0.011	.012	0.0086	92	71	70-130	40	
2,4-D	mg/L	ND	.06	0.057	.06	0.045	96	75	70-130	24	40
2,4-DCAA (S)	%						98	126	70-130		

**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

QC Batch: OEXT/7569 Analysis Method: EPA 8270  
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave  
Associated Lab Samples: 3550290004

METHOD BLANK: 344891 Matrix: Solid  
Associated Lab Samples: 3550290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	28.5U	170	02/23/12 10:27	
1,2-Dichlorobenzene	ug/kg	25.2U	170	02/23/12 10:27	
1,3-Dichlorobenzene	ug/kg	23.9U	170	02/23/12 10:27	
1,4-Dichlorobenzene	ug/kg	24.5U	170	02/23/12 10:27	
2,4,6-Trichlorophenol	ug/kg	25.2U	170	02/23/12 10:27	
2,4-Dichlorophenol	ug/kg	23.0U	170	02/23/12 10:27	
2,4-Dimethylphenol	ug/kg	30.6U	170	02/23/12 10:27	
2,4-Dinitrophenol	ug/kg	17.1U	670	02/23/12 10:27	
2,4-Dinitrotoluene	ug/kg	20.5U	170	02/23/12 10:27	
2,6-Dinitrotoluene	ug/kg	17.0U	170	02/23/12 10:27	
2-Chloronaphthalene	ug/kg	30.2U	170	02/23/12 10:27	
2-Chlorophenol	ug/kg	25.2U	170	02/23/12 10:27	
2-Methylphenol(o-Cresol)	ug/kg	24.8U	170	02/23/12 10:27	
2-Nitrophenol	ug/kg	27.5U	170	02/23/12 10:27	
3&4-Methylphenol(m&p Cresol)	ug/kg	51.0U	170	02/23/12 10:27	
3,3'-Dichlorobenzidine	ug/kg	17.8U	670	02/23/12 10:27	
4,6-Dinitro-2-methylphenol	ug/kg	18.8U	670	02/23/12 10:27	
4-Bromophenylphenyl ether	ug/kg	19.5U	170	02/23/12 10:27	
4-Chloro-3-methylphenol	ug/kg	20.6U	670	02/23/12 10:27	
4-Chlorophenylphenyl ether	ug/kg	21.4U	170	02/23/12 10:27	
4-Nitrophenol	ug/kg	25.3U	170	02/23/12 10:27	
Acenaphthylene	ug/kg	3.9U	33.0	02/23/12 10:27	
Anthracene	ug/kg	2.0U	33.0	02/23/12 10:27	
Benzidine	ug/kg	18.6U	830	02/23/12 10:27	
Benzo(a)anthracene	ug/kg	3.0U	33.0	02/23/12 10:27	
Benzo(a)pyrene	ug/kg	3.6U	33.0	02/23/12 10:27	
Benzo(b)fluoranthene	ug/kg	2.3U	33.0	02/23/12 10:27	
Benzo(g,h,i)perylene	ug/kg	3.0U	33.0	02/23/12 10:27	
Benzo(k)fluoranthene	ug/kg	4.9U	33.0	02/23/12 10:27	
bis(2-Chloroethoxy)methane	ug/kg	27.3U	170	02/23/12 10:27	
bis(2-Chloroethyl) ether	ug/kg	26.1U	170	02/23/12 10:27	
bis(2-Chloroisopropyl) ether	ug/kg	26.8U	170	02/23/12 10:27	
bis(2-Ethylhexyl)phthalate	ug/kg	24.8U	170	02/23/12 10:27	
Butylbenzylphthalate	ug/kg	19.1U	170	02/23/12 10:27	
Chrysene	ug/kg	3.0U	33.0	02/23/12 10:27	
Di-n-butylphthalate	ug/kg	21.7U	170	02/23/12 10:27	
Di-n-octylphthalate	ug/kg	17.4U	170	02/23/12 10:27	
Dibenz(a,h)anthracene	ug/kg	3.5U	33.0	02/23/12 10:27	
Diethylphthalate	ug/kg	23.4U	170	02/23/12 10:27	
Dimethylphthalate	ug/kg	17.9U	170	02/23/12 10:27	
Fluoranthene	ug/kg	3.7U	33.0	02/23/12 10:27	
Fluorene	ug/kg	2.5U	33.0	02/23/12 10:27	
Hexachloro-1,3-butadiene	ug/kg	24.2U	170	02/23/12 10:27	

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**REPORT OF LABORATORY ANALYSIS**

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**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

METHOD BLANK: 344891 Matrix: Solid

Associated Lab Samples: 3550290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachlorobenzene	ug/kg	19.2U	170	02/23/12 10:27	
Hexachlorocyclopentadiene	ug/kg	24.0U	670	02/23/12 10:27	
Hexachloroethane	ug/kg	30.9U	170	02/23/12 10:27	
Indeno(1,2,3-cd)pyrene	ug/kg	3.5U	33.0	02/23/12 10:27	
Isophorone	ug/kg	25.1U	170	02/23/12 10:27	
N-Nitroso-di-n-propylamine	ug/kg	24.2U	170	02/23/12 10:27	
N-Nitrosodimethylamine	ug/kg	25.4U	170	02/23/12 10:27	N2
N-Nitrosodiphenylamine	ug/kg	20.6U	170	02/23/12 10:27	
Naphthalene	ug/kg	3.5U	33.0	02/23/12 10:27	
Nitrobenzene	ug/kg	26.8U	170	02/23/12 10:27	
Pentachlorophenol	ug/kg	21.5U	670	02/23/12 10:27	
Phenanthrene	ug/kg	3.1U	33.0	02/23/12 10:27	
Phenol	ug/kg	31.4U	170	02/23/12 10:27	
Pyrene	ug/kg	4.0U	33.0	02/23/12 10:27	
2,4,6-Tribromophenol (S)	%	97	10-110	02/23/12 10:27	
2-Fluorobiphenyl (S)	%	77	18-110	02/23/12 10:27	
2-Fluorophenol (S)	%	75	18-110	02/23/12 10:27	
Nitrobenzene-d5 (S)	%	42	10-110	02/23/12 10:27	
Phenol-d6 (S)	%	85	10-110	02/23/12 10:27	
Terphenyl-d14 (S)	%	81	10-123	02/23/12 10:27	

LABORATORY CONTROL SAMPLE: 344892

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1280	77	51-110	
1,2-Dichlorobenzene	ug/kg	1670	1260	75	51-110	
1,3-Dichlorobenzene	ug/kg	1670	1210	72	50-110	
1,4-Dichlorobenzene	ug/kg	1670	1240	74	51-110	
2,4,6-Trichlorophenol	ug/kg	1670	1420	85	58-110	
2,4-Dichlorophenol	ug/kg	1670	1510	91	57-110	
2,4-Dimethylphenol	ug/kg	1670	1410	84	59-110	
2,4-Dinitrophenol	ug/kg	1670	1750	105	39-113	
2,4-Dinitrotoluene	ug/kg	1670	1810	109	68-110	
2,6-Dinitrotoluene	ug/kg	1670	1580	95	66-110	
2-Chloronaphthalene	ug/kg	1670	1270	76	59-110	
2-Chlorophenol	ug/kg	1670	1390	84	51-110	
2-Methylphenol(o-Cresol)	ug/kg	1670	1500	90	56-110	
2-Nitrophenol	ug/kg	1670	1410	85	56-110	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1610	97	55-110	
3,3'-Dichlorobenzidine	ug/kg	1670	1510	90	66-110	
4,6-Dinitro-2-methylphenol	ug/kg	1670	1530	92	55-113	
4-Bromophenylphenyl ether	ug/kg	1670	1310	78	65-110	
4-Chloro-3-methylphenol	ug/kg	1670	1670	100	64-110	
4-Chlorophenylphenyl ether	ug/kg	1670	1420	85	58-111	
4-Nitrophenol	ug/kg	1670	1930	116	49-136	

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**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

LABORATORY CONTROL SAMPLE: 344892

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthylene	ug/kg	1670	1380	83	41-120	
Anthracene	ug/kg	1670	1420	85	45-120	
Benzidine	ug/kg	1670	607 I	36	26-110	
Benzo(a)anthracene	ug/kg	1670	1540	93	44-120	
Benzo(a)pyrene	ug/kg	1670	1580	95	44-123	
Benzo(b)fluoranthene	ug/kg	1670	1760	106	37-124	
Benzo(g,h,i)perylene	ug/kg	1670	1370	82	42-125	
Benzo(k)fluoranthene	ug/kg	1670	1370	82	44-126	
bis(2-Chloroethoxy)methane	ug/kg	1670	1260	76	53-110	
bis(2-Chloroethyl) ether	ug/kg	1670	1300	78	45-110	
bis(2-Chloroisopropyl) ether	ug/kg	1670	1300	78	51-110	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1710	103	71-110	
Butylbenzylphthalate	ug/kg	1670	1640	98	72-110	
Chrysene	ug/kg	1670	1300	78	45-120	
Di-n-butylphthalate	ug/kg	1670	1620	97	67-115	
Di-n-octylphthalate	ug/kg	1670	1650	99	71-110	
Dibenz(a,h)anthracene	ug/kg	1670	1400	84	43-124	
Diethylphthalate	ug/kg	1670	1500	90	65-112	
Dimethylphthalate	ug/kg	1670	1410	85	63-111	
Fluoranthene	ug/kg	1670	1720	103	45-120	
Fluorene	ug/kg	1670	1510	91	42-120	
Hexachloro-1,3-butadiene	ug/kg	1670	1220	73	51-110	
Hexachlorobenzene	ug/kg	1670	1410	85	65-110	
Hexachlorocyclopentadiene	ug/kg	1670	904	54	18-112	
Hexachloroethane	ug/kg	1670	1180	71	49-110	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1370	82	43-123	
Isophorone	ug/kg	1670	1300	78	52-110	
N-Nitroso-di-n-propylamine	ug/kg	1670	1260	76	46-110	
N-Nitrosodimethylamine	ug/kg	1670	1120	67	42-110 N2	
N-Nitrosodiphenylamine	ug/kg	1670	1330	80	66-110	
Naphthalene	ug/kg	1670	1350	81	40-120	
Nitrobenzene	ug/kg	1670	1250	75	49-110	
Pentachlorophenol	ug/kg	1670	1800	108	49-117	
Phenanthrene	ug/kg	1670	1370	82	36-125	
Phenol	ug/kg	1670	1500	90	52-110	
Pyrene	ug/kg	1670	1500	90	41-123	
2,4,6-Tribromophenol (S)	%			109	10-110	
2-Fluorobiphenyl (S)	%			74	18-110	
2-Fluorophenol (S)	%			73	18-110	
Nitrobenzene-d5 (S)	%			43	10-110	
Phenol-d6 (S)	%			90	10-110	
Terphenyl-d14 (S)	%			92	10-123	



**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

QC Batch: OEXT7577 Analysis Method: EPA 8270  
 QC Batch Method: EPA 3510 Analysis Description: 8270 TCLP MSSV  
 Associated Lab Samples: 3550290004

METHOD BLANK: 344907 Matrix: Water  
 Associated Lab Samples: 3550290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	mg/L	0.010U	0.050	02/24/12 13:07	
2,4,5-Trichlorophenol	mg/L	0.0052U	0.050	02/24/12 13:07	
2,4,6-Trichlorophenol	mg/L	0.0069U	0.050	02/24/12 13:07	
2,4-Dinitrotoluene	mg/L	0.0053U	0.13	02/24/12 13:07	
2-Methylphenol(o-Cresol)	mg/L	0.015U	0.050	02/24/12 13:07	
3&4-Methylphenol(m&p Cresol)	mg/L	0.0066U	0.10	02/24/12 13:07	
Hexachloro-1,3-butadiene	mg/L	0.011U	0.050	02/24/12 13:07	
Hexachlorobenzene	mg/L	0.0080U	0.050	02/24/12 13:07	
Hexachloroethane	mg/L	0.0071U	0.050	02/24/12 13:07	
Nitrobenzene	mg/L	0.011U	0.050	02/24/12 13:07	
Pentachlorophenol	mg/L	0.0066U	0.20	02/24/12 13:07	
Pyridine	mg/L	0.015U	0.20	02/24/12 13:07	
2,4,6-Tribromophenol (S)	%	88	40.5-122	02/24/12 13:07	
2-Fluorobiphenyl (S)	%	73	53.5-97.2	02/24/12 13:07	
2-Fluorophenol (S)	%	37	13.2-66.5	02/24/12 13:07	
Nitrobenzene-d5 (S)	%	75	49.6-97.6	02/24/12 13:07	
Phenol-d6 (S)	%	24	10-57.3	02/24/12 13:07	
Terphenyl-d14 (S)	%	85	62.1-109	02/24/12 13:07	

LABORATORY CONTROL SAMPLE: 344908

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/L	.5	0.32	64	39.3-83.6	
2,4,5-Trichlorophenol	mg/L	.5	0.37	75	42.7-114	
2,4,6-Trichlorophenol	mg/L	.5	0.39	79	41.2-111	
2,4-Dinitrotoluene	mg/L	.5	0.42	84	58-111	
2-Methylphenol(o-Cresol)	mg/L	.5	0.28	56	41.4-83.9	
3&4-Methylphenol(m&p Cresol)	mg/L	.5	0.26	52	16.1-42.4 J(L0)	
Hexachloro-1,3-butadiene	mg/L	.5	0.35	69	20.7-99.2	
Hexachlorobenzene	mg/L	.5	0.39	78	62.6-106	
Hexachloroethane	mg/L	.5	0.31	63	24.3-91.5	
Nitrobenzene	mg/L	.5	0.36	71	46.4-95	
Pentachlorophenol	mg/L	.5	0.49	97	10-207	
Pyridine	mg/L	.5	0.10 I	20	10-72.9	
2,4,6-Tribromophenol (S)	%			88	40.5-122	
2-Fluorobiphenyl (S)	%			70	53.5-97.2	
2-Fluorophenol (S)	%			35	13.2-66.5	
Nitrobenzene-d5 (S)	%			71	49.6-97.6	
Phenol-d6 (S)	%			25	10-57.3	
Terphenyl-d14 (S)	%			80	62.1-109	

**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

Parameter	Units	3550290004		345219		345220		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
1,4-Dichlorobenzene	mg/L	0.010U	.5	.5	0.30	0.31	61	61	39.3-83.	1	40		
2,4,5-Trichlorophenol	mg/L	0.0052 U	.5	.5	0.38	0.38	76	76	42.7-114	3	40		
2,4,6-Trichlorophenol	mg/L	0.0069 U	.5	.5	0.39	0.40	79	81	41.2-111	2	40		
2,4-Dinitrotoluene	mg/L	0.0053 U	.5	.5	0.42	0.42	85	84	58-111	1	40		
2-Methylphenol(o-Cresol)	mg/L	0.015U	.5	.5	0.29	0.30	58	59	41.4-83.	1	40		
3&4-Methylphenol(m&p Cresol)	mg/L	0.0066 U	.5	.5	0.27	0.28	54	55	16.1-42.	1	40	J(MO)	
Hexachloro-1,3-butadiene	mg/L	0.011U	.5	.5	0.32	0.32	65	64	20.7-99.	1	40		
Hexachlorobenzene	mg/L	0.0080 U	.5	.5	0.39	0.40	79	80	62.6-106	1	40		
Hexachloroethane	mg/L	0.0071 U	.5	.5	0.30	0.30	60	60	24.3-91.	4	40		
Nitrobenzene	mg/L	0.011U	.5	.5	0.32	0.33	64	66	46.4-95	3	40		
Pentachlorophenol	mg/L	0.0066 U	.5	.5	0.48	0.49	96	97	10-207	9	40		
Pyridine	mg/L	0.015U	.5	.5	0.20	0.20	39	39	10-72.9	8	40		
2,4,6-Tribromophenol (S)	%						90	88	40.5-122				
2-Fluorobiphenyl (S)	%						69	69	53.5-97.				
2-Fluorophenol (S)	%						37	37	13.2-66.				
Nitrobenzene-d5 (S)	%						65	68	49.6-97.				
Phenol-d6 (S)	%						27	27	10-57.3				
Terphenyl-d14 (S)	%						78	78	62.1-109				



**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

QC Batch: PMST/1104      Analysis Method: ASTM D2974-87  
 QC Batch Method: ASTM D2974-87      Analysis Description: Dry Weight/Percent Moisture  
 Associated Lab Samples: 3550290004

SAMPLE DUPLICATE: 343519

Parameter	Units	3549996001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	0.10U	0.10U		10	

SAMPLE DUPLICATE: 343520

Parameter	Units	3550235002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.9	10	11	10	J(D6)

SAMPLE DUPLICATE: 343521

Parameter	Units	3550290004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	85.3	85.3	.05	10	



**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

QC Batch: WETA/15347 Analysis Method: EPA 9012  
 QC Batch Method: EPA 9012 Analysis Description: 9012 Cyanide  
 Associated Lab Samples: 3550290004

METHOD BLANK: 344558 Matrix: Solid  
 Associated Lab Samples: 3550290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/kg	0.12U	0.25	02/23/12 06:24	

LABORATORY CONTROL SAMPLE: 344559

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	1.2	1.2	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 344560 344561

Parameter	Units	3550290004		MS		MSD		% Rec		% Rec Limits	Max	
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec		RPD	RPD
Cyanide	mg/kg	3.2	8.2	8.2	9.1	8.9	71	69	80-120	2	20	J(M1)



**QUALITY CONTROL DATA**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

QC Batch: WETA/15390 Analysis Method: EPA 9066  
 QC Batch Method: EPA 9066 Analysis Description: 9066 Total Phenolics  
 Associated Lab Samples: 3550290004

METHOD BLANK: 345683 Matrix: Solid  
 Associated Lab Samples: 3550290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenolics, Total Recoverable	mg/kg	0.63U	1.3	02/23/12 17:21	

LABORATORY CONTROL SAMPLE: 345684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	mg/kg	66.2	69.1	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 345685 345686

Parameter	Units	3549212001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max	
										RPD	RPD
Phenolics, Total Recoverable	mg/kg	8.0	502	522	517	548	102	103	80-120	6	20

## QUALIFIERS

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

### LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

### BATCH QUALIFIERS

Batch: OEXT/7581

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/4856

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

### ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

1p Sample does not meet method 5035 criteria due to improper sampling. Therefore, sample was analyzed under method 5030. Sample analyzed from soil jar after 48 hours from collection.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

J(D6) Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

J(L0) Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

J(L2) Estimated Value. Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

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.

J(P6) Estimated Value. Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

J(S0) Estimated Value. Surrogate recovery outside laboratory control limits.

J(S1) Estimated Value. Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

J(S5) Estimated Value. Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

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.





**QUALIFIERS**

Project: Annual Priority Pollutant  
Pace Project No.: 3550290

**ANALYTE QUALIFIERS**

N2 The lab does not hold TNI accreditation for this parameter.



**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: Annual Priority Pollutant  
 Pace Project No.: 3550290

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3550290001	Influent East	EPA 608 SF	OEXT/7537	EPA 608	GCSV/5425
3550290002	Influent West	EPA 608 SF	OEXT/7537	EPA 608	GCSV/5425
3550290003	Combined Effluent	EPA 608 SF	OEXT/7537	EPA 608	GCSV/5425
3550290004	Cake	EPA 3546	OEXT/7558	EPA 8081	GCSV/5432
3550290004	Cake	EPA 3510	OEXT/7581	EPA 8081	GCSV/5448
3550290004	Cake	EPA 3546	OEXT/7559	EPA 8082	GCSV/5434
3550290004	Cake	EPA 3510	OEXT/7548	EPA 8151	GCSV/5427
3550290001	Influent East	EPA 200.7	MPRP/7499	EPA 200.7	ICP/5088
3550290002	Influent West	EPA 200.7	MPRP/7499	EPA 200.7	ICP/5088
3550290003	Combined Effluent	EPA 200.7	MPRP/7499	EPA 200.7	ICP/5088
3550290004	Cake	EPA 3050	MPRP/7517	EPA 6010	ICP/5094
3550290004	Cake	EPA 3010	MPRP/7523	EPA 6010	ICP/5099
3550290001	Influent East	EPA 200.8	MPRP/7500	EPA 200.8	ICPM/3202
3550290002	Influent West	EPA 200.8	MPRP/7500	EPA 200.8	ICPM/3202
3550290003	Combined Effluent	EPA 200.8	MPRP/7500	EPA 200.8	ICPM/3202
3550290001	Influent East	EPA 245.1	MERP/2502	EPA 245.1	MERC/2505
3550290002	Influent West	EPA 245.1	MERP/2502	EPA 245.1	MERC/2505
3550290003	Combined Effluent	EPA 245.1	MERP/2502	EPA 245.1	MERC/2505
3550290004	Cake	EPA 7470	MERP/2513	EPA 7470	MERC/2515
3550290004	Cake	EPA 7471	MERP/2510	EPA 7471	MERC/2512
3550290001	Influent East	EPA 625	OEXT/7530	EPA 625	MSSV/3001
3550290002	Influent West	EPA 625	OEXT/7530	EPA 625	MSSV/3001
3550290003	Combined Effluent	EPA 625	OEXT/7530	EPA 625	MSSV/3001
3550290004	Cake	EPA 3546	OEXT/7569	EPA 8270	MSSV/3011
3550290004	Cake	EPA 3510	OEXT/7577	EPA 8270	MSSV/3017
3550290001	Influent East	EPA 624	MSV/4821		
3550290002	Influent West	EPA 624	MSV/4821		
3550290003	Combined Effluent	EPA 624	MSV/4821		
3550290004	Cake	EPA 8260	MSV/4830		
3550290004	Cake	EPA 8260	MSV/4656		
3550290001	Influent East	EPA 1664A	OEXT/7579		
3550290002	Influent West	EPA 1664A	OEXT/7579		
3550290003	Combined Effluent	EPA 1664A	OEXT/7579		
3550290004	Cake	ASTM D2974-87	PMST/1104		
3550290004	Cake	EPA 9012	WETA/15347	EPA 9012	WETA/15358
3550290004	Cake	EPA 9066	WETA/15390	EPA 9066	WETA/15391