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

May 22, 2013

Ms. Jennifer Stirk
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Port Orange, FL 32128

RE: Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Dear Ms. Stirk:
Enclosed are the analytical results for sample(s) received by the laboratory on May 14, 2013. 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,

Jeff Baylor

Jeff Baylor

jeff.baylor@pacelabs.com
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.
Handi Wang, HDR Engineering, Inc.
Ms. Katherine Weitz, HDR Engineering, Inc.

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CERTIFICATIONS

Project:	Tomoka LF Benzene Remediation
Pace Project No.:	3593001

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
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3593001001	**Equipment Blank (5/14/13)**	Water	05/14/13 09:15	05/14/13 16:35
3593001002	**B79-6**	Water	05/14/13 09:52	05/14/13 16:35
3593001003	**B79-6 DUP**	Water	05/14/13 09:52	05/14/13 16:35
3593001004	**B85**	Water	05/14/13 10:42	05/14/13 16:35
3593001005	**B77**	Water	05/14/13 11:32	05/14/13 16:35
3593001006	**B83**	Water	05/14/13 12:29	05/14/13 16:35
3593001007	**B45-1**	Water	05/14/13 13:09	05/14/13 16:35
3593001008	**B45-2**	Water	05/14/13 13:38	05/14/13 16:35
3593001009	**B76-6**	Water	05/14/13 14:33	05/14/13 16:35
3593001010	**B76-1**	Water	05/14/13 15:18	05/14/13 16:35
3593001011	**Trip Blank (5/14/13)**	Water	05/14/13 00:00	05/14/13 16:35

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3593001001	**Equipment Blank (5/14/13)**	EPA 8011	JLR	2	PASI-O
		EPA 6010	JTJ	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	50	PASI-O
		SM 2540C	JNZ	1	PASI-O
		EPA 300.0	IRL	1	PASI-O
		EPA 300.0	IRL	2	PASI-O
		EPA 350.1	SOA	1	PASI-O
3593001002	**B79-6**	EPA 8011	JLR	2	PASI-O
		EPA 6010	JTJ	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	50	PASI-O
		SM 2540C	JNZ	1	PASI-O
		EPA 300.0	IRL	1	PASI-O
		EPA 300.0	IRL	2	PASI-O
		EPA 350.1	SOA	1	PASI-O
3593001003	**B79-6 DUP**	EPA 8011	JLR	2	PASI-O
		EPA 6010	JTJ	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	50	PASI-O
		SM 2540C	JNZ	1	PASI-O
		EPA 300.0	IRL	1	PASI-O
		EPA 300.0	IRL	2	PASI-O
		EPA 350.1	SOA	1	PASI-O
3593001004	**B85**	EPA 8011	JLR	2	PASI-O
		EPA 6010	JTJ	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	PASI-O
		SM 2540C	JNZ	1	PASI-O
		EPA 300.0	IRL	1	PASI-O
		EPA 300.0	IRL	2	PASI-O
		EPA 350.1	SOA	1	PASI-O
3593001005	**B77**	EPA 8011	JLR	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	JTJ	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	PASI-O
		SM 2540C	JNZ	1	PASI-O
		EPA 300.0	IRL	1	PASI-O
		EPA 300.0	IRL	2	PASI-O
		EPA 350.1	SOA	1	PASI-O
3593001006	**B83**	EPA 8011	JLR	2	PASI-O
		EPA 6010	JTJ	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	50	PASI-O
		SM 2540C	JNZ	1	PASI-O
		EPA 300.0	IRL	1	PASI-O
		EPA 300.0	IRL	2	PASI-O
		EPA 350.1	SOA	1	PASI-O
3593001007	**B45-1**	EPA 8011	JLR	2	PASI-O
		EPA 6010	JTJ	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	PASI-O
		SM 2540C	JNZ	1	PASI-O
		EPA 300.0	IRL	1	PASI-O
		EPA 300.0	IRL	2	PASI-O
		EPA 350.1	SOA	1	PASI-O
3593001008	**B45-2**	EPA 8011	JLR	2	PASI-O
		EPA 6010	JTJ	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	PASI-O
		SM 2540C	JNZ	1	PASI-O
		EPA 300.0	IRL	1	PASI-O
		EPA 300.0	IRL	2	PASI-O
		EPA 350.1	SOA	1	PASI-O
3593001009	**B76-6**	EPA 8011	JLR	2	PASI-O
		EPA 6010	JTJ	15	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020	DRS	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	PASI-O
		SM 2540C	JNZ	1	PASI-O
		EPA 300.0	IRL	1	PASI-O
		EPA 300.0	IRL	2	PASI-O
		EPA 350.1	SOA	1	PASI-O
3593001010	**B76-1**	EPA 8011	JLR	2	PASI-O
		EPA 6010	JTJ	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	PASI-O
		SM 2540C	JNZ	1	PASI-O
		EPA 300.0	IRL	1	PASI-O
		EPA 300.0	IRL	2	PASI-O
		EPA 350.1	SOA	1	PASI-O
3593001011	**Trip Blank (5/14/13)**	EPA 8260	SK	52	PASI-O

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: Equipment Blank (5/14/13) **Lab ID: 3593001001** Collected: 05/14/13 09:15 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049U**	ug/L	0.020	0.0049	1	05/15/13 11:12	05/16/13 16:05	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062U**	ug/L	0.0099	0.0062	1	05/15/13 11:12	05/16/13 16:05	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:26	7440-38-2	
Barium	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:26	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 08:26	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 08:26	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:26	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:26	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:26	7440-50-8	
Iron	**20.0U**	ug/L	40.0	20.0	1	05/15/13 12:10	05/16/13 08:26	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:26	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:26	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/15/13 12:10	05/16/13 08:26	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:26	7440-22-4	
Sodium	**0.50U**	mg/L	1.0	0.50	1	05/15/13 12:10	05/16/13 08:26	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:26	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/15/13 12:10	05/16/13 08:26	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 15:51	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 15:51	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/17/13 12:00	05/20/13 09:08	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 01:29	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/19/13 01:29	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/19/13 01:29	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/19/13 01:29	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 01:29	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/19/13 01:29	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/19/13 01:29	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/19/13 01:29	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	95-50-1	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: Equipment Blank (5/14/13) **Lab ID: 3593001001** Collected: 05/14/13 09:15 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/19/13 01:29	110-57-6	J(L2)
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 01:29	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 01:29	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	100-41-4	
Hexachloro-1,3-butadiene	**0.40U**	ug/L	1.0	0.40	1		05/19/13 01:29	87-68-3	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 01:29	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/19/13 01:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 01:29	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/19/13 01:29	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/19/13 01:29	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/19/13 01:29	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:29	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-114		1		05/19/13 01:29	460-00-4	
Dibromofluoromethane (S)	101	%	88-117		1		05/19/13 01:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	93	%	86-125		1		05/19/13 01:29	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		05/19/13 01:29	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**5.0U**	mg/L	5.0	5.0	1		05/17/13 17:15		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.025U**	mg/L	0.050	0.025	1		05/15/13 15:45	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**2.5U**	mg/L	5.0	2.5	1		05/15/13 15:45	16887-00-6	
Sulfate	**2.5U**	mg/L	5.0	2.5	1		05/15/13 15:45	14808-79-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: Equipment Blank (5/14/13) **Lab ID: 3593001001** Collected: 05/14/13 09:15 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020U**	mg/L	0.050	0.020	1		05/15/13 16:34	7664-41-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B79-6 **Lab ID: 3593001002** Collected: 05/14/13 09:52 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.03**	Std. Units			1		05/14/13 09:52		
Field Temperature	**22.01**	deg C			1		05/14/13 09:52		
Field Specific Conductance	**3091**	umhos/cm			1		05/14/13 09:52		
Oxygen, Dissolved	**0.25**	mg/L			1		05/14/13 09:52	7782-44-7	
REDOX	**-104.7**	mV			1		05/14/13 09:52		
Turbidity	**3.66**	NTU			1		05/14/13 09:52		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011	Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0048U**	ug/L	0.020	0.0048	1	05/15/13 11:12	05/16/13 16:20	96-12-8	
1,2-Dibromoethane (EDB)	**0.0061U**	ug/L	0.0098	0.0061	1	05/15/13 11:12	05/16/13 16:20	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010	Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:29	7440-38-2	
Barium	**123**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:29	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 08:29	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 08:29	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:29	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:29	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:29	7440-50-8	
Iron	**38000**	ug/L	40.0	20.0	1	05/15/13 12:10	05/16/13 08:29	7439-89-6	J(M1)
Lead	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:29	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:29	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/15/13 12:10	05/16/13 08:29	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:29	7440-22-4	
Sodium	**284**	mg/L	1.0	0.50	1	05/15/13 12:10	05/16/13 08:29	7440-23-5	J(M1)
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:29	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/15/13 12:10	05/16/13 08:29	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020	Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 16:01	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 16:01	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470	Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/17/13 12:00	05/20/13 09:10	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**9.3 I**	ug/L	10.0	5.0	1		05/19/13 03:06	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:06	107-13-1	
Benzene	**8.0**	ug/L	1.0	0.10	1		05/19/13 03:06	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/19/13 03:06	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:06	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:06	75-15-0	

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

ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B79-6 **Lab ID: 3593001002** Collected: 05/14/13 09:52 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	56-23-5	
Chlorobenzene	**6.0**	ug/L	1.0	0.50	1		05/19/13 03:06	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/19/13 03:06	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/19/13 03:06	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:06	110-57-6	J(L2)
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 03:06	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 03:06	10061-02-6	
Ethylbenzene	**0.66 I**	ug/L	1.0	0.50	1		05/19/13 03:06	100-41-4	
Hexachloro-1,3-butadiene	**0.40U**	ug/L	1.0	0.40	1		05/19/13 03:06	87-68-3	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:06	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/19/13 03:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:06	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/19/13 03:06	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/19/13 03:06	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/19/13 03:06	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:06	75-01-4	
Xylene (Total)	**3.7**	ug/L	1.0	0.50	1		05/19/13 03:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-114		1		05/19/13 03:06	460-00-4	
Dibromofluoromethane (S)	100	%	88-117		1		05/19/13 03:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	93	%	86-125		1		05/19/13 03:06	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		05/19/13 03:06	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1640**	mg/L	20.0	20.0	1		05/17/13 17:15		

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B79-6 **Lab ID: 3593001002** Collected: 05/14/13 09:52 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.12U**	mg/L	0.25	0.12	5		05/15/13 08:29	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**360**	mg/L	25.0	12.5	5		05/15/13 08:29	16887-00-6	
Sulfate	**12.5U**	mg/L	25.0	12.5	5		05/15/13 08:29	14808-79-8	D3
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**42.4**	mg/L	0.25	0.10	5		05/15/13 17:13	7664-41-7	J(M1)

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B79-6 DUP **Lab ID: 3593001003** Collected: 05/14/13 09:52 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.03**	Std. Units			1		05/14/13 09:52		
Field Temperature	**22.01**	deg C			1		05/14/13 09:52		
Field Specific Conductance	**3091**	umhos/cm			1		05/14/13 09:52		
Oxygen, Dissolved	**0.25**	mg/L			1		05/14/13 09:52	7782-44-7	
REDOX	**-104.7**	mV			1		05/14/13 09:52		
Turbidity	**3.66**	NTU			1		05/14/13 09:52		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011	Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0048U**	ug/L	0.020	0.0048	1	05/15/13 11:12	05/16/13 16:35	96-12-8	
1,2-Dibromoethane (EDB)	**0.0061U**	ug/L	0.0098	0.0061	1	05/15/13 11:12	05/16/13 16:35	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010	Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:39	7440-38-2	
Barium	**125**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:39	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 08:39	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 08:39	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:39	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:39	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:39	7440-50-8	
Iron	**40200**	ug/L	40.0	20.0	1	05/15/13 12:10	05/16/13 08:39	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:39	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:39	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/15/13 12:10	05/16/13 08:39	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:39	7440-22-4	
Sodium	**297**	mg/L	1.0	0.50	1	05/15/13 12:10	05/16/13 08:39	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:39	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/15/13 12:10	05/16/13 08:39	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020	Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 16:09	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 16:09	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470	Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/17/13 12:00	05/20/13 09:12	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**9.7 I**	ug/L	10.0	5.0	1		05/19/13 03:30	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:30	107-13-1	
Benzene	**8.5**	ug/L	1.0	0.10	1		05/19/13 03:30	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/19/13 03:30	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:30	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:30	75-15-0	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B79-6 DUP **Lab ID: 3593001003** Collected: 05/14/13 09:52 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	56-23-5	
Chlorobenzene	**6.6**	ug/L	1.0	0.50	1		05/19/13 03:30	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/19/13 03:30	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/19/13 03:30	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:30	110-57-6	J(L2)
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 03:30	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 03:30	10061-02-6	
Ethylbenzene	**0.66 I**	ug/L	1.0	0.50	1		05/19/13 03:30	100-41-4	
Hexachloro-1,3-butadiene	**0.40U**	ug/L	1.0	0.40	1		05/19/13 03:30	87-68-3	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:30	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/19/13 03:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:30	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/19/13 03:30	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	127-18-4	
Toluene	**0.57 I**	ug/L	1.0	0.50	1		05/19/13 03:30	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/19/13 03:30	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/19/13 03:30	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:30	75-01-4	
Xylene (Total)	**4.1**	ug/L	1.0	0.50	1		05/19/13 03:30	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-114		1		05/19/13 03:30	460-00-4	
Dibromofluoromethane (S)	100	%	88-117		1		05/19/13 03:30	1868-53-7	
1,2-Dichloroethane-d4 (S)	93	%	86-125		1		05/19/13 03:30	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		05/19/13 03:30	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1680**	mg/L	20.0	20.0	1		05/17/13 17:15		

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B79-6 DUP **Lab ID: 3593001003** Collected: 05/14/13 09:52 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.50U**	mg/L	1.0	0.50	20		05/15/13 08:41	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**324**	mg/L	100	50.0	20		05/15/13 08:41	16887-00-6	
Sulfate	**50.0U**	mg/L	100	50.0	20		05/15/13 08:41	14808-79-8	D3
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**39.1**	mg/L	0.25	0.10	5		05/15/13 16:39	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B85 **Lab ID: 3593001004** Collected: 05/14/13 10:42 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.08**	Std. Units			1		05/14/13 10:42		
Field Temperature	**21.98**	deg C			1		05/14/13 10:42		
Field Specific Conductance	**1874**	umhos/cm			1		05/14/13 10:42		
Oxygen, Dissolved	**0.25**	mg/L			1		05/14/13 10:42	7782-44-7	
REDOX	**-89.9**	mV			1		05/14/13 10:42		
Turbidity	**0.29**	NTU			1		05/14/13 10:42		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011	Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0050U**	ug/L	0.020	0.0050	1	05/15/13 11:12	05/16/13 16:51	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063U**	ug/L	0.010	0.0063	1	05/15/13 11:12	05/16/13 16:51	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010	Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:50	7440-38-2	
Barium	**56.1**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:50	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 08:50	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 08:50	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:50	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:50	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:50	7440-50-8	
Iron	**7980**	ug/L	40.0	20.0	1	05/15/13 12:10	05/16/13 08:50	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:50	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:50	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/15/13 12:10	05/16/13 08:50	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:50	7440-22-4	
Sodium	**116**	mg/L	1.0	0.50	1	05/15/13 12:10	05/16/13 08:50	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:50	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/15/13 12:10	05/16/13 08:50	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020	Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 16:11	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 16:11	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470	Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/17/13 12:00	05/20/13 09:14	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:55	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:55	107-13-1	
Benzene	**0.26 I**	ug/L	1.0	0.10	1		05/19/13 03:55	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/19/13 03:55	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:55	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:55	75-15-0	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B85 **Lab ID: 3593001004** Collected: 05/14/13 10:42 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	56-23-5	
Chlorobenzene	**2.8**	ug/L	1.0	0.50	1		05/19/13 03:55	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/19/13 03:55	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/19/13 03:55	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	95-50-1	
1,4-Dichlorobenzene	**0.75 I**	ug/L	1.0	0.50	1		05/19/13 03:55	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:55	110-57-6	J(L2)
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 03:55	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 03:55	10061-02-6	
Ethylbenzene	**0.61 I**	ug/L	1.0	0.50	1		05/19/13 03:55	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:55	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/19/13 03:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 03:55	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/19/13 03:55	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/19/13 03:55	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/19/13 03:55	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/19/13 03:55	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-114		1		05/19/13 03:55	460-00-4	
Dibromofluoromethane (S)	99	%	88-117		1		05/19/13 03:55	1868-53-7	
1,2-Dichloroethane-d4 (S)	94	%	86-125		1		05/19/13 03:55	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		05/19/13 03:55	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1060**	mg/L	10.0	10.0	1		05/17/13 17:15		

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B85 **Lab ID: 3593001004** Collected: 05/14/13 10:42 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.12U**	mg/L	0.25	0.12	5		05/15/13 08:53	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**148**	mg/L	25.0	12.5	5		05/15/13 08:53	16887-00-6	
Sulfate	**12.5U**	mg/L	25.0	12.5	5		05/15/13 08:53	14808-79-8	D3
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**13.0**	mg/L	0.25	0.10	5		05/15/13 16:40	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B77 **Lab ID: 3593001005** Collected: 05/14/13 11:32 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.91**	Std. Units			1		05/14/13 11:32		
Field Temperature	**22.09**	deg C			1		05/14/13 11:32		
Field Specific Conductance	**1947**	umhos/cm			1		05/14/13 11:32		
Oxygen, Dissolved	**0.21**	mg/L			1		05/14/13 11:32	7782-44-7	
REDOX	**-133.2**	mV			1		05/14/13 11:32		
Turbidity	**2.89**	NTU			1		05/14/13 11:32		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0048U**	ug/L	0.020	0.0048	1	05/15/13 11:12	05/16/13 17:21	96-12-8	
1,2-Dibromoethane (EDB)	**0.0061U**	ug/L	0.0099	0.0061	1	05/15/13 11:12	05/16/13 17:21	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:53	7440-38-2	
Barium	**108**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:53	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 08:53	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 08:53	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:53	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:53	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:53	7440-50-8	
Iron	**36100**	ug/L	40.0	20.0	1	05/15/13 12:10	05/16/13 08:53	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:53	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:53	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/15/13 12:10	05/16/13 08:53	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:53	7440-22-4	
Sodium	**134**	mg/L	1.0	0.50	1	05/15/13 12:10	05/16/13 08:53	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:53	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/15/13 12:10	05/16/13 08:53	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 16:14	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 16:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/17/13 12:00	05/20/13 09:16	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 04:19	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/19/13 04:19	107-13-1	
Benzene	**5.7**	ug/L	1.0	0.10	1		05/19/13 04:19	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/19/13 04:19	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 04:19	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/19/13 04:19	75-15-0	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B77 **Lab ID: 3593001005** Collected: 05/14/13 11:32 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	56-23-5	
Chlorobenzene	**1.8**	ug/L	1.0	0.50	1		05/19/13 04:19	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/19/13 04:19	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/19/13 04:19	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/19/13 04:19	110-57-6	J(L2)
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 04:19	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 04:19	10061-02-6	
Ethylbenzene	**0.91 I**	ug/L	1.0	0.50	1		05/19/13 04:19	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 04:19	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/19/13 04:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 04:19	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/19/13 04:19	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	127-18-4	
Toluene	**0.77 I**	ug/L	1.0	0.50	1		05/19/13 04:19	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/19/13 04:19	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/19/13 04:19	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 04:19	75-01-4	
Xylene (Total)	**4.3**	ug/L	1.0	0.50	1		05/19/13 04:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-114		1		05/19/13 04:19	460-00-4	
Dibromofluoromethane (S)	99	%	88-117		1		05/19/13 04:19	1868-53-7	
1,2-Dichloroethane-d4 (S)	93	%	86-125		1		05/19/13 04:19	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		05/19/13 04:19	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1260**	mg/L	10.0	10.0	1		05/17/13 17:16		

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B77 **Lab ID: 3593001005** Collected: 05/14/13 11:32 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.12U**	mg/L	0.25	0.12	5		05/15/13 09:30	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**267**	mg/L	25.0	12.5	5		05/15/13 09:30	16887-00-6	L
Sulfate	**12.5U**	mg/L	25.0	12.5	5		05/15/13 09:30	14808-79-8	D3
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.059**	mg/L	0.050	0.020	1		05/15/13 17:18	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B83 **Lab ID: 3593001006** Collected: 05/14/13 12:29 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.74**	Std. Units			1		05/14/13 12:29		
Field Temperature	**22.26**	deg C			1		05/14/13 12:29		
Field Specific Conductance	**632**	umhos/cm			1		05/14/13 12:29		
Oxygen, Dissolved	**0.29**	mg/L			1		05/14/13 12:29	7782-44-7	
REDOX	**-132.9**	mV			1		05/14/13 12:29		
Turbidity	**2.53**	NTU			1		05/14/13 12:29		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0048U**	ug/L	0.020	0.0048	1	05/15/13 11:12	05/16/13 17:36	96-12-8	
1,2-Dibromoethane (EDB)	**0.0061U**	ug/L	0.0099	0.0061	1	05/15/13 11:12	05/16/13 17:36	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:57	7440-38-2	
Barium	**19.4**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:57	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 08:57	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 08:57	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:57	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:57	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:57	7440-50-8	
Iron	**83.2**	ug/L	40.0	20.0	1	05/15/13 12:10	05/16/13 08:57	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:57	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:57	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/15/13 12:10	05/16/13 08:57	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 08:57	7440-22-4	
Sodium	**19.7**	mg/L	1.0	0.50	1	05/15/13 12:10	05/16/13 08:57	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 08:57	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/15/13 12:10	05/16/13 08:57	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 16:16	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 16:16	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/17/13 12:00	05/20/13 09:18	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:08	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:08	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/19/13 05:08	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/19/13 05:08	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:08	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:08	75-15-0	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B83 **Lab ID: 3593001006** Collected: 05/14/13 12:29 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/19/13 05:08	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/19/13 05:08	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:08	110-57-6	J(L2)
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 05:08	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 05:08	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	100-41-4	
Hexachloro-1,3-butadiene	**0.40U**	ug/L	1.0	0.40	1		05/19/13 05:08	87-68-3	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:08	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/19/13 05:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:08	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/19/13 05:08	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/19/13 05:08	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/19/13 05:08	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:08	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-114		1		05/19/13 05:08	460-00-4	
Dibromofluoromethane (S)	99	%	88-117		1		05/19/13 05:08	1868-53-7	
1,2-Dichloroethane-d4 (S)	92	%	86-125		1		05/19/13 05:08	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		05/19/13 05:08	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**369**	mg/L	5.0	5.0	1		05/17/13 17:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B83 **Lab ID: 3593001006** Collected: 05/14/13 12:29 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.025U**	mg/L	0.050	0.025	1		05/15/13 10:06	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**21.8**	mg/L	5.0	2.5	1		05/15/13 10:06	16887-00-6	
Sulfate	**2.5U**	mg/L	5.0	2.5	1		05/15/13 10:06	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.29**	mg/L	0.050	0.020	1		05/15/13 17:19	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B45-1 **Lab ID: 3593001007** Collected: 05/14/13 13:09 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.79**	Std. Units			1		05/14/13 13:09		
Field Temperature	**21.85**	deg C			1		05/14/13 13:09		
Field Specific Conductance	**1815**	umhos/cm			1		05/14/13 13:09		
Oxygen, Dissolved	**0.20**	mg/L			1		05/14/13 13:09	7782-44-7	
REDOX	**-129.8**	mV			1		05/14/13 13:09		
Turbidity	**8.20**	NTU			1		05/14/13 13:09		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011	Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0049U**	ug/L	0.020	0.0049	1	05/15/13 11:12	05/16/13 17:51	96-12-8	
1,2-Dibromoethane (EDB)	**0.0061U**	ug/L	0.0099	0.0061	1	05/15/13 11:12	05/16/13 17:51	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010	Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:01	7440-38-2	
Barium	**135**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:01	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 09:01	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 09:01	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 09:01	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:01	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 09:01	7440-50-8	
Iron	**47700**	ug/L	40.0	20.0	1	05/15/13 12:10	05/16/13 09:01	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:01	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 09:01	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/15/13 12:10	05/16/13 09:01	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 09:01	7440-22-4	
Sodium	**202**	mg/L	1.0	0.50	1	05/15/13 12:10	05/16/13 09:01	7440-23-5	
Vanadium	**5.8 I**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:01	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/15/13 12:10	05/16/13 09:01	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020	Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 16:19	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 16:19	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470	Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/17/13 12:00	05/20/13 09:20	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:32	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:32	107-13-1	
Benzene	**10.7**	ug/L	1.0	0.10	1		05/19/13 05:32	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/19/13 05:32	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:32	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:32	75-15-0	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B45-1 **Lab ID: 3593001007** Collected: 05/14/13 13:09 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	56-23-5	
Chlorobenzene	**5.4**	ug/L	1.0	0.50	1		05/19/13 05:32	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/19/13 05:32	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/19/13 05:32	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:32	110-57-6	J(L2)
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 05:32	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 05:32	10061-02-6	
Ethylbenzene	**0.75 I**	ug/L	1.0	0.50	1		05/19/13 05:32	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:32	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/19/13 05:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:32	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/19/13 05:32	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	127-18-4	
Toluene	**0.61 I**	ug/L	1.0	0.50	1		05/19/13 05:32	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/19/13 05:32	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/19/13 05:32	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:32	75-01-4	
Xylene (Total)	**4.0**	ug/L	1.0	0.50	1		05/19/13 05:32	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-114		1		05/19/13 05:32	460-00-4	
Dibromofluoromethane (S)	101	%	88-117		1		05/19/13 05:32	1868-53-7	
1,2-Dichloroethane-d4 (S)	94	%	86-125		1		05/19/13 05:32	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		05/19/13 05:32	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1070**	mg/L	10.0	10.0	1		05/17/13 17:16		

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B45-1 **Lab ID: 3593001007** Collected: 05/14/13 13:09 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.12U**	mg/L	0.25	0.12	5		05/15/13 10:18	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**214**	mg/L	25.0	12.5	5		05/15/13 10:18	16887-00-6	
Sulfate	**12.5U**	mg/L	25.0	12.5	5		05/15/13 10:18	14808-79-8	D3
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.021 I**	mg/L	0.050	0.020	1		05/15/13 17:20	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B45-2 **Lab ID: 3593001008** Collected: 05/14/13 13:38 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.20**	Std. Units			1		05/14/13 13:38		
Field Temperature	**21.45**	deg C			1		05/14/13 13:38		
Field Specific Conductance	**1065**	umhos/cm			1		05/14/13 13:38		
Oxygen, Dissolved	**0.42**	mg/L			1		05/14/13 13:38	7782-44-7	
REDOX	**64.5**	mV			1		05/14/13 13:38		
Turbidity	**6.05**	NTU			1		05/14/13 13:38		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011	Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0049U**	ug/L	0.020	0.0049	1	05/15/13 11:12	05/16/13 18:06	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062U**	ug/L	0.010	0.0062	1	05/15/13 11:12	05/16/13 18:06	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010	Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:04	7440-38-2	
Barium	**97.8**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:04	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 09:04	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 09:04	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 09:04	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:04	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 09:04	7440-50-8	
Iron	**2670**	ug/L	40.0	20.0	1	05/15/13 12:10	05/16/13 09:04	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:04	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 09:04	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/15/13 12:10	05/16/13 09:04	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 09:04	7440-22-4	
Sodium	**53.6**	mg/L	1.0	0.50	1	05/15/13 12:10	05/16/13 09:04	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:04	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/15/13 12:10	05/16/13 09:04	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020	Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 16:26	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 16:26	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470	Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/17/13 12:00	05/20/13 09:27	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:57	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:57	107-13-1	
Benzene	**0.17 I**	ug/L	1.0	0.10	1		05/19/13 05:57	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/19/13 05:57	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:57	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:57	75-15-0	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B45-2 **Lab ID: 3593001008** Collected: 05/14/13 13:38 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/19/13 05:57	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/19/13 05:57	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:57	110-57-6	J(L2)
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 05:57	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 05:57	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:57	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/19/13 05:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 05:57	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/19/13 05:57	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/19/13 05:57	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/19/13 05:57	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/19/13 05:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-114		1		05/19/13 05:57	460-00-4	
Dibromofluoromethane (S)	99	%	88-117		1		05/19/13 05:57	1868-53-7	
1,2-Dichloroethane-d4 (S)	92	%	86-125		1		05/19/13 05:57	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		05/19/13 05:57	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**724**	mg/L	5.0	5.0	1		05/17/13 17:16		

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B45-2 **Lab ID: 3593001008** Collected: 05/14/13 13:38 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**39.1**	mg/L	0.50	0.25	10		05/15/13 15:09	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**114**	mg/L	50.0	25.0	10		05/15/13 15:09	16887-00-6	
Sulfate	**26.4**	mg/L	5.0	2.5	1		05/15/13 10:54	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020U**	mg/L	0.050	0.020	1		05/15/13 16:46	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B76-6 **Lab ID: 3593001009** Collected: 05/14/13 14:33 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.93**	Std. Units			1		05/14/13 14:33		
Field Temperature	**22.51**	deg C			1		05/14/13 14:33		
Field Specific Conductance	**1947**	umhos/cm			1		05/14/13 14:33		
Oxygen, Dissolved	**0.30**	mg/L			1		05/14/13 14:33	7782-44-7	
REDOX	**-96.9**	mV			1		05/14/13 14:33		
Turbidity	**4.29**	NTU			1		05/14/13 14:33		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011	Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	**0.0048U**	ug/L	0.020	0.0048	1	05/15/13 11:13	05/16/13 18:52	96-12-8	
1,2-Dibromoethane (EDB)	**0.0061U**	ug/L	0.0099	0.0061	1	05/15/13 11:13	05/16/13 18:52	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010	Preparation Method: EPA 3010							
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:08	7440-38-2	
Barium	**121**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:08	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 09:08	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 09:08	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 09:08	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:08	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 09:08	7440-50-8	
Iron	**34000**	ug/L	40.0	20.0	1	05/15/13 12:10	05/16/13 09:08	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:08	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 09:08	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/15/13 12:10	05/16/13 09:08	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 09:08	7440-22-4	
Sodium	**119**	mg/L	1.0	0.50	1	05/15/13 12:10	05/16/13 09:08	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:08	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/15/13 12:10	05/16/13 09:08	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020	Preparation Method: EPA 3010							
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 16:29	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 16:29	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470	Preparation Method: EPA 7470							
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/17/13 12:00	05/20/13 09:29	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0 I**	ug/L	10.0	5.0	1		05/19/13 06:21	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/19/13 06:21	107-13-1	
Benzene	**11.4**	ug/L	1.0	0.10	1		05/19/13 06:21	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/19/13 06:21	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 06:21	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/19/13 06:21	75-15-0	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B76-6 **Lab ID: 3593001009** Collected: 05/14/13 14:33 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	56-23-5	
Chlorobenzene	**2.7**	ug/L	1.0	0.50	1		05/19/13 06:21	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/19/13 06:21	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/19/13 06:21	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/19/13 06:21	110-57-6	J(L2)
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 06:21	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 06:21	10061-02-6	
Ethylbenzene	**0.84 I**	ug/L	1.0	0.50	1		05/19/13 06:21	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 06:21	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/19/13 06:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 06:21	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/19/13 06:21	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/19/13 06:21	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/19/13 06:21	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:21	75-01-4	
Xylene (Total)	**2.8**	ug/L	1.0	0.50	1		05/19/13 06:21	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-114		1		05/19/13 06:21	460-00-4	
Dibromofluoromethane (S)	101	%	88-117		1		05/19/13 06:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	94	%	86-125		1		05/19/13 06:21	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		05/19/13 06:21	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1190**	mg/L	10.0	10.0	1		05/17/13 17:17		

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B76-6 **Lab ID: 3593001009** Collected: 05/14/13 14:33 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.12U**	mg/L	0.25	0.12	5		05/15/13 11:07	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**251**	mg/L	25.0	12.5	5		05/15/13 11:07	16887-00-6	
Sulfate	**12.5U**	mg/L	25.0	12.5	5		05/15/13 11:07	14808-79-8	D3
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.057**	mg/L	0.050	0.020	1		05/15/13 16:47	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B76-1 **Lab ID: 3593001010** Collected: 05/14/13 15:18 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.62**	Std. Units			1		05/14/13 15:18		
Field Temperature	**22.84**	deg C			1		05/14/13 15:18		
Field Specific Conductance	**1849**	umhos/cm			1		05/14/13 15:18		
Oxygen, Dissolved	**0.20**	mg/L			1		05/14/13 15:18	7782-44-7	
REDOX	**-79.5**	mV			1		05/14/13 15:18		
Turbidity	**6.36**	NTU			1		05/14/13 15:18		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0048U**	ug/L	0.020	0.0048	1	05/15/13 11:13	05/16/13 19:37	96-12-8	
1,2-Dibromoethane (EDB)	**0.0061U**	ug/L	0.0098	0.0061	1	05/15/13 11:13	05/16/13 19:37	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:11	7440-38-2	
Barium	**220**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:11	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 09:11	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 09:11	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 09:11	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:11	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 09:11	7440-50-8	
Iron	**60600**	ug/L	40.0	20.0	1	05/15/13 12:10	05/16/13 09:11	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:11	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 09:11	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/15/13 12:10	05/16/13 09:11	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/15/13 12:10	05/16/13 09:11	7440-22-4	
Sodium	**188**	mg/L	1.0	0.50	1	05/15/13 12:10	05/16/13 09:11	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/15/13 12:10	05/16/13 09:11	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/15/13 12:10	05/16/13 09:11	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 16:31	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/15/13 12:10	05/16/13 16:31	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/17/13 12:00	05/20/13 09:31	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 06:45	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/19/13 06:45	107-13-1	
Benzene	**10.5**	ug/L	1.0	0.10	1		05/19/13 06:45	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/19/13 06:45	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 06:45	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/19/13 06:45	75-15-0	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B76-1 **Lab ID: 3593001010** Collected: 05/14/13 15:18 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	56-23-5	
Chlorobenzene	**2.6**	ug/L	1.0	0.50	1		05/19/13 06:45	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/19/13 06:45	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/19/13 06:45	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/19/13 06:45	110-57-6	J(L2)
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 06:45	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 06:45	10061-02-6	
Ethylbenzene	**1.1**	ug/L	1.0	0.50	1		05/19/13 06:45	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 06:45	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/19/13 06:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 06:45	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/19/13 06:45	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/19/13 06:45	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/19/13 06:45	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 06:45	75-01-4	
Xylene (Total)	**3.6**	ug/L	1.0	0.50	1		05/19/13 06:45	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-114		1		05/19/13 06:45	460-00-4	
Dibromofluoromethane (S)	100	%	88-117		1		05/19/13 06:45	1868-53-7	
1,2-Dichloroethane-d4 (S)	93	%	86-125		1		05/19/13 06:45	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		05/19/13 06:45	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1170**	mg/L	10.0	10.0	1		05/17/13 17:17		

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: B76-1 **Lab ID: 3593001010** Collected: 05/14/13 15:18 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.12U**	mg/L	0.25	0.12	5		05/15/13 11:19	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**332**	mg/L	25.0	12.5	5		05/15/13 11:19	16887-00-6	
Sulfate	**12.5U**	mg/L	25.0	12.5	5		05/15/13 11:19	14808-79-8	D3
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.046 I**	mg/L	0.050	0.020	1		05/15/13 17:21	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: Trip Blank (5/14/13) **Lab ID: 3593001011** Collected: 05/14/13 00:00 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 01:53	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/19/13 01:53	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/19/13 01:53	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/19/13 01:53	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 01:53	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/19/13 01:53	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/19/13 01:53	74-87-3	
1,2-Dibromo-3-chloropropane	**1.0U**	ug/L	2.0	1.0	1		05/19/13 01:53	96-12-8	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/19/13 01:53	124-48-1	
1,2-Dibromoethane (EDB)	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	106-93-4	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/19/13 01:53	110-57-6	J(L2)
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 01:53	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/19/13 01:53	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	100-41-4	
Hexachloro-1,3-butadiene	**0.40U**	ug/L	1.0	0.40	1		05/19/13 01:53	87-68-3	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/19/13 01:53	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/19/13 01:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/19/13 01:53	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/19/13 01:53	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/19/13 01:53	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/19/13 01:53	108-05-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Sample: Trip Blank (5/14/13) **Lab ID: 3593001011** Collected: 05/14/13 00:00 Received: 05/14/13 16:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/19/13 01:53	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-114		1		05/19/13 01:53	460-00-4	
Dibromofluoromethane (S)	99	%	88-117		1		05/19/13 01:53	1868-53-7	
1,2-Dichloroethane-d4 (S)	92	%	86-125		1		05/19/13 01:53	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		05/19/13 01:53	2037-26-5	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

QC Batch: MERP/3790 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004, 3593001005, 3593001006, 3593001007, 3593001008, 3593001009, 3593001010

METHOD BLANK: 630938 Matrix: Water
Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004, 3593001005, 3593001006, 3593001007, 3593001008, 3593001009, 3593001010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	05/20/13 08:35	

LABORATORY CONTROL SAMPLE: 630939

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 630940 630941

Parameter	Units	3592907002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.10	2	2	2.0	2.0	100	101	80-120	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

QC Batch: MPRP/13325 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004, 3593001005, 3593001006, 3593001007, 3593001008, 3593001009, 3593001010

METHOD BLANK: 628469 Matrix: Water
Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004, 3593001005, 3593001006, 3593001007, 3593001008, 3593001009, 3593001010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	05/16/13 08:19	
Barium	ug/L	5.0U	10.0	05/16/13 08:19	
Beryllium	ug/L	0.50U	1.0	05/16/13 08:19	
Cadmium	ug/L	0.50U	1.0	05/16/13 08:19	
Chromium	ug/L	2.5U	5.0	05/16/13 08:19	
Cobalt	ug/L	5.0U	10.0	05/16/13 08:19	
Copper	ug/L	2.5U	5.0	05/16/13 08:19	
Iron	ug/L	20.0U	40.0	05/16/13 08:19	
Lead	ug/L	5.0U	10.0	05/16/13 08:19	
Nickel	ug/L	2.5U	5.0	05/16/13 08:19	
Selenium	ug/L	7.5U	15.0	05/16/13 08:19	
Silver	ug/L	2.5U	5.0	05/16/13 08:19	
Sodium	mg/L	0.50U	1.0	05/16/13 08:19	
Vanadium	ug/L	5.0U	10.0	05/16/13 08:19	
Zinc	ug/L	10.0U	20.0	05/16/13 08:19	

LABORATORY CONTROL SAMPLE: 628470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	271	109	80-120	
Barium	ug/L	250	265	106	80-120	
Beryllium	ug/L	25	27.1	108	80-120	
Cadmium	ug/L	25	28.0	112	80-120	
Chromium	ug/L	250	272	109	80-120	
Cobalt	ug/L	250	279	112	80-120	
Copper	ug/L	250	264	106	80-120	
Iron	ug/L	2500	2820	113	80-120	
Lead	ug/L	250	283	113	80-120	
Nickel	ug/L	250	275	110	80-120	
Selenium	ug/L	250	281	112	80-120	
Silver	ug/L	25	27.8	111	80-120	
Sodium	mg/L	12.5	13.8	110	80-120	
Vanadium	ug/L	250	264	106	80-120	
Zinc	ug/L	1250	1350	108	80-120	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 628471 628472

Parameter	Units	3593001002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	5.0U	250	250	278	252	111	100	75-125	10	20	
Barium	ug/L	123	250	250	385	364	105	96	75-125	6	20	
Beryllium	ug/L	0.50U	25	25	26.6	24.1	106	97	75-125	10	20	
Cadmium	ug/L	0.50U	25	25	26.8	24.2	107	97	75-125	10	20	
Chromium	ug/L	2.5U	250	250	269	243	107	97	75-125	10	20	
Cobalt	ug/L	5.0U	250	250	278	254	110	100	75-125	9	20	
Copper	ug/L	2.5U	250	250	265	250	106	100	75-125	6	20	
Iron	ug/L	38000	2500	2500	41500	39600	142	67	75-125	5	20	J(M1)
Lead	ug/L	5.0U	250	250	270	246	108	98	75-125	9	20	
Nickel	ug/L	2.5U	250	250	267	244	106	97	75-125	9	20	
Selenium	ug/L	7.5U	250	250	272	249	108	99	75-125	9	20	
Silver	ug/L	2.5U	25	25	28.4	26.3	114	105	75-125	8	20	
Sodium	mg/L	284	12.5	12.5	302	288	142	28	75-125	5	20	J(M1)
Vanadium	ug/L	5.0U	250	250	270	243	107	96	75-125	11	20	
Zinc	ug/L	10.0U	1250	1250	1360	1220	109	98	75-125	11	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

QC Batch: MPRP/13326 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004, 3593001005, 3593001006, 3593001007, 3593001008, 3593001009, 3593001010

METHOD BLANK: 628473 Matrix: Water
Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004, 3593001005, 3593001006, 3593001007, 3593001008, 3593001009, 3593001010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	05/16/13 15:46	
Thallium	ug/L	0.50U	1.0	05/16/13 15:46	

LABORATORY CONTROL SAMPLE: 628474

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	52.3	105	80-120	
Thallium	ug/L	50	50.6	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 628475 628476

Parameter	Units	3593001007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50U	50	50	48.7	49.5	97	99	70-130	2	20	
Thallium	ug/L	0.50U	50	50	54.0	55.1	108	110	70-130	2	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

QC Batch: MSV/8644 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004, 3593001005, 3593001006, 3593001007, 3593001008, 3593001009, 3593001010, 3593001011

METHOD BLANK: 631994 Matrix: Water
Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004, 3593001005, 3593001006, 3593001007, 3593001008, 3593001009, 3593001010, 3593001011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	05/19/13 01:04	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	05/19/13 01:04	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	05/19/13 01:04	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	05/19/13 01:04	
1,1-Dichloroethane	ug/L	0.50U	1.0	05/19/13 01:04	
1,1-Dichloroethene	ug/L	0.50U	1.0	05/19/13 01:04	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	05/19/13 01:04	
1,2-Dibromo-3-chloropropane	ug/L	1.0U	2.0	05/19/13 01:04	
1,2-Dibromoethane (EDB)	ug/L	0.50U	1.0	05/19/13 01:04	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	05/19/13 01:04	
1,2-Dichloroethane	ug/L	0.50U	1.0	05/19/13 01:04	
1,2-Dichloropropane	ug/L	0.50U	1.0	05/19/13 01:04	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	05/19/13 01:04	
2-Butanone (MEK)	ug/L	5.0U	10.0	05/19/13 01:04	
2-Hexanone	ug/L	5.0U	10.0	05/19/13 01:04	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	05/19/13 01:04	
Acetone	ug/L	5.0U	10.0	05/19/13 01:04	
Acrylonitrile	ug/L	5.0U	10.0	05/19/13 01:04	
Benzene	ug/L	0.10U	1.0	05/19/13 01:04	
Bromochloromethane	ug/L	0.50U	1.0	05/19/13 01:04	
Bromodichloromethane	ug/L	0.27U	0.60	05/19/13 01:04	
Bromoform	ug/L	0.50U	1.0	05/19/13 01:04	
Bromomethane	ug/L	0.50U	1.0	05/19/13 01:04	
Carbon disulfide	ug/L	5.0U	10.0	05/19/13 01:04	
Carbon tetrachloride	ug/L	0.50U	1.0	05/19/13 01:04	
Chlorobenzene	ug/L	0.50U	1.0	05/19/13 01:04	
Chloroethane	ug/L	0.50U	1.0	05/19/13 01:04	
Chloroform	ug/L	0.50U	1.0	05/19/13 01:04	
Chloromethane	ug/L	0.62U	1.0	05/19/13 01:04	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	05/19/13 01:04	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	05/19/13 01:04	
Dibromochloromethane	ug/L	0.26U	0.50	05/19/13 01:04	
Dibromomethane	ug/L	0.50U	1.0	05/19/13 01:04	
Ethylbenzene	ug/L	0.50U	1.0	05/19/13 01:04	
Hexachloro-1,3-butadiene	ug/L	0.40U	1.0	05/19/13 01:04	
Iodomethane	ug/L	0.50U	1.0	05/19/13 01:04	
Methylene Chloride	ug/L	2.5U	5.0	05/19/13 01:04	
Styrene	ug/L	0.50U	1.0	05/19/13 01:04	
Tetrachloroethene	ug/L	0.50U	1.0	05/19/13 01:04	
Toluene	ug/L	0.50U	1.0	05/19/13 01:04	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	05/19/13 01:04	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

METHOD BLANK: 631994 Matrix: Water

Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004, 3593001005, 3593001006, 3593001007, 3593001008, 3593001009, 3593001010, 3593001011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	05/19/13 01:04	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	05/19/13 01:04	
Trichloroethene	ug/L	0.50U	1.0	05/19/13 01:04	
Trichlorofluoromethane	ug/L	0.50U	1.0	05/19/13 01:04	
Vinyl acetate	ug/L	1.0U	2.0	05/19/13 01:04	
Vinyl chloride	ug/L	0.50U	1.0	05/19/13 01:04	
Xylene (Total)	ug/L	0.50U	1.0	05/19/13 01:04	
1,2-Dichloroethane-d4 (S)	%	94	86-125	05/19/13 01:04	
4-Bromofluorobenzene (S)	%	98	70-114	05/19/13 01:04	
Dibromofluoromethane (S)	%	99	88-117	05/19/13 01:04	
Toluene-d8 (S)	%	100	87-113	05/19/13 01:04	

LABORATORY CONTROL SAMPLE: 631995

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.7	89	70-130	
1,1,1-Trichloroethane	ug/L	20	19.2	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.9	94	70-130	
1,1,2-Trichloroethane	ug/L	20	19.2	96	70-130	
1,1-Dichloroethane	ug/L	20	19.7	98	70-130	
1,1-Dichloroethene	ug/L	20	19.7	99	70-130	
1,2,3-Trichloropropane	ug/L	20	19.4	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	17.1	85	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	19.4	97	70-130	
1,2-Dichlorobenzene	ug/L	20	19.0	95	70-130	
1,2-Dichloroethane	ug/L	20	18.3	91	70-130	
1,2-Dichloropropane	ug/L	20	19.4	97	70-130	
1,4-Dichlorobenzene	ug/L	20	19.2	96	70-130	
2-Butanone (MEK)	ug/L	20	21.6	108	55-167	
2-Hexanone	ug/L	20	23.1	116	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	21.6	108	70-130	
Acetone	ug/L	20	23.7	119	40-150	
Acrylonitrile	ug/L	200	222	111	70-130	
Benzene	ug/L	20	19.7	98	70-130	
Bromochloromethane	ug/L	20	20.0	100	70-130	
Bromodichloromethane	ug/L	20	18.7	94	70-130	
Bromoform	ug/L	20	16.5	83	68-130	
Bromomethane	ug/L	20	19.2	96	38-179	
Carbon disulfide	ug/L	20	19.0	95	51-155	
Carbon tetrachloride	ug/L	20	18.5	93	70-130	
Chlorobenzene	ug/L	20	20.0	100	70-130	
Chloroethane	ug/L	20	19.8	99	59-149	
Chloroform	ug/L	20	18.5	93	70-130	
Chloromethane	ug/L	20	22.1	110	68-130	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

LABORATORY CONTROL SAMPLE: 631995

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	20	18.7	93	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.1	91	70-130	
Dibromochloromethane	ug/L	20	16.8	84	70-130	
Dibromomethane	ug/L	20	18.6	93	70-130	
Ethylbenzene	ug/L	20	18.9	94	70-130	
Hexachloro-1,3-butadiene	ug/L	20	16.3	81	70-130	
Iodomethane	ug/L	20	17.0	85	43-160	
Methylene Chloride	ug/L	20	18.6	93	70-130	
Styrene	ug/L	20	18.7	93	70-130	
Tetrachloroethene	ug/L	20	19.3	97	66-133	
Toluene	ug/L	20	19.1	96	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.1	101	70-130	
trans-1,3-Dichloropropene	ug/L	20	17.6	88	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	12.3	61	65-130	J(L0)
Trichloroethene	ug/L	20	18.7	94	70-130	
Trichlorofluoromethane	ug/L	20	20.1	101	70-131	
Vinyl acetate	ug/L	20	19.6	98	69-135	
Vinyl chloride	ug/L	20	20.7	103	69-140	
Xylene (Total)	ug/L	60	56.5	94	70-130	
1,2-Dichloroethane-d4 (S)	%			97	86-125	
4-Bromofluorobenzene (S)	%			98	70-114	
Dibromofluoromethane (S)	%			100	88-117	
Toluene-d8 (S)	%			101	87-113	

MATRIX SPIKE SAMPLE: 632022

Parameter	Units	3593001006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	18.1	90	39-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	20.8	104	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	18.9	95	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	19.5	98	50-130	
1,1-Dichloroethane	ug/L	0.50U	20	20.5	102	54-137	
1,1-Dichloroethene	ug/L	0.50U	20	20.0	100	45-155	
1,2,3-Trichloropropane	ug/L	0.36U	20	19.1	95	31-132	
1,2-Dibromo-3-chloropropane	ug/L	1.0U	20	17.1	85	37-130	
1,2-Dibromoethane (EDB)	ug/L	0.50U	20	19.2	96	51-132	
1,2-Dichlorobenzene	ug/L	0.50U	20	18.5	93	43-130	
1,2-Dichloroethane	ug/L	0.50U	20	18.5	93	54-130	
1,2-Dichloropropane	ug/L	0.50U	20	19.8	99	53-130	
1,4-Dichlorobenzene	ug/L	0.50U	20	19.1	96	38-130	
2-Butanone (MEK)	ug/L	5.0U	20	21.4	107	48-138	
2-Hexanone	ug/L	5.0U	20	22.9	114	38-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	20	21.0	105	28-143	
Acetone	ug/L	5.0U	20	26.6	121	20-140	
Acrylonitrile	ug/L	5.0U	200	203	102	46-130	
Benzene	ug/L	0.10U	20	20.8	104	53-132	
Bromochloromethane	ug/L	0.50U	20	20.0	100	54-132	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

MATRIX SPIKE SAMPLE: 632022

Parameter	Units	3593001006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	0.27U	20	18.9	95	46-130	
Bromoform	ug/L	0.50U	20	16.1	80	32-130	
Bromomethane	ug/L	0.50U	20	16.7	84	20-152	
Carbon disulfide	ug/L	5.0U	20	20.0	98	28-184	
Carbon tetrachloride	ug/L	0.50U	20	20.4	102	37-137	
Chlorobenzene	ug/L	0.50U	20	20.3	102	46-130	
Chloroethane	ug/L	0.50U	20	20.0	100	48-159	
Chloroform	ug/L	0.50U	20	19.3	97	51-130	
Chloromethane	ug/L	0.62U	20	20.2	101	39-144	
cis-1,2-Dichloroethene	ug/L	0.50U	20	19.5	98	54-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	18.0	90	45-130	
Dibromochloromethane	ug/L	0.26U	20	16.8	84	43-130	
Dibromomethane	ug/L	0.50U	20	18.6	93	50-130	
Ethylbenzene	ug/L	0.50U	20	19.4	97	43-130	
Hexachloro-1,3-butadiene	ug/L	0.40U	20	16.2	81	35-136	
Iodomethane	ug/L	0.50U	20	15.1	75	20-169	
Methylene Chloride	ug/L	2.5U	20	18.7	94	51-135	
Styrene	ug/L	0.50U	20	18.9	95	40-130	
Tetrachloroethene	ug/L	0.50U	20	19.5	98	26-130	
Toluene	ug/L	0.50U	20	20.0	100	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	21.7	108	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	17.1	86	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	9.0 I	45	20-139	
Trichloroethene	ug/L	0.50U	20	20.1	101	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	23.3	116	46-146	
Vinyl acetate	ug/L	1.0U	20	13.6	68	20-165	
Vinyl chloride	ug/L	0.50U	20	21.5	107	57-142	
Xylene (Total)	ug/L	0.50U	60	57.9	97	42-130	
1,2-Dichloroethane-d4 (S)	%				97	86-125	
4-Bromofluorobenzene (S)	%				97	70-114	
Dibromofluoromethane (S)	%				99	88-117	
Toluene-d8 (S)	%				101	87-113	

SAMPLE DUPLICATE: 632021

Parameter	Units	3593001005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.36U	0.36U		40	
1,2-Dibromo-3-chloropropane	ug/L	1.0U	1.0U		40	
1,2-Dibromoethane (EDB)	ug/L	0.50U	0.50U		40	
1,2-Dichlorobenzene	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane	ug/L	0.50U	0.50U		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

SAMPLE DUPLICATE: 632021

Parameter	Units	3593001005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,4-Dichlorobenzene	ug/L	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	5.0U	5.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	5.7	5.7	.8	40	
Bromochloromethane	ug/L	0.50U	0.50U		40	
Bromodichloromethane	ug/L	0.27U	0.27U		40	
Bromoform	ug/L	0.50U	0.50U		40	
Bromomethane	ug/L	0.50U	0.50U		40	
Carbon disulfide	ug/L	5.0U	5.0U		40	
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	1.8	1.8	2	40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	
Chloromethane	ug/L	0.62U	0.62U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.91 I	0.92 I		40	
Hexachloro-1,3-butadiene	ug/L	0.40U	0.40U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.77 I	0.82 I		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	4.3	4.5	4	40	
1,2-Dichloroethane-d4 (S)	%	93	93	.3		
4-Bromofluorobenzene (S)	%	97	97	.2		
Dibromofluoromethane (S)	%	99	99	.4		
Toluene-d8 (S)	%	100	99	1		

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

QC Batch: OEXT/12751 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004, 3593001005, 3593001006, 3593001007, 3593001008

METHOD BLANK: 628502 Matrix: Water
Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004, 3593001005, 3593001006, 3593001007, 3593001008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	05/16/13 11:46	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	05/16/13 11:46	

LABORATORY CONTROL SAMPLE: 628503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.28	112	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.29	115	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 628504 628505

Parameter	Units	3592895006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0048 U	.44	.44	0.43	0.46	99	104	60-140	5	40	
1,2-Dibromoethane (EDB)	ug/L	0.0061 U	.44	.44	0.48	0.47	110	107	60-140	3	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

QC Batch: OEXT/12752 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 3593001009, 3593001010

METHOD BLANK: 628506 | Matrix: Water
Associated Lab Samples: 3593001009, 3593001010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	05/16/13 18:21	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	05/16/13 18:21	

LABORATORY CONTROL SAMPLE: 628507

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.29	116	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.31	124	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 628508 628509

Parameter	Units	3593001009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0048 U	.44	.44	0.47	0.44	108	100	60-140	8	40	
1,2-Dibromoethane (EDB)	ug/L	0.0061 U	.44	.44	0.54	0.49	123	111	60-140	10	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

QC Batch: WET/19249 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004, 3593001005, 3593001006, 3593001007, 3593001008, 3593001009, 3593001010

METHOD BLANK: 630833 Matrix: Water
Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004, 3593001005, 3593001006, 3593001007, 3593001008, 3593001009, 3593001010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	05/17/13 17:11	

LABORATORY CONTROL SAMPLE: 630834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	294	98	90-110	

SAMPLE DUPLICATE: 630835

Parameter	Units	3592928003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3460	3430	.8	20	

SAMPLE DUPLICATE: 630836

Parameter	Units	3593035001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	8960	8840	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

QC Batch: WETA/26179 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004

METHOD BLANK: 628231 Matrix: Water
Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	0.025U	0.050	05/14/13 23:12	

LABORATORY CONTROL SAMPLE: 628232

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	4.9	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 628233 628234

Parameter	Units	3592949002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	1.4	5	5	6.2	6.2	97	97	90-110	.09	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 628790 628791

Parameter	Units	3592988001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.25	5	5	5.0	5.1	96	96	90-110	.4	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

QC Batch: WETA/26200 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 3593001005, 3593001006, 3593001007, 3593001008, 3593001009, 3593001010

METHOD BLANK: 628796 Matrix: Water
Associated Lab Samples: 3593001005, 3593001006, 3593001007, 3593001008, 3593001009, 3593001010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	0.025U	0.050	05/15/13 09:05	

LABORATORY CONTROL SAMPLE: 628797

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	4.9	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 628798 628799

Parameter	Units	3593001005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.12U	25	25	24.0	24.0	96	96	90-110	.006	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 628800 628801

Parameter	Units	3593007002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	1.2	5	5	6.3	5.8	100	91	90-110	7	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

QC Batch: WETA/26204 — Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 — Analysis Description: 300.0 IC Anions
Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004, 3593001005, 3593001006, 3593001007, 3593001008, 3593001009, 3593001010

METHOD BLANK: 629154 — Matrix: Water
Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004, 3593001005, 3593001006, 3593001007, 3593001008, 3593001009, 3593001010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5U	5.0	05/15/13 09:05	
Sulfate	mg/L	2.5U	5.0	05/15/13 09:05	

LABORATORY CONTROL SAMPLE: 629155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.4	97	90-110	
Sulfate	mg/L	50	48.0	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 629156 — 629157

Parameter	Units	3593001005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	267	250	250	526	526	104	104	90-110	.03	20	L
Sulfate	mg/L	12.5U	250	250	236	235	93	93	90-110	.3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 629158 — 629159

Parameter	Units	3593001008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	114	500	500	615	615	100	100	90-110	.001	20	
Sulfate	mg/L	26.4	500	500	489	489	93	93	90-110	.02	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

QC Batch: WETA/26192 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004, 3593001005, 3593001006, 3593001007, 3593001008, 3593001009, 3593001010

METHOD BLANK: 628723 Matrix: Water
Associated Lab Samples: 3593001001, 3593001002, 3593001003, 3593001004, 3593001005, 3593001006, 3593001007, 3593001008, 3593001009, 3593001010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.050	05/15/13 16:32	

LABORATORY CONTROL SAMPLE: 628724

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 628726

Parameter	Units	3593001002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	42.4	5	46.2	77	90-110	J(M1)

SAMPLE DUPLICATE: 628725

Parameter	Units	3593001002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	42.4	42.4	.2	20	

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QUALIFIERS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
J(L0)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
J(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(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
L	Off-scale high. Actual value is known to be greater than value given.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3593001002	**B79-6**		FLD/		
3593001003	**B79-6 DUP**		FLD/		
3593001004	**B85**		FLD/		
3593001005	**B77**		FLD/		
3593001006	**B83**		FLD/		
3593001007	**B45-1**		FLD/		
3593001008	**B45-2**		FLD/		
3593001009	**B76-6**		FLD/		
3593001010	**B76-1**		FLD/		
3593001001	**Equipment Blank (5/14/13)**	EPA 8011	OEXT/12751	EPA 8011	GCSV/8592
3593001002	**B79-6**	EPA 8011	OEXT/12751	EPA 8011	GCSV/8592
3593001003	**B79-6 DUP**	EPA 8011	OEXT/12751	EPA 8011	GCSV/8592
3593001004	**B85**	EPA 8011	OEXT/12751	EPA 8011	GCSV/8592
3593001005	**B77**	EPA 8011	OEXT/12751	EPA 8011	GCSV/8592
3593001006	**B83**	EPA 8011	OEXT/12751	EPA 8011	GCSV/8592
3593001007	**B45-1**	EPA 8011	OEXT/12751	EPA 8011	GCSV/8592
3593001008	**B45-2**	EPA 8011	OEXT/12751	EPA 8011	GCSV/8592
3593001009	**B76-6**	EPA 8011	OEXT/12752	EPA 8011	GCSV/8593
3593001010	**B76-1**	EPA 8011	OEXT/12752	EPA 8011	GCSV/8593
3593001001	**Equipment Blank (5/14/13)**	EPA 3010	MPRP/13325	EPA 6010	ICP/8547
3593001002	**B79-6**	EPA 3010	MPRP/13325	EPA 6010	ICP/8547
3593001003	**B79-6 DUP**	EPA 3010	MPRP/13325	EPA 6010	ICP/8547
3593001004	**B85**	EPA 3010	MPRP/13325	EPA 6010	ICP/8547
3593001005	**B77**	EPA 3010	MPRP/13325	EPA 6010	ICP/8547
3593001006	**B83**	EPA 3010	MPRP/13325	EPA 6010	ICP/8547
3593001007	**B45-1**	EPA 3010	MPRP/13325	EPA 6010	ICP/8547
3593001008	**B45-2**	EPA 3010	MPRP/13325	EPA 6010	ICP/8547
3593001009	**B76-6**	EPA 3010	MPRP/13325	EPA 6010	ICP/8547
3593001010	**B76-1**	EPA 3010	MPRP/13325	EPA 6010	ICP/8547
3593001001	**Equipment Blank (5/14/13)**	EPA 3010	MPRP/13326	EPA 6020	ICPM/5307
3593001002	**B79-6**	EPA 3010	MPRP/13326	EPA 6020	ICPM/5307
3593001003	**B79-6 DUP**	EPA 3010	MPRP/13326	EPA 6020	ICPM/5307
3593001004	**B85**	EPA 3010	MPRP/13326	EPA 6020	ICPM/5307
3593001005	**B77**	EPA 3010	MPRP/13326	EPA 6020	ICPM/5307
3593001006	**B83**	EPA 3010	MPRP/13326	EPA 6020	ICPM/5307
3593001007	**B45-1**	EPA 3010	MPRP/13326	EPA 6020	ICPM/5307
3593001008	**B45-2**	EPA 3010	MPRP/13326	EPA 6020	ICPM/5307
3593001009	**B76-6**	EPA 3010	MPRP/13326	EPA 6020	ICPM/5307
3593001010	**B76-1**	EPA 3010	MPRP/13326	EPA 6020	ICPM/5307
3593001001	**Equipment Blank (5/14/13)**	EPA 7470	MERP/3790	EPA 7470	MERC/3789
3593001002	**B79-6**	EPA 7470	MERP/3790	EPA 7470	MERC/3789
3593001003	**B79-6 DUP**	EPA 7470	MERP/3790	EPA 7470	MERC/3789
3593001004	**B85**	EPA 7470	MERP/3790	EPA 7470	MERC/3789
3593001005	**B77**	EPA 7470	MERP/3790	EPA 7470	MERC/3789
3593001006	**B83**	EPA 7470	MERP/3790	EPA 7470	MERC/3789
3593001007	**B45-1**	EPA 7470	MERP/3790	EPA 7470	MERC/3789

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3593001008	**B45-2**	EPA 7470	MERP/3790	EPA 7470	MERC/3789
3593001009	**B76-6**	EPA 7470	MERP/3790	EPA 7470	MERC/3789
3593001010	**B76-1**	EPA 7470	MERP/3790	EPA 7470	MERC/3789
3593001001	**Equipment Blank (5/14/13)**	EPA 8260	MSV/8644		
3593001002	**B79-6**	EPA 8260	MSV/8644		
3593001003	**B79-6 DUP**	EPA 8260	MSV/8644		
3593001004	**B85**	EPA 8260	MSV/8644		
3593001005	**B77**	EPA 8260	MSV/8644		
3593001006	**B83**	EPA 8260	MSV/8644		
3593001007	**B45-1**	EPA 8260	MSV/8644		
3593001008	**B45-2**	EPA 8260	MSV/8644		
3593001009	**B76-6**	EPA 8260	MSV/8644		
3593001010	**B76-1**	EPA 8260	MSV/8644		
3593001011	**Trip Blank (5/14/13)**	EPA 8260	MSV/8644		
3593001001	**Equipment Blank (5/14/13)**	SM 2540C	WET/19249		
3593001002	**B79-6**	SM 2540C	WET/19249		
3593001003	**B79-6 DUP**	SM 2540C	WET/19249		
3593001004	**B85**	SM 2540C	WET/19249		
3593001005	**B77**	SM 2540C	WET/19249		
3593001006	**B83**	SM 2540C	WET/19249		
3593001007	**B45-1**	SM 2540C	WET/19249		
3593001008	**B45-2**	SM 2540C	WET/19249		
3593001009	**B76-6**	SM 2540C	WET/19249		
3593001010	**B76-1**	SM 2540C	WET/19249		
3593001001	**Equipment Blank (5/14/13)**	EPA 300.0	WETA/26179		
3593001002	**B79-6**	EPA 300.0	WETA/26179		
3593001003	**B79-6 DUP**	EPA 300.0	WETA/26179		
3593001004	**B85**	EPA 300.0	WETA/26179		
3593001005	**B77**	EPA 300.0	WETA/26200		
3593001006	**B83**	EPA 300.0	WETA/26200		
3593001007	**B45-1**	EPA 300.0	WETA/26200		
3593001008	**B45-2**	EPA 300.0	WETA/26200		
3593001009	**B76-6**	EPA 300.0	WETA/26200		
3593001010	**B76-1**	EPA 300.0	WETA/26200		
3593001001	**Equipment Blank (5/14/13)**	EPA 300.0	WETA/26204		
3593001002	**B79-6**	EPA 300.0	WETA/26204		
3593001003	**B79-6 DUP**	EPA 300.0	WETA/26204		
3593001004	**B85**	EPA 300.0	WETA/26204		
3593001005	**B77**	EPA 300.0	WETA/26204		
3593001006	**B83**	EPA 300.0	WETA/26204		
3593001007	**B45-1**	EPA 300.0	WETA/26204		
3593001008	**B45-2**	EPA 300.0	WETA/26204		
3593001009	**B76-6**	EPA 300.0	WETA/26204		
3593001010	**B76-1**	EPA 300.0	WETA/26204		
3593001001	**Equipment Blank (5/14/13)**	EPA 350.1	WETA/26192		
3593001002	**B79-6**	EPA 350.1	WETA/26192		

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593001

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3593001003	**B79-6 DUP**	EPA 350.1	WETA/26192		
3593001004	**B85**	EPA 350.1	WETA/26192		
3593001005	**B77**	EPA 350.1	WETA/26192		
3593001006	**B83**	EPA 350.1	WETA/26192		
3593001007	**B45-1**	EPA 350.1	WETA/26192		
3593001008	**B45-2**	EPA 350.1	WETA/26192		
3593001009	**B76-6**	EPA 350.1	WETA/26192		
3593001010	**B76-1**	EPA 350.1	WETA/26192		

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www.pacelabs

WO# : 3593001

3593001

'ODY / Analytical Request Document

'AL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1569264

Section A
Required Client Information:

Company: VOLUSIA COUNTY	
Address: 1990 TOMOKA FARMS RD. DAYTONA BEACH FL 32124	
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	

Required Project Information:

Report To: MS. JENNIFER STARK	
Copy To:	
Purchase Order No.:	
Project Name:	
Project Number:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #: 2028 1590	

REGULATORY AGENCY

☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location
STATE: _____

Section D
Required Client Information

Matrix Codes
MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	SOLIDS, TDS	NITROGEN, AMMONIA NH3	8260 EDB	8260 VOLATILE →	ORGANIC COMPOUNDS	GOLD METALS	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	EQ	SW	G			5-14-13	0915		8	3	1	1	3						X	X	X	X	X		L4
2	B79-6						0952																		
3	DUP						0952																		
4	B85						1042																		
5	B77						1132																		
6	B83						1229																		
7	B45-1						1309																		
8	B45-2						1330																		
9	B76-6						1433																		
10	B76-1						1518																		
11	TRIP BLANK								2				2									X			L5
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	MSL / PACE	5-14-13	1635	DS	5/14/13	16:35	5.8 4
							T12

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: MARK GILBERT

SIGNATURE of SAMPLER: MSL

DATE Signed (MM/DD/YY): 5-14-13

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical® Florida Laboratory	Document Name: Groundwater Sampling Log	Document Revised: December 03, 2012
	Document No.: F-FL-C-021 rev.00	Issuing Authority: Pace Florida Quality Office

Form FD 9000-24

GROUNDWATER SAMPLING LOG

BENZENE MG

SITE NAME: [illegible] LANDFILL - [illegible]	SITE LOCATION:	
WELL NO: EQ	SAMPLE ID: 3593001	DATE: 5-14-13

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016
PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 0915	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y N (replaced)	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Slow Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (DHE FS 2000 SECTION 3):
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table [illegible]) or optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU (optionally, ± 5 NTU or ± 10% whichever is greater)

Pace Analytical® Florida Laboratory	Document Name: Groundwater Sampling Log	Document Revised: December 03, 2012
	Document No.: F-FL-C-021 rev.00	Issuing Authority: Pace Florida Quality Office

Form FD 9000-24

GROUNDWATER SAMPLING LOG

BENZENE MG

SITE NAME: TOMOKA LANDFILL ~~SOUTH AOMAC~~	SITE LOCATION:	
WELL NO: B79-6 DCSP	SAMPLE ID: 3593001	DATE: 5-14-13

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 11.93	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (53.70 feet – 11.93 feet) X 0.16 gallons/foot = 6.6832 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 0932	PURGING ENDED AT: 0950	TOTAL VOLUME PURGED (gallons): 9.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0946	7.0	7.0	0.5	12.25	6.03	21.98	3085	0.32	1.47	CLEAR	NONE
0948	1.0	8.0	1	1	6.03	22.08	3087	0.28	0.69	1	1
0950	1.0	9.0			6.03	22.01	3091	0.25	3.66		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0952	SAMPLING ENDED AT: ~~0952~~ 1000
PUMP OR TUBING DEPTH IN WELL (feet): 15	TUBING MATERIAL CODE: PE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

REMARKS: ORP -103.4 ORP -104.2 ORP -104.7

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SH = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (i.e. 4/12, SEPTEMBER): pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 10% saturation (see Table 62-160-4) optional: ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optional: ± 5 NTU or ± 10% (whichever is greater)

Pace Analytical® Florida Laboratory	Document Name: Groundwater Sampling Log	Document Revised: December 03, 2012
	Document No.: F-FL-C-021 rev.00	Issuing Authority: Pace Florida Quality Office

Form FD 9000-24

GROUNDWATER SAMPLING LOG

BENZENE MG

SITE NAME: POMONA LAND FILL ~~SEMI ANNUAL~~	SITE LOCATION:	
WELL NO: B 85	SAMPLE ID: 3593 001	DATE: 5-14-13

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 11.91	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (43.32 feet – 11.91 feet) X 0.16 gallons/foot = 5.0256 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 1025	PURGING ENDED AT: 1040	TOTAL VOLUME PURGED (gallons): 7.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1036	5.5	5.5	0.5	12.23	6.09	21.98	1814	0.40	0.69	CLEAR	NONE
1038	1.0	6.5	1	1	6.09	21.98	1864	0.30	0.34	1	1
1040	1.0	7.5			6.08	21.98	1874	0.25	0.29		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016
PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT	SAMPLER(S) SIGNATURE(S): MGS	SAMPLING INITIATED AT: 1042	SAMPLING ENDED AT: 1046
PUMP OR TUBING DEPTH IN WELL (feet): 15	TUBING MATERIAL CODE: PE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

REMARKS: ORP -87.6 ORP -88.2 ORP -89.9

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Slow Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. This sheet is not constitute all of the information required by Chapter 62-160 F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (See FS 2212, Section 3):
pH: ± 0.2 units; Temperature: ± 0.2 °C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 10% saturation (see FS 2200-7); Turbidity: all readings ≤ 10 NTU or ± 10% (whichever is greater); Redox Potential: ± 10 mV or ± 10% (whichever is greater).

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: BOWMAN LANDFILL BENZENE	SITE LOCATION:	
WELL NO: B 7.7	SAMPLE ID: 359300 1	DATE: 5-14-13

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 14.90	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (44.50 feet – 14.90 feet) X 0.16 gallons/foot = 4.896 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18	PURGING INITIATED AT: 1117	PURGING ENDED AT: 1131	TOTAL VOLUME PURGED (gallons): 7.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1127	5.0	5.0	0.5	15.3	5.90	22.06	1928	0.25	3.01	CLEAR	SULFA
1129	1.0	6.0	1	1	5.91	22.08	1940	0.23	2.05	1	1
1131	1.0	7.0	1	1	5.91	22.09	1947	0.21	2.89		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1132	SAMPLING ENDED AT: 1138
PUMP OR TUBING DEPTH IN WELL (feet): 18	TUBING MATERIAL CODE: PE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

REMARKS: ORP -123.4 ORP-129.7 ORP -133.2

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF 3 CONSECUTIVE READINGS (FS 2212, SECTION 3):
pH: ± 0.2 units; Temperature: ± 0.2 °C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings within 10% (where DO > 0.5 mg/L); Turbidity: optically ± 0.2 NTU or ± 10% (whichever is greater); all readings < 50 NTU ... ± 5 NTU or ± 10% ...

Pace Analytical® Florida Laboratory	Document Name: Groundwater Sampling Log	Document Revised: December 03, 2012
	Document No.: F-FL-C-021 rev.00	Issuing Authority: Pace Florida Quality Office

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: DOMONA LAND FILL BENZENE	SITE LOCATION:	
WELL NO: B 83	SAMPLE ID: 3593001	DATE: 5-14-13

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 18.03	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (103.00 feet – 18.03 feet) X 0.16 gallons/foot = 13.5952 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21	PURGING INITIATED AT: 1155	PURGING ENDED AT: 1227	TOTAL VOLUME PURGED (gallons): 16.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1223	14.0	14.0	0.5	18.6	6.79	22.22	631	0.36	8.21	CLEAR	NONE
1225	1.0	15.0	0.5		6.76	22.26	632	0.31	3.15		
1227	1.0	16.0	0.5		6.74	22.26	632	0.29	2.57		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GIBBS	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1229	SAMPLING ENDED AT: 1235
PUMP OR TUBING DEPTH IN WELL (feet): 21	TUBING MATERIAL CODE: PE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

REMARKS: ORP -140.2 ORP -135.4 ORP -132.9

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RPPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2150 SECTION 4):
pH: ± 0.2 units. Temperature: ± 0.2 °C. Specific Conductance: ± 5%. Dissolved Oxygen: 3 readings ± 10% saturation (see FS 2150 Section 4); optionally, ± 0.2 mg/L or ± 10% (whichever is greater). Turbidity: 3 readings ± 10 NTU; optionally, ± [illegible]

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TOMOKA LANDFILL BONZONE | SITE LOCATION:

WELL NO: B45-1 | SAMPLE ID: 3593001 | DATE: 5-14-13

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 6.95 | PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (37.08 feet – 6.95 feet) X 0.16 gallons/foot = 4.8208 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12 | PURGING INITIATED AT: 1243 | PURGING ENDED AT: 1307 | TOTAL VOLUME PURGED (gallons): 6.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1303	5.0	5.0	0.25	9.63	5.79	21.89	1853	0.22	7.10	CLEAR	NONE
1305	0.50	5.5	|	|	5.79	21.83	1841	0.20	7.96	|	|
1307	0.50	6.0	|	|	5.79	21.85	1815	0.20	8.20	|	|

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT | SAMPLER(S) SIGNATURE(S): [signature] | SAMPLING INITIATED AT: 1309 | SAMPLING ENDED AT: 1312

PUMP OR TUBING DEPTH IN WELL (feet): 12 | TUBING MATERIAL CODE: PE,S | FIELD-FILTERED: Y (N) Filtration Equipment Type: | FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING (Y) N (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

REMARKS: ORP -127.1 ORP -128.8 ORP -129.8

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw (Select Pulling Heavy Water); **O** = Other (Specify)

NOTES: 1. This sheet does not contain all of the information required by Chapter 62-160 F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE READINGS OF FIELD PARAMETERS:
pH ± 0.2 units; Temperature ± 0.2 °C; Specific Conductance ± 3%; Dissolved Oxygen all readings ± 0.3 mg/L or ± 10% (whichever is greater); Turbidity all readings ± 5 NTU (optionally ± 10%); Redox potential ± 10%

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: PAMIKA LANDFILL BONZONE	SITE LOCATION:	
WELL NO: B45-2	SAMPLE ID: 2593001	DATE: 5-14-13

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.47	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (17.61 feet – 6.47 feet) X 0.16 gallons/foot = 1.7824 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11	PURGING INITIATED AT: 1314	PURGING ENDED AT: 1336	TOTAL VOLUME PURGED (gallons): 3.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1326	1.8	1.8	0.15	9.13	5.40	21.52	1193	1.21	6.36	CLEAR	NONE
1328	0.3	2.1	|	9.29	5.35	21.51	1179	0.94	5.66	|	|
1330	0.3	2.4	|	9.52	5.31	21.50	1084	0.87	5.55	|	|
1332	0.3	2.7	|	9.63	5.28	21.52	1134	0.63	5.43	|	|
1334	0.3	3.0	|	9.80	5.22	21.47	1079	0.44	6.00	|	|
1336	0.3	3.3	|	9.92	5.20	21.45	1065	0.42	6.05	|	|

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1338	SAMPLING ENDED AT: 1345
PUMP OR TUBING DEPTH IN WELL (feet): 11	TUBING MATERIAL CODE: PE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

REMARKS: ORP 50.4 ORP 53.1 ORP 56.3 ORP 61 ORP ~~76.4~~ 62.4 ORP 64.5

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTE: **These values do not constitute all of the information required by Chapter 62-160, F.A.C.**
[illegible] STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (FDEP SOP 2012, SECTION 3)
[illegible] ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings [illegible] saturation (see FDEP SOP 2012-2)
[illegible] ± 0.3 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 50 NTU [illegible] ± 10% [illegible] greater

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TAMPA LANDFILL BENZENE	SITE LOCATION:	
WELL NO: B76-6	SAMPLE ID: B593001	DATE: 5-14-13

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 11.39	PURGE PUMP TYPE OR BAILER: PD

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (49.40 feet – 11.39 feet) X 0.16 gallons/foot = 6.1616 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 1407	PURGING ENDED AT: 1431	TOTAL VOLUME PURGED (gallons): 8.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1427	6.5	6.5	0.5	12.14	5.89	22.49	1915	0.38	16.4	CLEAR	NONE
1429	1.0	7.5	1	1	5.92	22.52	1935	0.30	6.88	1	1
1431	1.0	8.5	1	1	5.93	22.51	1947	0.30	4.29		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1433	SAMPLING ENDED AT: 1440
PUMP OR TUBING DEPTH IN WELL (feet): 15	TUBING MATERIAL CODE: PE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

REMARKS: ORP -92.6 / ORP -94.9 / ORP -96.9

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; GD = Direct Gravity Drain (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Rule 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION [illegible] REGULATIONS, [illegible] 62-160.210, SECTION 3:
pH ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: [illegible] 200µ [illegible] Page 67 of 69
optionally, ± 0.2 mg/L or ± 10% (whichever is greater) [illegible] or ± 10% [illegible]

Pace Analytical® Florida Laboratory	Document Name: Groundwater Sampling Log	Document Revised: December 03, 2012
	Document No.: F-FL-C-021 rev.00	Issuing Authority: Pace Florida Quality Office

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TOMOKA LANDFILL BENZENE	SITE LOCATION:	
WELL NO: B76-1	SAMPLE ID: 3593001	DATE: 5-14-1

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.12	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (34.30 feet – 5.12 feet) X 0.16 gallons/foot = 4.6688 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9	PURGING INITIATED AT: 1453	PURGING ENDED AT: 1516	TOTAL VOLUME PURGED (gallons): 5.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1512	4.75	4.75	0.25	6.1	5.59	22.84	1797	0.24	15.4	CLEAR	NONE
1514	0.50	5.25	1	1	5.61	22.84	1838	0.22	8.83	1	1
1516	0.50	5.75	1	1	5.62	22.84	1849	0.20	6.36	1	1

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1518	SAMPLING ENDED AT: 1523
PUMP OR TUBING DEPTH IN WELL (feet): 9	TUBING MATERIAL CODE: PE.S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

REMARKS: ORP -74.2 ORP -78.5 ORP -79.5

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. This sheet do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (see FG 3213, section 9)
pH: ± 0.2 units Temperature: ± 0.2 °C. Specific Conductance: ± 5%. Dissolved Oxygen: all no change ≤ 20% saturation (see Table 5-1, 2000-2), optionally, ± 0.3 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU, optionally ± 0.5 NTU or ± 10% (whichever is greater)

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: September 23, 2011
	Document No.: F-FL-C-007 rev. 04	Issuing Authorities: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Table Number:_____

Client Name: VOLUSIA COUNTY Project # 3593001

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

Tracking # _____

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

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

Thermometer Used T112 Type of Ice: (Wet) Blue None

Cooler Temperature°C 6.3 (Visual) -0.5 (Correction Factor) 5.8 (Actual)

Date and Initials of person examining contents:_____

(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen? ☐Yes ☐No

Receipt of samples satisfactory: ☐Yes ☐No

Rush TAT requested on COC:

If yes, then all conditions below were met:	If no, then mark box & describe issue (use comments area if necessary):
Chain of Custody Present	☐
Chain of Custody Filled Out	☐
Relinquished Signature & Sampler Name COC	☐
Samples Arrived within Hold Time	☐
Sufficient Volume	☐
Correct Containers Used	☐
Containers Intact	☐
Sample Labels match COC (sample IDs & date/time of collection)	☐ No Labels: ☐ No Time/Date on Labels: ☐
All containers needing preservation are found to be in compliance with EPA recommendation.	☐
No Headspace in VOA Vials (>6mm):	☐

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: _____

Finished Product Information Only

F.P. Sample ID:_____

Production Code:_____

Date/Time Opened:_____

Number of Unopened Bottles Remaining:_____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

_____ x 5 Gal
_____ x 2.5 Gal
_____ x 1 Gal
_____ x 1 Liter
_____ x 500 mL
_____ x 250 mL
_____ x Other:_____