

May 30, 2014

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

RE: Project: Tomoka Benzene Remediation
Pace Project No.: 35138508

Dear Ms. Stirk:

Enclosed are the analytical results for sample(s) received by the laboratory on May 19, 2014. 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@pacelabs.com
Project Manager

Enclosures

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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

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
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
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
South Carolina Certification: #96042001
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 Benzene Remediation

Pace Project No.: 35138508

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35138508001	EQ Blank 5/19/14	Water	05/19/14 08:20	05/19/14 16:45
35138508002	B45-1	Water	05/19/14 09:12	05/19/14 16:45
35138508003	B45-1 Dup	Water	05/19/14 09:12	05/19/14 16:45
35138508004	B45-2	Water	05/19/14 09:36	05/19/14 16:45
35138508005	B77-1	Water	05/19/14 10:30	05/19/14 16:45
35138508006	B76-6	Water	05/19/14 11:33	05/19/14 16:45
35138508007	B76-1	Water	05/19/14 12:23	05/19/14 16:45
35138508008	B82-1	Water	05/19/14 13:12	05/19/14 16:45
35138508009	B87-F	Water	05/19/14 14:55	05/19/14 16:45
35138508010	B87-6	Water	05/19/14 15:47	05/19/14 16:45
35138508011	Trip Blank 5/19/14	Water	05/19/14 00:00	05/19/14 16:45

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SAMPLE ANALYTE COUNT

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35138508001	EQ Blank 5/19/14	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	KEK	1	PASI-O
		EPA 353.2	CLS	1	PASI-O
35138508002	B45-1	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	KEK	1	PASI-O
		EPA 353.2	CLS	1	PASI-O
35138508003	B45-1 Dup	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	KEK	1	PASI-O
		EPA 353.2	CLS	1	PASI-O
35138508004	B45-2	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	KEK	1	PASI-O
		EPA 353.2	CLS	1	PASI-O
35138508005	B77-1	EPA 8011	IRL	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35138508006	B76-6	EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	KEK	1	PASI-O
		EPA 353.2	CLS	1	PASI-O
		EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	KEK	1	PASI-O
35138508007	B76-1	EPA 353.2	CLS	1	PASI-O
		EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	KEK	1	PASI-O
		EPA 353.2	CLS	1	PASI-O
		EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
35138508008	B82-1	EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	KEK	1	PASI-O
		EPA 353.2	CLS	1	PASI-O
		EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	KEK	1	PASI-O
		EPA 353.2	CLS	1	PASI-O
		EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
35138508009	B87-F	EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	KEK	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35138508010	B87-6	EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	KEK	1	PASI-O
		EPA 353.2	CLS	1	PASI-O
		EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	KEK	1	PASI-O
		EPA 353.2	CLS	1	PASI-O
35138508011	Trip Blank 5/19/14	EPA 8260	SK	50	PASI-O

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PROJECT NARRATIVE

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Date: May 30, 2014

The samples 35138508001 through 010 were reported past the recommended holding time for nitrate due to an instrument issue that delayed the analysis.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: EQ Blank 5/19/14 **Lab ID: 35138508001** Collected: 05/19/14 08:20 Received: 05/19/14 16:45 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	0.0055U	ug/L	0.022	0.0055	1	05/22/14 23:30	05/24/14 07:56	96-12-8	
1,2-Dibromoethane (EDB)	0.0069U	ug/L	0.011	0.0069	1	05/22/14 23:30	05/24/14 07:56	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:04	7440-38-2	
Barium	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:04	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:04	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:04	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:04	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:04	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:04	7440-50-8	
Iron	20.0U	ug/L	40.0	20.0	1	05/23/14 03:20	05/23/14 21:04	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:04	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:04	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	05/23/14 03:20	05/23/14 21:04	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:04	7440-22-4	
Sodium	0.50U	mg/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:04	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:04	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	05/23/14 03:20	05/23/14 21:04	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 13:19	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 13:19	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	05/23/14 14:47	05/24/14 09:13	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		05/25/14 10:48	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/25/14 10:48	107-13-1	
Benzene	0.10U	ug/L	1.0	0.10	1		05/25/14 10:48	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/25/14 10:48	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/25/14 10:48	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/25/14 10:48	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/25/14 10:48	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/25/14 10:48	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: EQ Blank 5/19/14 **Lab ID:** 35138508001 Collected: 05/19/14 08:20 Received: 05/19/14 16:45 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		05/25/14 10:48	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/25/14 10:48	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 10:48	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 10:48	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/25/14 10:48	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/25/14 10:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/25/14 10:48	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/25/14 10:48	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/25/14 10:48	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/25/14 10:48	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		05/25/14 10:48	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95 %		70-114		1		05/25/14 10:48	460-00-4	
1,2-Dichloroethane-d4 (S)	99 %		86-125		1		05/25/14 10:48	17060-07-0	
Toluene-d8 (S)	100 %		87-113		1		05/25/14 10:48	2037-26-5	
2540C Total Dissolved Solids Analytical Method: SM 2540C									
Total Dissolved Solids	5.0U	mg/L	5.0	5.0	1		05/22/14 08:38		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	2.5U	mg/L	5.0	2.5	1		05/23/14 00:53	16887-00-6	J(M1)
Sulfate	2.5U	mg/L	5.0	2.5	1		05/23/14 00:53	14808-79-8	J(M1)
350.1 Ammonia Analytical Method: EPA 350.1									
Nitrogen, Ammonia	0.020U	mg/L	0.050	0.020	1		05/23/14 15:39	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres Analytical Method: EPA 353.2									
Nitrogen, Nitrate	0.029U	mg/L	0.050	0.029	1		05/22/14 17:50		Q

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B45-1		Lab ID: 35138508002		Collected: 05/19/14 09:12		Received: 05/19/14 16:45		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	6.07	Std. Units			1		05/19/14 09:12		
Field Temperature	21.90	deg C			1		05/19/14 09:12		
Appearance	Color: yellow, Sheen: none				1		05/19/14 09:12		
Field Specific Conductance	1466	umhos/cm			1		05/19/14 09:12		
Oxygen, Dissolved	0.37	mg/L			1		05/19/14 09:12	7782-44-7	
REDOX	-26.5	mV			1		05/19/14 09:12		
Turbidity	1.39	NTU			1		05/19/14 09:12		
Water Level(NGVD)	24.19	feet			1		05/19/14 09:12		
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0052U	ug/L	0.021	0.0052	1	05/22/14 23:30	05/24/14 08:11	96-12-8	
1,2-Dibromoethane (EDB)	0.0066U	ug/L	0.011	0.0066	1	05/22/14 23:30	05/24/14 08:11	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.8 I	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:21	7440-38-2	
Barium	143	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:21	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:21	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:21	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:21	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:21	7440-48-4	
Copper	4.0 I	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:21	7440-50-8	
Iron	43400	ug/L	40.0	20.0	1	05/23/14 03:20	05/23/14 21:21	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:21	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:21	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	05/23/14 03:20	05/23/14 21:21	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:21	7440-22-4	
Sodium	232	mg/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:21	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:21	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	05/23/14 03:20	05/23/14 21:21	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 13:23	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 13:23	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	05/23/14 14:47	05/24/14 09:15	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		05/25/14 15:55	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/25/14 15:55	107-13-1	
Benzene	10.5	ug/L	1.0	0.10	1		05/25/14 15:55	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/25/14 15:55	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B45-1 **Lab ID: 35138508002** Collected: 05/19/14 09:12 Received: 05/19/14 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Bromoform	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/25/14 15:55	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/25/14 15:55	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	56-23-5	
Chlorobenzene	6.1	ug/L	1.0	0.50	1		05/25/14 15:55	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/25/14 15:55	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/25/14 15:55	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/25/14 15:55	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 15:55	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 15:55	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/25/14 15:55	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/25/14 15:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/25/14 15:55	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/25/14 15:55	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/25/14 15:55	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/25/14 15:55	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/25/14 15:55	75-01-4	
Xylene (Total)	2.3	ug/L	1.0	0.50	1		05/25/14 15:55	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93 %		70-114		1		05/25/14 15:55	460-00-4	
1,2-Dichloroethane-d4 (S)	100 %		86-125		1		05/25/14 15:55	17060-07-0	
Toluene-d8 (S)	98 %		87-113		1		05/25/14 15:55	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B45-1		Lab ID: 35138508002		Collected: 05/19/14 09:12		Received: 05/19/14 16:45		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	970	mg/L	10.0	10.0	1		05/22/14 08:38		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	200	mg/L	25.0	12.5	5		05/22/14 23:22	16887-00-6	
Sulfate	2.5U	mg/L	5.0	2.5	1		05/27/14 11:48	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	0.065	mg/L	0.050	0.020	1		05/23/14 16:08	7664-41-7	J(M1)
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	0.029U	mg/L	0.050	0.029	1		05/22/14 17:52		

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B45-1 Dup		Lab ID: 35138508003		Collected: 05/19/14 09:12		Received: 05/19/14 16:45		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
Field pH	6.07	Std. Units			1		05/19/14 09:12		
Field Temperature	21.90	deg C			1		05/19/14 09:12		
Appearance	Color: yellow, Sheen: none				1		05/19/14 09:12		
Field Specific Conductance	1466	umhos/cm			1		05/19/14 09:12		
Oxygen, Dissolved	0.37	mg/L			1		05/19/14 09:12	7782-44-7	
REDOX	-26.5	mV			1		05/19/14 09:12		
Turbidity	1.39	NTU			1		05/19/14 09:12		
Water Level(NGVD)	24.19	feet			1		05/19/14 09:12		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	0.0066 I	ug/L	0.022	0.0053	1	05/22/14 23:30	05/24/14 08:57	96-12-8	
1,2-Dibromoethane (EDB)	0.0067U	ug/L	0.011	0.0067	1	05/22/14 23:30	05/24/14 08:57	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	7.0 I	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:38	7440-38-2	
Barium	144	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:38	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:38	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:38	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:38	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:38	7440-48-4	
Copper	4.0 I	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:38	7440-50-8	
Iron	43500	ug/L	40.0	20.0	1	05/23/14 03:20	05/23/14 21:38	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:38	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:38	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	05/23/14 03:20	05/23/14 21:38	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:38	7440-22-4	
Sodium	232	mg/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:38	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:38	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	05/23/14 03:20	05/23/14 21:38	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 13:37	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 13:37	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	0.10U	ug/L	0.20	0.10	1	05/23/14 14:47	05/24/14 09:17	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
Acetone	10.0U	ug/L	20.0	10.0	1		05/25/14 16:45	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/25/14 16:45	107-13-1	
Benzene	10.4	ug/L	1.0	0.10	1		05/25/14 16:45	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/25/14 16:45	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B45-1 Dup **Lab ID: 35138508003** Collected: 05/19/14 09:12 Received: 05/19/14 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Bromoform	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/25/14 16:45	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/25/14 16:45	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	56-23-5	
Chlorobenzene	6.0	ug/L	1.0	0.50	1		05/25/14 16:45	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/25/14 16:45	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/25/14 16:45	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/25/14 16:45	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 16:45	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 16:45	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/25/14 16:45	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/25/14 16:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/25/14 16:45	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/25/14 16:45	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/25/14 16:45	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/25/14 16:45	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/25/14 16:45	75-01-4	
Xylene (Total)	2.3	ug/L	1.0	0.50	1		05/25/14 16:45	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93 %		70-114		1		05/25/14 16:45	460-00-4	
1,2-Dichloroethane-d4 (S)	101 %		86-125		1		05/25/14 16:45	17060-07-0	
Toluene-d8 (S)	98 %		87-113		1		05/25/14 16:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B45-1 Dup		Lab ID: 35138508003	Collected: 05/19/14 09:12	Received: 05/19/14 16:45	Matrix: Water				
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	972	mg/L	10.0	10.0	1		05/22/14 08:39		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	196	mg/L	25.0	12.5	5		05/23/14 01:39	16887-00-6	
Sulfate	2.5U	mg/L	5.0	2.5	1		05/27/14 12:09	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	0.042 I	mg/L	0.050	0.020	1		05/23/14 15:46	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	0.029U	mg/L	0.050	0.029	1		05/22/14 17:53		

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B45-2 **Lab ID: 35138508004** Collected: 05/19/14 09:36 Received: 05/19/14 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	6.22	Std. Units			1		05/19/14 09:36		
Field Temperature	21.73	deg C			1		05/19/14 09:36		
Appearance	Color: yellow, Sheen: none				1		05/19/14 09:36		
Field Specific Conductance	555	umhos/cm			1		05/19/14 09:36		
Oxygen, Dissolved	0.37	mg/L			1		05/19/14 09:36	7782-44-7	
REDOX	40.9	mV			1		05/19/14 09:36		
Turbidity	4.60	NTU			1		05/19/14 09:36		
Water Level(NGVD)	24.26	feet			1		05/19/14 09:36		
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0052U	ug/L	0.021	0.0052	1	05/22/14 23:30	05/24/14 09:13	96-12-8	
1,2-Dibromoethane (EDB)	0.0066U	ug/L	0.011	0.0066	1	05/22/14 23:30	05/24/14 09:13	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:44	7440-38-2	
Barium	34.5	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:44	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/24/14 21:44	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/24/14 21:44	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/24/14 21:44	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:44	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/24/14 21:44	7440-50-8	
Iron	282	ug/L	40.0	20.0	1	05/23/14 03:20	05/24/14 21:44	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:44	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/24/14 21:44	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	05/23/14 03:20	05/24/14 21:44	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/24/14 21:44	7440-22-4	
Sodium	32.5	mg/L	1.0	0.50	1	05/23/14 03:20	05/24/14 21:44	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:44	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	05/23/14 03:20	05/24/14 21:44	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 13:40	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 13:40	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	05/23/14 14:47	05/24/14 09:19	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		05/25/14 17:16	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/25/14 17:16	107-13-1	
Benzene	0.10U	ug/L	1.0	0.10	1		05/25/14 17:16	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/25/14 17:16	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B45-2 **Lab ID: 35138508004** Collected: 05/19/14 09:36 Received: 05/19/14 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Bromoform	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/25/14 17:16	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/25/14 17:16	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/25/14 17:16	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/25/14 17:16	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/25/14 17:16	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 17:16	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 17:16	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/25/14 17:16	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/25/14 17:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/25/14 17:16	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/25/14 17:16	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/25/14 17:16	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/25/14 17:16	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		05/25/14 17:16	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94 %		70-114		1		05/25/14 17:16	460-00-4	
1,2-Dichloroethane-d4 (S)	100 %		86-125		1		05/25/14 17:16	17060-07-0	
Toluene-d8 (S)	99 %		87-113		1		05/25/14 17:16	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B45-2		Lab ID: 35138508004		Collected: 05/19/14 09:36		Received: 05/19/14 16:45		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	469	mg/L	5.0	5.0	1		05/22/14 08:40		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	43.3	mg/L	5.0	2.5	1		05/23/14 01:54	16887-00-6	
Sulfate	41.2	mg/L	5.0	2.5	1		05/23/14 01:54	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	0.020U	mg/L	0.050	0.020	1		05/23/14 15:47	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	29.8	mg/L	0.50	0.29	10		05/22/14 19:30		Q

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B77-1 Lab ID: 35138508005 Collected: 05/19/14 10:30 Received: 05/19/14 16:45 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.16	Std. Units			1		05/19/14 10:30		
Field Temperature	22.32	deg C			1		05/19/14 10:30		
Appearance	Color: yellow, Sheen: none				1		05/19/14 10:30		
Field Specific Conductance	1753	umhos/cm			1		05/19/14 10:30		
Oxygen, Dissolved	0.22	mg/L			1		05/19/14 10:30	7782-44-7	
REDOX	-15.5	mV			1		05/19/14 10:30		
Turbidity	0.45	NTU			1		05/19/14 10:30		
Depth to Water	44.50	feet			1		05/19/14 10:30		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0056U	ug/L	0.023	0.0056	1	05/22/14 23:30	05/24/14 09:43	96-12-8	
1,2-Dibromoethane (EDB)	0.0071U	ug/L	0.011	0.0071	1	05/22/14 23:30	05/24/14 09:43	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:47	7440-38-2	
Barium	115	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:47	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:47	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:47	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:47	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:47	7440-48-4	
Copper	3.8 I	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:47	7440-50-8	
Iron	34800	ug/L	40.0	20.0	1	05/23/14 03:20	05/23/14 21:47	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:47	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:47	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	05/23/14 03:20	05/23/14 21:47	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:47	7440-22-4	
Sodium	140	mg/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:47	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:47	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	05/23/14 03:20	05/23/14 21:47	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 13:44	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 13:44	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	05/23/14 14:47	05/24/14 09:26	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		05/25/14 17:41	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/25/14 17:41	107-13-1	
Benzene	5.5	ug/L	1.0	0.10	1		05/25/14 17:41	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/25/14 17:41	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B77-1 **Lab ID: 35138508005** Collected: 05/19/14 10:30 Received: 05/19/14 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Bromoform	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/25/14 17:41	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/25/14 17:41	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	56-23-5	
Chlorobenzene	1.8	ug/L	1.0	0.50	1		05/25/14 17:41	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/25/14 17:41	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/25/14 17:41	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/25/14 17:41	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 17:41	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 17:41	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/25/14 17:41	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/25/14 17:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/25/14 17:41	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/25/14 17:41	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	127-18-4	
Toluene	0.79 U	ug/L	1.0	0.50	1		05/25/14 17:41	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/25/14 17:41	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/25/14 17:41	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/25/14 17:41	75-01-4	
Xylene (Total)	3.3	ug/L	1.0	0.50	1		05/25/14 17:41	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92 %		70-114		1		05/25/14 17:41	460-00-4	
1,2-Dichloroethane-d4 (S)	100 %		86-125		1		05/25/14 17:41	17060-07-0	
Toluene-d8 (S)	98 %		87-113		1		05/25/14 17:41	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B77-1		Lab ID: 35138508005		Collected: 05/19/14 10:30		Received: 05/19/14 16:45		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	1300	mg/L	10.0	10.0	1		05/22/14 08:40		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	297	mg/L	25.0	12.5	5		05/23/14 02:09	16887-00-6	
Sulfate	2.5U	mg/L	5.0	2.5	1		05/27/14 12:31	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	0.088	mg/L	0.050	0.020	1		05/23/14 15:48	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	0.029U	mg/L	0.050	0.029	1		05/22/14 18:23		

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B76-6 Lab ID: 35138508006 Collected: 05/19/14 11:33 Received: 05/19/14 16:45 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.19	Std. Units			1		05/19/14 11:33		
Field Temperature	23.46	deg C			1		05/19/14 11:33		
Appearance	Color: none, Sheen: none				1		05/19/14 11:33		
Field Specific Conductance	1764	umhos/cm			1		05/19/14 11:33		
Oxygen, Dissolved	0.20	mg/L			1		05/19/14 11:33	7782-44-7	
REDOX	-56.2	mV			1		05/19/14 11:33		
Turbidity	0.64	NTU			1		05/19/14 11:33		
Depth to Water	7.80	feet			1		05/19/14 11:33		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0055U	ug/L	0.022	0.0055	1	05/22/14 23:30	05/24/14 09:58	96-12-8	
1,2-Dibromoethane (EDB)	0.0069U	ug/L	0.011	0.0069	1	05/22/14 23:30	05/24/14 09:58	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:51	7440-38-2	
Barium	124	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:51	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:51	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:51	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:51	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:51	7440-48-4	
Copper	3.4 I	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:51	7440-50-8	
Iron	33400	ug/L	40.0	20.0	1	05/23/14 03:20	05/23/14 21:51	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:51	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:51	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	05/23/14 03:20	05/23/14 21:51	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:51	7440-22-4	
Sodium	132	mg/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:51	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:51	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	05/23/14 03:20	05/23/14 21:51	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 13:47	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 13:47	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	05/23/14 14:47	05/24/14 09:28	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		05/25/14 18:07	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/25/14 18:07	107-13-1	
Benzene	11.8	ug/L	1.0	0.10	1		05/25/14 18:07	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/25/14 18:07	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B76-6 **Lab ID: 35138508006** Collected: 05/19/14 11:33 Received: 05/19/14 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Bromoform	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/25/14 18:07	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/25/14 18:07	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	56-23-5	
Chlorobenzene	2.6	ug/L	1.0	0.50	1		05/25/14 18:07	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/25/14 18:07	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/25/14 18:07	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/25/14 18:07	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 18:07	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 18:07	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/25/14 18:07	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/25/14 18:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/25/14 18:07	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/25/14 18:07	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/25/14 18:07	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/25/14 18:07	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/25/14 18:07	75-01-4	
Xylene (Total)	1.8	ug/L	1.0	0.50	1		05/25/14 18:07	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90 %		70-114		1		05/25/14 18:07	460-00-4	
1,2-Dichloroethane-d4 (S)	98 %		86-125		1		05/25/14 18:07	17060-07-0	
Toluene-d8 (S)	98 %		87-113		1		05/25/14 18:07	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B76-6		Lab ID: 35138508006		Collected: 05/19/14 11:33		Received: 05/19/14 16:45		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	1250	mg/L	10.0	10.0	1		05/22/14 08:40		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	288	mg/L	25.0	12.5	5		05/23/14 02:25	16887-00-6	
Sulfate	2.5U	mg/L	5.0	2.5	1		05/27/14 12:52	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	0.082	mg/L	0.050	0.020	1		05/23/14 15:49	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	0.029U	mg/L	0.050	0.029	1		05/22/14 18:25		

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B76-1 Lab ID: 35138508007 Collected: 05/19/14 12:23 Received: 05/19/14 16:45 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	5.90	Std. Units			1		05/19/14 12:23		
Field Temperature	23.54	deg C			1		05/19/14 12:23		
Appearance	Color: none, Sheen: none				1		05/19/14 12:23		
Field Specific Conductance	1658	umhos/cm			1		05/19/14 12:23		
Oxygen, Dissolved	0.21	mg/L			1		05/19/14 12:23	7782-44-7	
REDOX	-32.9	mV			1		05/19/14 12:23		
Turbidity	0.81	NTU			1		05/19/14 12:23		
Depth to Water	3.85	feet			1		05/19/14 12:23		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0055U	ug/L	0.022	0.0055	1	05/22/14 23:30	05/24/14 10:14	96-12-8	
1,2-Dibromoethane (EDB)	0.0069U	ug/L	0.011	0.0069	1	05/22/14 23:30	05/24/14 10:14	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.3 I	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:55	7440-38-2	
Barium	214	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:55	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:55	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:55	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:55	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:55	7440-48-4	
Copper	5.1	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:55	7440-50-8	
Iron	55700	ug/L	40.0	20.0	1	05/23/14 03:20	05/23/14 21:55	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:55	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:55	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	05/23/14 03:20	05/23/14 21:55	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:55	7440-22-4	
Sodium	189	mg/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:55	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:55	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	05/23/14 03:20	05/23/14 21:55	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 13:50	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 13:50	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	05/23/14 14:47	05/24/14 09:30	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		05/25/14 18:32	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/25/14 18:32	107-13-1	
Benzene	21.2	ug/L	1.0	0.10	1		05/25/14 18:32	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/25/14 18:32	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B76-1 **Lab ID: 35138508007** Collected: 05/19/14 12:23 Received: 05/19/14 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Bromoform	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/25/14 18:32	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/25/14 18:32	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	56-23-5	
Chlorobenzene	4.7	ug/L	1.0	0.50	1		05/25/14 18:32	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/25/14 18:32	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/25/14 18:32	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	95-50-1	
1,4-Dichlorobenzene	0.69 I	ug/L	1.0	0.50	1		05/25/14 18:32	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/25/14 18:32	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 18:32	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 18:32	10061-02-6	
Ethylbenzene	0.60 I	ug/L	1.0	0.50	1		05/25/14 18:32	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/25/14 18:32	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/25/14 18:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/25/14 18:32	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/25/14 18:32	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	127-18-4	
Toluene	0.57 I	ug/L	1.0	0.50	1		05/25/14 18:32	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/25/14 18:32	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/25/14 18:32	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/25/14 18:32	75-01-4	
Xylene (Total)	3.1	ug/L	1.0	0.50	1		05/25/14 18:32	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90 %		70-114		1		05/25/14 18:32	460-00-4	
1,2-Dichloroethane-d4 (S)	100 %		86-125		1		05/25/14 18:32	17060-07-0	
Toluene-d8 (S)	99 %		87-113		1		05/25/14 18:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B76-1		Lab ID: 35138508007		Collected: 05/19/14 12:23		Received: 05/19/14 16:45		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	1100	mg/L	10.0	10.0	1		05/22/14 08:40		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	326	mg/L	25.0	12.5	5		05/23/14 02:40	16887-00-6	
Sulfate	12.5U	mg/L	25.0	12.5	5		05/23/14 02:40	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	0.069	mg/L	0.050	0.020	1		05/23/14 15:50	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	0.029U	mg/L	0.050	0.029	1		05/22/14 18:29		

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B82-1 Lab ID: 35138508008 Collected: 05/19/14 13:12 Received: 05/19/14 16:45 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.23	Std. Units			1		05/19/14 13:12		
Field Temperature	24.24	deg C			1		05/19/14 13:12		
Appearance	Color: none, Sheen: none				1		05/19/14 13:12		
Field Specific Conductance	400	umhos/cm			1		05/19/14 13:12		
Oxygen, Dissolved	0.20	mg/L			1		05/19/14 13:12	7782-44-7	
REDOX	-36.1	mV			1		05/19/14 13:12		
Turbidity	2.33	NTU			1		05/19/14 13:12		
Depth to Water	6.85	feet			1		05/19/14 13:12		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0054U	ug/L	0.022	0.0054	1	05/22/14 23:30	05/24/14 10:29	96-12-8	
1,2-Dibromoethane (EDB)	0.0069U	ug/L	0.011	0.0069	1	05/22/14 23:30	05/24/14 10:29	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:59	7440-38-2	
Barium	41.6	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:59	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:59	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:59	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:59	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:59	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:59	7440-50-8	
Iron	11000	ug/L	40.0	20.0	1	05/23/14 03:20	05/23/14 21:59	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:59	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:59	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	05/23/14 03:20	05/23/14 21:59	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 21:59	7440-22-4	
Sodium	13.8	mg/L	1.0	0.50	1	05/23/14 03:20	05/23/14 21:59	7440-23-5	
Vanadium	5.8 I	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 21:59	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	05/23/14 03:20	05/23/14 21:59	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 13:54	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 13:54	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	05/23/14 14:47	05/24/14 09:32	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		05/25/14 18:58	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/25/14 18:58	107-13-1	
Benzene	0.10U	ug/L	1.0	0.10	1		05/25/14 18:58	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/25/14 18:58	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B82-1 **Lab ID: 35138508008** Collected: 05/19/14 13:12 Received: 05/19/14 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Bromoform	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/25/14 18:58	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/25/14 18:58	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/25/14 18:58	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/25/14 18:58	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/25/14 18:58	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 18:58	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 18:58	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/25/14 18:58	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/25/14 18:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/25/14 18:58	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/25/14 18:58	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/25/14 18:58	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/25/14 18:58	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		05/25/14 18:58	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94 %		70-114		1		05/25/14 18:58	460-00-4	
1,2-Dichloroethane-d4 (S)	102 %		86-125		1		05/25/14 18:58	17060-07-0	
Toluene-d8 (S)	99 %		87-113		1		05/25/14 18:58	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B82-1		Lab ID: 35138508008		Collected: 05/19/14 13:12		Received: 05/19/14 16:45		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	300	mg/L	5.0	5.0	1		05/22/14 08:40		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	43.4	mg/L	5.0	2.5	1		05/23/14 02:55	16887-00-6	
Sulfate	37.0	mg/L	5.0	2.5	1		05/23/14 02:55	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	0.082	mg/L	0.050	0.020	1		05/23/14 15:51	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	0.029U	mg/L	0.050	0.029	1		05/22/14 18:30		Q

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B87-F		Lab ID: 35138508009		Collected: 05/19/14 14:55		Received: 05/19/14 16:45		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
Field pH	7.08	Std. Units			1		05/19/14 14:55		
Field Temperature	23.20	deg C			1		05/19/14 14:55		
Appearance	Color: none, Sheen: none				1		05/19/14 14:55		
Field Specific Conductance	607	umhos/cm			1		05/19/14 14:55		
Oxygen, Dissolved	0.20	mg/L			1		05/19/14 14:55	7782-44-7	
REDOX	-63.3	mV			1		05/19/14 14:55		
Turbidity	0.11	NTU			1		05/19/14 14:55		
Depth to Water	12.70	feet			1		05/19/14 14:55		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	0.0052U	ug/L	0.021	0.0052	1	05/22/14 23:30	05/24/14 10:45	96-12-8	
1,2-Dibromoethane (EDB)	0.0066U	ug/L	0.011	0.0066	1	05/22/14 23:30	05/24/14 10:45	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:48	7440-38-2	
Barium	18.5	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:48	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/24/14 21:48	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/24/14 21:48	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/24/14 21:48	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:48	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/24/14 21:48	7440-50-8	
Iron	177	ug/L	40.0	20.0	1	05/23/14 03:20	05/24/14 21:48	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:48	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/24/14 21:48	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	05/23/14 03:20	05/24/14 21:48	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/24/14 21:48	7440-22-4	
Sodium	27.0	mg/L	1.0	0.50	1	05/23/14 03:20	05/24/14 21:48	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:48	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	05/23/14 03:20	05/24/14 21:48	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 13:57	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 13:57	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	0.10U	ug/L	0.20	0.10	1	05/23/14 14:47	05/24/14 09:34	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
Acetone	10.0U	ug/L	20.0	10.0	1		05/25/14 19:23	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/25/14 19:23	107-13-1	
Benzene	0.10U	ug/L	1.0	0.10	1		05/25/14 19:23	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/25/14 19:23	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B87-F **Lab ID: 35138508009** Collected: 05/19/14 14:55 Received: 05/19/14 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Bromoform	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/25/14 19:23	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/25/14 19:23	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/25/14 19:23	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/25/14 19:23	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/25/14 19:23	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 19:23	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 19:23	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/25/14 19:23	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/25/14 19:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/25/14 19:23	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/25/14 19:23	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/25/14 19:23	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/25/14 19:23	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		05/25/14 19:23	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91 %		70-114		1		05/25/14 19:23	460-00-4	
1,2-Dichloroethane-d4 (S)	102 %		86-125		1		05/25/14 19:23	17060-07-0	
Toluene-d8 (S)	98 %		87-113		1		05/25/14 19:23	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B87-F		Lab ID: 35138508009		Collected: 05/19/14 14:55		Received: 05/19/14 16:45		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	370	mg/L	5.0	5.0	1		05/22/14 08:41		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	38.9	mg/L	5.0	2.5	1		05/23/14 03:41	16887-00-6	
Sulfate	2.5U	mg/L	5.0	2.5	1		05/23/14 03:41	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	0.33	mg/L	0.050	0.020	1		05/23/14 15:54	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrogen, Nitrate	0.029U	mg/L	0.050	0.029	1		05/22/14 18:31		Q

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B87-6 Lab ID: 35138508010 Collected: 05/19/14 15:47 Received: 05/19/14 16:45 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.79	Std. Units			1		05/19/14 15:47		
Field Temperature	23.08	deg C			1		05/19/14 15:47		
Appearance	Color: none, Sheen: none				1		05/19/14 15:47		
Field Specific Conductance	544	umhos/cm			1		05/19/14 15:47		
Oxygen, Dissolved	0.23	mg/L			1		05/19/14 15:47	7782-44-7	
REDOX	-102.5	mV			1		05/19/14 15:47		
Turbidity	0.87	NTU			1		05/19/14 15:47		
Depth to Water	10.20	feet			1		05/19/14 15:47		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0054U	ug/L	0.022	0.0054	1	05/22/14 23:30	05/24/14 11:00	96-12-8	
1,2-Dibromoethane (EDB)	0.0068U	ug/L	0.011	0.0068	1	05/22/14 23:30	05/24/14 11:00	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 22:29	7440-38-2	
Barium	25.4	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 22:29	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/23/14 22:29	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/23/14 22:29	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 22:29	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 22:29	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 22:29	7440-50-8	
Iron	2930	ug/L	40.0	20.0	1	05/23/14 03:20	05/23/14 22:29	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 22:29	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 22:29	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	05/23/14 03:20	05/23/14 22:29	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/23/14 22:29	7440-22-4	
Sodium	23.9	mg/L	1.0	0.50	1	05/23/14 03:20	05/23/14 22:29	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/23/14 22:29	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	05/23/14 03:20	05/23/14 22:29	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 14:01	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/27/14 14:01	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	05/23/14 14:47	05/24/14 09:36	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		05/25/14 11:30	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/25/14 11:30	107-13-1	
Benzene	0.10U	ug/L	1.0	0.10	1		05/25/14 11:30	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/25/14 11:30	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B87-6 **Lab ID: 35138508010** Collected: 05/19/14 15:47 Received: 05/19/14 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Bromoform	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/25/14 11:30	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/25/14 11:30	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/25/14 11:30	74-87-3	L3
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/25/14 11:30	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/25/14 11:30	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 11:30	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 11:30	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/25/14 11:30	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/25/14 11:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/25/14 11:30	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/25/14 11:30	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/25/14 11:30	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/25/14 11:30	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		05/25/14 11:30	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101 %		70-114		1		05/25/14 11:30	460-00-4	
1,2-Dichloroethane-d4 (S)	91 %		86-125		1		05/25/14 11:30	17060-07-0	
Toluene-d8 (S)	99 %		87-113		1		05/25/14 11:30	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: B87-6		Lab ID: 35138508010		Collected: 05/19/14 15:47		Received: 05/19/14 16:45		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	357	mg/L	5.0	5.0	1		05/22/14 08:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	28.1	mg/L	5.0	2.5	1		05/23/14 03:56	16887-00-6	
Sulfate	22.0	mg/L	5.0	2.5	1		05/23/14 03:56	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	0.073	mg/L	0.050	0.020	1		05/23/14 15:55	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	0.029U	mg/L	0.050	0.029	1		05/22/14 18:32		Q

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: Trip Blank 5/19/14 **Lab ID:** 35138508011 **Collected:** 05/19/14 00:00 **Received:** 05/19/14 16:45 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Acetone	10.0U	ug/L	20.0	10.0	1		05/25/14 10:40	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/25/14 10:40	107-13-1	
Benzene	0.10U	ug/L	1.0	0.10	1		05/25/14 10:40	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/25/14 10:40	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/25/14 10:40	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/25/14 10:40	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/25/14 10:40	74-87-3	L3
1,2-Dibromo-3-chloropropane	1.0U	ug/L	2.0	1.0	1		05/25/14 10:40	96-12-8	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/25/14 10:40	124-48-1	
1,2-Dibromoethane (EDB)	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	106-93-4	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/25/14 10:40	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 10:40	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 10:40	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/25/14 10:40	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/25/14 10:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/25/14 10:40	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/25/14 10:40	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/25/14 10:40	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/25/14 10:40	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	75-01-4	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Sample: Trip Blank 5/19/14 Lab ID: 35138508011 Collected: 05/19/14 00:00 Received: 05/19/14 16:45 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		05/25/14 10:40	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-114		1		05/25/14 10:40	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	86-125		1		05/25/14 10:40	17060-07-0	
Toluene-d8 (S)	97	%	87-113		1		05/25/14 10:40	2037-26-5	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

QC Batch:	MERP/4657	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury
Associated Lab Samples:	35138508001, 35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009, 35138508010		

METHOD BLANK: 911024 Matrix: Water
Associated Lab Samples: 35138508001, 35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009, 35138508010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	05/24/14 08:36	

LABORATORY CONTROL SAMPLE: 911025

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: 911026 911027

Parameter	Units	35137589001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10U	2	2	2.0	2.0	100	100	80-120	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

QC Batch:	MPRP/18620	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
Associated Lab Samples:	35138508001, 35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009, 35138508010		

METHOD BLANK: 909615

Matrix: Water

Associated Lab Samples: 35138508001, 35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009, 35138508010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	05/24/14 21:31	
Barium	ug/L	5.0U	10.0	05/24/14 21:31	
Beryllium	ug/L	0.50U	1.0	05/24/14 21:31	
Cadmium	ug/L	0.50U	1.0	05/24/14 21:31	
Chromium	ug/L	2.5U	5.0	05/24/14 21:31	
Cobalt	ug/L	5.0U	10.0	05/24/14 21:31	
Copper	ug/L	2.5U	5.0	05/24/14 21:31	
Iron	ug/L	20.0U	40.0	05/24/14 21:31	
Lead	ug/L	5.0U	10.0	05/24/14 21:31	
Nickel	ug/L	2.5U	5.0	05/24/14 21:31	
Selenium	ug/L	7.5U	15.0	05/24/14 21:31	
Silver	ug/L	2.5U	5.0	05/24/14 21:31	
Sodium	mg/L	0.50U	1.0	05/24/14 21:31	
Vanadium	ug/L	5.0U	10.0	05/24/14 21:31	
Zinc	ug/L	10.0U	20.0	05/24/14 21:31	

LABORATORY CONTROL SAMPLE: 909616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	254	102	80-120	
Barium	ug/L	250	268	107	80-120	
Beryllium	ug/L	25	26.0	104	80-120	
Cadmium	ug/L	25	26.3	105	80-120	
Chromium	ug/L	250	269	108	80-120	
Cobalt	ug/L	250	264	106	80-120	
Copper	ug/L	250	257	103	80-120	
Iron	ug/L	2500	2620	105	80-120	
Lead	ug/L	250	258	103	80-120	
Nickel	ug/L	250	264	106	80-120	
Selenium	ug/L	250	269	107	80-120	
Silver	ug/L	25	26.7	107	80-120	
Sodium	mg/L	12.5	13.1	104	80-120	
Vanadium	ug/L	250	261	104	80-120	
Zinc	ug/L	1250	1300	104	80-120	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909617											
909618											
Parameter	Units	35138138001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Arsenic	ug/L	<5.0	250	250	256	259	102	103	75-125	1	20
Barium	ug/L	9.4 l	250	250	277	280	107	108	75-125	1	20
Beryllium	ug/L	<0.50	25	25	26.0	26.7	104	106	75-125	3	20
Cadmium	ug/L	<0.50	25	25	25.8	26.1	103	104	75-125	1	20
Chromium	ug/L	<2.5	250	250	269	270	107	108	75-125	.4	20
Cobalt	ug/L	<5.0	250	250	264	266	105	106	75-125	.8	20
Copper	ug/L	<2.5	250	250	267	271	106	108	75-125	2	20
Iron	ug/L	32.8 l	2500	2500	2620	2670	103	105	75-125	2	20
Lead	ug/L	<5.0	250	250	259	261	104	104	75-125	.9	20
Nickel	ug/L	<2.5	250	250	263	264	105	106	75-125	.5	20
Selenium	ug/L	<7.5	250	250	262	265	105	106	75-125	.9	20
Silver	ug/L	<2.5	25	25	27.1	27.0	108	108	75-125	.1	20
Sodium	mg/L	32.5	12.5	12.5	44.4	44.7	95	98	75-125	.8	20
Vanadium	ug/L	<5.0	250	250	264	265	105	106	75-125	.4	20
Zinc	ug/L	<10.0	1250	1250	1300	1320	104	105	75-125	1	20

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

QC Batch:	MPRP/18621	Analysis Method:	EPA 6020
QC Batch Method:	EPA 3010	Analysis Description:	6020 MET
Associated Lab Samples:	35138508001, 35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009, 35138508010		

METHOD BLANK: 909619 Matrix: Water
Associated Lab Samples: 35138508001, 35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009, 35138508010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	05/27/14 12:31	
Thallium	ug/L	0.50U	1.0	05/27/14 12:31	

LABORATORY CONTROL SAMPLE: 909620

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	45.4	91	80-120	
Thallium	ug/L	50	46.3	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909621 909622

Parameter	Units	35138138002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	<0.50	50	50	44.0	43.9	88	87	75-125	.2	20	
Thallium	ug/L	<0.50	50	50	48.0	48.3	96	97	75-125	.8	20	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

QC Batch:	MSV/11779	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	35138508001, 35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009		

METHOD BLANK:	912268	Matrix:	Water
Associated Lab Samples:	35138508001, 35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	05/25/14 10:23	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	05/25/14 10:23	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	05/25/14 10:23	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	05/25/14 10:23	
1,1-Dichloroethane	ug/L	0.50U	1.0	05/25/14 10:23	
1,1-Dichloroethene	ug/L	0.50U	1.0	05/25/14 10:23	
1,2,3-Trichloropropane	ug/L	0.59U	1.0	05/25/14 10:23	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	05/25/14 10:23	
1,2-Dichloroethane	ug/L	0.50U	1.0	05/25/14 10:23	
1,2-Dichloropropane	ug/L	0.50U	1.0	05/25/14 10:23	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	05/25/14 10:23	
2-Butanone (MEK)	ug/L	5.0U	10.0	05/25/14 10:23	
2-Hexanone	ug/L	5.0U	10.0	05/25/14 10:23	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	05/25/14 10:23	
Acetone	ug/L	10.0U	20.0	05/25/14 10:23	
Acrylonitrile	ug/L	5.0U	10.0	05/25/14 10:23	
Benzene	ug/L	0.10U	1.0	05/25/14 10:23	
Bromochloromethane	ug/L	0.50U	1.0	05/25/14 10:23	
Bromodichloromethane	ug/L	0.27U	0.60	05/25/14 10:23	
Bromoform	ug/L	0.50U	1.0	05/25/14 10:23	
Bromomethane	ug/L	0.50U	1.0	05/25/14 10:23	
Carbon disulfide	ug/L	5.0U	10.0	05/25/14 10:23	
Carbon tetrachloride	ug/L	0.50U	1.0	05/25/14 10:23	
Chlorobenzene	ug/L	0.50U	1.0	05/25/14 10:23	
Chloroethane	ug/L	0.50U	1.0	05/25/14 10:23	
Chloroform	ug/L	0.50U	1.0	05/25/14 10:23	
Chloromethane	ug/L	0.62U	1.0	05/25/14 10:23	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	05/25/14 10:23	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	05/25/14 10:23	
Dibromochloromethane	ug/L	0.26U	0.50	05/25/14 10:23	
Dibromomethane	ug/L	0.50U	1.0	05/25/14 10:23	
Ethylbenzene	ug/L	0.50U	1.0	05/25/14 10:23	
Iodomethane	ug/L	0.50U	1.0	05/25/14 10:23	
Methylene Chloride	ug/L	2.5U	5.0	05/25/14 10:23	
Styrene	ug/L	0.50U	1.0	05/25/14 10:23	
Tetrachloroethene	ug/L	0.50U	1.0	05/25/14 10:23	
Toluene	ug/L	0.50U	1.0	05/25/14 10:23	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	05/25/14 10:23	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	05/25/14 10:23	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	05/25/14 10:23	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

METHOD BLANK: 912268

Matrix: Water

Associated Lab Samples: 35138508001, 35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	0.50U	1.0	05/25/14 10:23	
Trichlorofluoromethane	ug/L	0.50U	1.0	05/25/14 10:23	
Vinyl acetate	ug/L	1.0U	2.0	05/25/14 10:23	
Vinyl chloride	ug/L	0.50U	1.0	05/25/14 10:23	
Xylene (Total)	ug/L	0.50U	1.0	05/25/14 10:23	
1,2-Dichloroethane-d4 (S)	%	98	86-125	05/25/14 10:23	
4-Bromofluorobenzene (S)	%	100	70-114	05/25/14 10:23	
Toluene-d8 (S)	%	99	87-113	05/25/14 10:23	

LABORATORY CONTROL SAMPLE: 912269

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.3	101	70-130	
1,1,1-Trichloroethane	ug/L	20	19.5	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.2	101	70-130	
1,1,2-Trichloroethane	ug/L	20	19.7	98	70-130	
1,1-Dichloroethane	ug/L	20	19.9	100	70-130	
1,1-Dichloroethene	ug/L	20	19.4	97	70-130	
1,2,3-Trichloropropane	ug/L	20	17.2	86	70-130	
1,2-Dichlorobenzene	ug/L	20	19.5	97	70-130	
1,2-Dichloroethane	ug/L	20	18.3	92	70-130	
1,2-Dichloropropane	ug/L	20	16.9	84	70-130	
1,4-Dichlorobenzene	ug/L	20	19.6	98	70-130	
2-Butanone (MEK)	ug/L	40	44.3	111	55-167	
2-Hexanone	ug/L	40	39.6	99	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	39.3	98	70-130	
Acetone	ug/L	40	45.8	114	40-150	
Acrylonitrile	ug/L	200	208	104	70-130	
Benzene	ug/L	20	20.0	100	70-130	
Bromochloromethane	ug/L	20	22.3	112	70-130	
Bromodichloromethane	ug/L	20	18.9	94	70-130	
Bromoform	ug/L	20	19.8	99	68-130	
Bromomethane	ug/L	20	27.6	138	38-179	
Carbon disulfide	ug/L	20	24.1	120	51-155	
Carbon tetrachloride	ug/L	20	19.9	100	70-130	
Chlorobenzene	ug/L	20	19.8	99	70-130	
Chloroethane	ug/L	20	18.4	92	59-149	
Chloroform	ug/L	20	19.5	97	70-130	
Chloromethane	ug/L	20	24.4	122	68-130	
cis-1,2-Dichloroethene	ug/L	20	19.2	96	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.2	86	70-130	
Dibromochloromethane	ug/L	20	20.6	103	70-130	
Dibromomethane	ug/L	20	20.2	101	70-130	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

LABORATORY CONTROL SAMPLE: 912269

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	20	19.6	98	70-130	
Iodomethane	ug/L	40	40.6	101	43-160	
Methylene Chloride	ug/L	20	19.1	96	70-130	
Styrene	ug/L	20	19.3	97	70-130	
Tetrachloroethene	ug/L	20	17.5	88	66-133	
Toluene	ug/L	20	19.7	98	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.4	102	70-130	
trans-1,3-Dichloropropene	ug/L	20	17.7	88	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	21.8	109	65-130	
Trichloroethene	ug/L	20	19.7	99	70-130	
Trichlorofluoromethane	ug/L	20	20.2	101	70-131	
Vinyl acetate	ug/L	20	20.3	102	69-135	
Vinyl chloride	ug/L	20	22.4	112	69-140	
Xylene (Total)	ug/L	60	58.6	98	70-130	
1,2-Dichloroethane-d4 (S)	%			91	86-125	
4-Bromofluorobenzene (S)	%			104	70-114	
Toluene-d8 (S)	%			100	87-113	

MATRIX SPIKE SAMPLE: 912728

Parameter	Units	35138508003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	22.0	110	39-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	23.0	115	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	22.9	115	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	21.5	107	50-130	
1,1-Dichloroethane	ug/L	0.50U	20	22.7	114	54-137	
1,1-Dichloroethene	ug/L	0.50U	20	22.5	113	45-155	
1,2,3-Trichloropropane	ug/L	0.59U	20	19.1	95	31-132	
1,2-Dichlorobenzene	ug/L	0.50U	20	21.6	108	43-130	
1,2-Dichloroethane	ug/L	0.50U	20	20.9	104	54-130	
1,2-Dichloropropane	ug/L	0.50U	20	19.1	95	53-130	
1,4-Dichlorobenzene	ug/L	0.50U	20	21.6	107	38-130	
2-Butanone (MEK)	ug/L	5.0U	40	40.5	101	48-138	
2-Hexanone	ug/L	5.0U	40	38.2	95	38-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	37.4	94	28-143	
Acetone	ug/L	10.0U	40	47.8	103	20-140	
Acrylonitrile	ug/L	5.0U	200	201	101	46-130	
Benzene	ug/L	10.4	20	33.4	115	53-132	
Bromochloromethane	ug/L	0.50U	20	23.3	116	54-132	
Bromodichloromethane	ug/L	0.27U	20	20.9	105	46-130	
Bromoform	ug/L	0.50U	20	19.0	95	32-130	
Bromomethane	ug/L	0.50U	20	13.6	68	20-152	
Carbon disulfide	ug/L	5.0U	20	22.6	113	28-184	
Carbon tetrachloride	ug/L	0.50U	20	23.0	115	37-137	
Chlorobenzene	ug/L	6.0	20	27.8	109	46-130	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

MATRIX SPIKE SAMPLE: 912728		35138508003	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Chloroethane	ug/L	0.50U	20	24.0	120	48-159	
Chloroform	ug/L	0.50U	20	22.5	113	51-130	
Chloromethane	ug/L	0.62U	20	19.7	99	39-144	
cis-1,2-Dichloroethene	ug/L	0.50U	20	22.1	111	54-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	17.8	89	45-130	
Dibromochloromethane	ug/L	0.26U	20	20.9	105	43-130	
Dibromomethane	ug/L	0.50U	20	20.7	104	50-130	
Ethylbenzene	ug/L	0.50U	20	22.4	112	43-130	
Iodomethane	ug/L	0.50U	40	36.1	90	20-169	
Methylene Chloride	ug/L	2.5U	20	21.6	108	51-135	
Styrene	ug/L	0.50U	20	21.4	107	40-130	
Tetrachloroethene	ug/L	0.50U	20	19.0	95	26-130	
Toluene	ug/L	0.50U	20	22.8	112	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	21.2	106	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	17.8	89	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	17.7	89	20-139	
Trichloroethene	ug/L	0.50U	20	22.7	113	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	24.7	123	46-146	
Vinyl acetate	ug/L	1.0U	20	15.9	80	20-165	
Vinyl chloride	ug/L	0.50U	20	24.9	125	57-142	
Xylene (Total)	ug/L	2.3	60	67.9	109	42-130	
1,2-Dichloroethane-d4 (S)	%				92	86-125	
4-Bromofluorobenzene (S)	%				97	70-114	
Toluene-d8 (S)	%				99	87-113	

SAMPLE DUPLICATE: 912727

Parameter	Units	35138508002	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.59U	0.59U		40	
1,2-Dichlorobenzene	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane	ug/L	0.50U	0.50U		40	
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,4-Dichlorobenzene	ug/L	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	10.5	10.5	.3	40	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

SAMPLE DUPLICATE: 912727

Parameter	Units	35138508002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromochloromethane	ug/L	0.50U	0.50U		40	
Bromodichloromethane	ug/L	0.27U	0.27U		40	
Bromoform	ug/L	0.50U	0.50U		40	
Bromomethane	ug/L	0.50U	0.50U		40	
Carbon disulfide	ug/L	5.0U	5.0U		40	
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	6.1	6.0	.8	40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	
Chloromethane	ug/L	0.62U	0.62U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.50U	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	2.3	2.3	2	40	
1,2-Dichloroethane-d4 (S)	%	100	99	.5		
4-Bromofluorobenzene (S)	%	93	93	.8		
Toluene-d8 (S)	%	98	99	.3		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

QC Batch: MSV/11780

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 35138508010, 35138508011

METHOD BLANK: 912270

Matrix: Water

Associated Lab Samples: 35138508010, 35138508011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	05/25/14 10:15	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	05/25/14 10:15	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	05/25/14 10:15	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	05/25/14 10:15	
1,1-Dichloroethane	ug/L	0.50U	1.0	05/25/14 10:15	
1,1-Dichloroethene	ug/L	0.50U	1.0	05/25/14 10:15	
1,2,3-Trichloropropane	ug/L	0.59U	1.0	05/25/14 10:15	
1,2-Dibromo-3-chloropropane	ug/L	1.0U	2.0	05/25/14 10:15	
1,2-Dibromoethane (EDB)	ug/L	0.50U	1.0	05/25/14 10:15	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	05/25/14 10:15	
1,2-Dichloroethane	ug/L	0.50U	1.0	05/25/14 10:15	
1,2-Dichloropropane	ug/L	0.50U	1.0	05/25/14 10:15	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	05/25/14 10:15	
2-Butanone (MEK)	ug/L	5.0U	10.0	05/25/14 10:15	
2-Hexanone	ug/L	5.0U	10.0	05/25/14 10:15	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	05/25/14 10:15	
Acetone	ug/L	10.0U	20.0	05/25/14 10:15	
Acrylonitrile	ug/L	5.0U	10.0	05/25/14 10:15	
Benzene	ug/L	0.10U	1.0	05/25/14 10:15	
Bromochloromethane	ug/L	0.50U	1.0	05/25/14 10:15	
Bromodichloromethane	ug/L	0.27U	0.60	05/25/14 10:15	
Bromoform	ug/L	0.50U	1.0	05/25/14 10:15	
Bromomethane	ug/L	0.50U	1.0	05/25/14 10:15	
Carbon disulfide	ug/L	5.0U	10.0	05/25/14 10:15	
Carbon tetrachloride	ug/L	0.50U	1.0	05/25/14 10:15	
Chlorobenzene	ug/L	0.50U	1.0	05/25/14 10:15	
Chloroethane	ug/L	0.50U	1.0	05/25/14 10:15	
Chloroform	ug/L	0.50U	1.0	05/25/14 10:15	
Chloromethane	ug/L	0.62U	1.0	05/25/14 10:15	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	05/25/14 10:15	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	05/25/14 10:15	
Dibromochloromethane	ug/L	0.26U	0.50	05/25/14 10:15	
Dibromomethane	ug/L	0.50U	1.0	05/25/14 10:15	
Ethylbenzene	ug/L	0.50U	1.0	05/25/14 10:15	
Iodomethane	ug/L	0.50U	1.0	05/25/14 10:15	
Methylene Chloride	ug/L	2.5U	5.0	05/25/14 10:15	
Styrene	ug/L	0.50U	1.0	05/25/14 10:15	
Tetrachloroethene	ug/L	0.50U	1.0	05/25/14 10:15	
Toluene	ug/L	0.50U	1.0	05/25/14 10:15	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	05/25/14 10:15	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	05/25/14 10:15	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

METHOD BLANK: 912270

Matrix: Water

Associated Lab Samples: 35138508010, 35138508011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	05/25/14 10:15	
Trichloroethene	ug/L	0.50U	1.0	05/25/14 10:15	
Trichlorofluoromethane	ug/L	0.50U	1.0	05/25/14 10:15	
Vinyl acetate	ug/L	1.0U	2.0	05/25/14 10:15	
Vinyl chloride	ug/L	0.50U	1.0	05/25/14 10:15	
Xylene (Total)	ug/L	0.50U	1.0	05/25/14 10:15	
1,2-Dichloroethane-d4 (S)	%	93	86-125	05/25/14 10:15	
4-Bromofluorobenzene (S)	%	97	70-114	05/25/14 10:15	
Toluene-d8 (S)	%	97	87-113	05/25/14 10:15	

LABORATORY CONTROL SAMPLE: 912271

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.4	102	70-130	
1,1,1-Trichloroethane	ug/L	20	17.4	87	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	16.8	84	70-130	
1,1,2-Trichloroethane	ug/L	20	19.7	98	70-130	
1,1-Dichloroethane	ug/L	20	16.8	84	70-130	
1,1-Dichloroethene	ug/L	20	17.3	87	70-130	
1,2,3-Trichloropropane	ug/L	20	14.6	73	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	18.8	94	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	20.9	104	70-130	
1,2-Dichlorobenzene	ug/L	20	18.9	94	70-130	
1,2-Dichloroethane	ug/L	20	16.2	81	70-130	
1,2-Dichloropropane	ug/L	20	15.0	75	70-130	
1,4-Dichlorobenzene	ug/L	20	18.9	94	70-130	
2-Butanone (MEK)	ug/L	40	33.4	84	55-167	
2-Hexanone	ug/L	40	31.2	78	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	31.7	79	70-130	
Acetone	ug/L	40	39.4	98	40-150	
Acrylonitrile	ug/L	200	152	76	70-130	
Benzene	ug/L	20	18.7	94	70-130	
Bromochloromethane	ug/L	20	20.4	102	70-130	
Bromodichloromethane	ug/L	20	17.5	87	70-130	
Bromoform	ug/L	20	19.5	97	68-130	
Bromomethane	ug/L	20	24.1	121	38-179	
Carbon disulfide	ug/L	20	23.2	116	51-155	
Carbon tetrachloride	ug/L	20	18.6	93	70-130	
Chlorobenzene	ug/L	20	20.1	101	70-130	
Chloroethane	ug/L	20	20.2	101	59-149	
Chloroform	ug/L	20	18.1	90	70-130	
Chloromethane	ug/L	20	28.2	141	68-130 J(L0)	
cis-1,2-Dichloroethene	ug/L	20	17.4	87	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.0	85	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

LABORATORY CONTROL SAMPLE: 912271

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	20	19.8	99	70-130	
Dibromomethane	ug/L	20	19.2	96	70-130	
Ethylbenzene	ug/L	20	19.5	98	70-130	
Iodomethane	ug/L	40	54.2	135	43-160	
Methylene Chloride	ug/L	20	18.6	93	70-130	
Styrene	ug/L	20	20.1	100	70-130	
Tetrachloroethene	ug/L	20	19.0	95	66-133	
Toluene	ug/L	20	20.5	103	70-130	
trans-1,2-Dichloroethene	ug/L	20	16.0	80	70-130	
trans-1,3-Dichloropropene	ug/L	20	15.6	78	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	19.2	96	65-130	
Trichloroethene	ug/L	20	19.4	97	70-130	
Trichlorofluoromethane	ug/L	20	18.5	92	70-131	
Vinyl acetate	ug/L	20	15.2	76	69-135	
Vinyl chloride	ug/L	20	18.6	93	69-140	
Xylene (Total)	ug/L	60	59.7	100	70-130	
1,2-Dichloroethane-d4 (S)	%			82	86-125 J(S0)	
4-Bromofluorobenzene (S)	%			107	70-114	
Toluene-d8 (S)	%			96	87-113	

MATRIX SPIKE SAMPLE: 912843

Parameter	Units	35138843002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	22.9	114	39-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	22.1	111	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	17.7	89	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	19.8	99	50-130	
1,1-Dichloroethane	ug/L	0.50U	20	19.2	96	54-137	
1,1-Dichloroethene	ug/L	0.50U	20	23.0	115	45-155	
1,2,3-Trichloropropane	ug/L	0.59U	20	14.2	71	31-132	
1,2-Dibromo-3-chloropropane	ug/L	1.0U	20	17.8	89	37-130	
1,2-Dibromoethane (EDB)	ug/L	0.50U	20	21.1	105	51-132	
1,2-Dichlorobenzene	ug/L	0.50U	20	18.0	90	43-130	
1,2-Dichloroethane	ug/L	0.50U	20	19.1	96	54-130	
1,2-Dichloropropane	ug/L	0.50U	20	16.6	83	53-130	
1,4-Dichlorobenzene	ug/L	0.50U	20	19.1	95	38-130	
2-Butanone (MEK)	ug/L	5.0U	40	39.1	98	48-138	
2-Hexanone	ug/L	5.0U	40	35.2	88	38-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	33.8	85	28-143	
Acetone	ug/L	10.0U	40	42.7	107	20-140	
Acrylonitrile	ug/L	5.0U	200	155	78	46-130	
Benzene	ug/L	0.10U	20	21.1	105	53-132	
Bromochloromethane	ug/L	0.50U	20	23.7	118	54-132	
Bromodichloromethane	ug/L	0.27U	20	20.9	104	46-130	
Bromoform	ug/L	0.50U	20	19.3	96	32-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

MATRIX SPIKE SAMPLE: 912843		35138843002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromomethane	ug/L	0.50U	20	18.4	92	20-152	
Carbon disulfide	ug/L	5.0U	20	24.8	118	28-184	
Carbon tetrachloride	ug/L	0.50U	20	23.0	115	37-137	
Chlorobenzene	ug/L	0.50U	20	22.8	114	46-130	
Chloroethane	ug/L	0.50U	20	20.0	100	48-159	
Chloroform	ug/L	0.50U	20	21.0	105	51-130	
Chloromethane	ug/L	0.62U	20	27.6	138	39-144	
cis-1,2-Dichloroethene	ug/L	0.50U	20	19.9	100	54-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	16.8	84	45-130	
Dibromochloromethane	ug/L	0.26U	20	21.4	107	43-130	
Dibromomethane	ug/L	0.50U	20	21.3	107	50-130	
Ethylbenzene	ug/L	0.50U	20	21.9	109	43-130	
Iodomethane	ug/L	0.50U	40	49.5	124	20-169	
Methylene Chloride	ug/L	2.5U	20	21.4	107	51-135	
Styrene	ug/L	0.50U	20	21.6	108	40-130	
Tetrachloroethene	ug/L	0.50U	20	20.7	103	26-130	
Toluene	ug/L	0.50U	20	22.1	110	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	19.9	100	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	16.0	80	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	13.2	66	20-139	
Trichloroethene	ug/L	0.50U	20	22.5	112	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	24.4	122	46-146	
Vinyl acetate	ug/L	1.0U	20	16.1	80	20-165	
Vinyl chloride	ug/L	0.50U	20	20.7	104	57-142	
Xylene (Total)	ug/L	0.50U	60	65.9	110	42-130	
1,2-Dichloroethane-d4 (S)	%				85	86-125 J(S0)	
4-Bromofluorobenzene (S)	%				107	70-114	
Toluene-d8 (S)	%				98	87-113	

SAMPLE DUPLICATE: 912842

Parameter	Units	35138843001	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.59U	0.59U		40	
1,2-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	
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,4-Dichlorobenzene	ug/L	0.50U	0.50U		40	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

SAMPLE DUPLICATE: 912842

Parameter	Units	35138843001 Result	Dup Result	RPD	Max RPD	Qualifiers
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	0.10U	0.10U		40	
Bromochloromethane	ug/L	0.50U	0.50U		40	
Bromodichloromethane	ug/L	0.27U	0.27U		40	
Bromoform	ug/L	0.50U	0.50U		40	
Bromomethane	ug/L	0.50U	0.50U		40	
Carbon disulfide	ug/L	5.0U	5.0U		40	
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	0.50U	0.50U		40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	
Chloromethane	ug/L	0.62U	0.62U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.50U	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane-d4 (S)	%	89	95	7		
4-Bromofluorobenzene (S)	%	110	104	5		
Toluene-d8 (S)	%	96	101	5		

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

QC Batch:	OEXT/17428	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
Associated Lab Samples:	35138508001, 35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009, 35138508010		

METHOD BLANK: 909995 Matrix: Water
Associated Lab Samples: 35138508001, 35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009, 35138508010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	05/24/14 07:25	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	05/24/14 07:25	

LABORATORY CONTROL SAMPLE: 909996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.20	79	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.22	88	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909997 909998

Parameter	Units	35138508002 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	0.0052 U	.44	.44	0.45	0.51	102	116	60-140	12	40	
1,2-Dibromoethane (EDB)	ug/L	0.0066 U	.44	.44	0.56	0.59	128	136	60-140	6	40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

QC Batch:	WET/25106	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	35138508001, 35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009, 35138508010		

METHOD BLANK: 909085 Matrix: Water
Associated Lab Samples: 35138508001, 35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009, 35138508010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	05/22/14 08:37	

LABORATORY CONTROL SAMPLE: 909086

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	298	99	90-110	

SAMPLE DUPLICATE: 909151

Parameter	Units	35138508002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	970	952	2	20	

SAMPLE DUPLICATE: 909152

Parameter	Units	35138508003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	972	960	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

QC Batch:	WETA/36016	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
Associated Lab Samples:	35138508001, 35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009, 35138508010		

METHOD BLANK: 907034 Matrix: Water
Associated Lab Samples: 35138508001, 35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009, 35138508010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5U	5.0	05/23/14 00:23	
Sulfate	mg/L	2.5U	5.0	05/23/14 00:23	

LABORATORY CONTROL SAMPLE: 907035

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.6	101	90-110	
Sulfate	mg/L	50	50.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 907036 907037

Parameter	Units	35138508001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.5U	50	50	43.6	50.6	87	101	90-110	15	20	J(M1)
Sulfate	mg/L	2.5U	50	50	41.6	49.8	83	99	90-110	18	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 907038 907039

Parameter	Units	35138508008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	43.4	50	50	95.5	96.2	104	106	90-110	.7	20	
Sulfate	mg/L	37.0	50	50	89.0	89.6	104	105	90-110	.8	20	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

QC Batch: WETA/36116

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Associated Lab Samples: 35138508001

METHOD BLANK: 910730

Matrix: Water

Associated Lab Samples: 35138508001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.050	05/23/14 15:13	

LABORATORY CONTROL SAMPLE: 910731

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.96	96	90-110	

MATRIX SPIKE SAMPLE: 910733

Parameter	Units	35137597008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	1	0.98	97	90-110	

SAMPLE DUPLICATE: 910732

Parameter	Units	35137597008 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.020U		20	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

QC Batch:	WETA/36117	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009, 35138508010		

METHOD BLANK: 910736 Matrix: Water
Associated Lab Samples: 35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009, 35138508010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.050	05/23/14 15:40	

LABORATORY CONTROL SAMPLE: 910737

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.96	96	90-110	

MATRIX SPIKE SAMPLE: 910739

Parameter	Units	35138508002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.065	1	0.86	80	90-110	J(M1)

SAMPLE DUPLICATE: 910738

Parameter	Units	35138508002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.065	0.060	8	20	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

QC Batch:	WETA/36210	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples:	35138508001, 35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009, 35138508010		

METHOD BLANK: 913384 Matrix: Water
Associated Lab Samples: 35138508001, 35138508002, 35138508003, 35138508004, 35138508005, 35138508006, 35138508007, 35138508008, 35138508009, 35138508010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.029U	0.050	05/22/14 15:58	

LABORATORY CONTROL SAMPLE: 913385

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	0.94	94	90-110	

MATRIX SPIKE SAMPLE: 913390

Parameter	Units	35138481001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	0.029U	1	0.81	81	90-110	J(M1),Q

MATRIX SPIKE SAMPLE: 913393

Parameter	Units	35138508006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	0.029U	1	1.6	158	90-110	Q

SAMPLE DUPLICATE: 913389

Parameter	Units	35138481001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.029U	0.029U			Q

SAMPLE DUPLICATE: 913392

Parameter	Units	35138508006 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.029U	0.029U			Q

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QUALIFIERS

Project: Tomoka Benzene Remediation
Pace Project No.: 35138508

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

BATCH QUALIFIERS

Batch: WETA/36116
[1] Samples were not distilled
Batch: WETA/36117
[1] Samples were not distilled

ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J(L0) Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
J(M1) Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(S0) Estimated Value. Surrogate recovery outside laboratory control limits.
L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
Q Sample held beyond the accepted holding time.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35138508002	B45-1		FLD/		
35138508003	B45-1 Dup		FLD/		
35138508004	B45-2		FLD/		
35138508005	B77-1		FLD/		
35138508006	B76-6		FLD/		
35138508007	B76-1		FLD/		
35138508008	B82-1		FLD/		
35138508009	B87-F		FLD/		
35138508010	B87-6		FLD/		
35138508001	EQ Blank 5/19/14	EPA 8011	OEXT/17428	EPA 8011	GCSV/11404
35138508002	B45-1	EPA 8011	OEXT/17428	EPA 8011	GCSV/11404
35138508003	B45-1 Dup	EPA 8011	OEXT/17428	EPA 8011	GCSV/11404
35138508004	B45-2	EPA 8011	OEXT/17428	EPA 8011	GCSV/11404
35138508005	B77-1	EPA 8011	OEXT/17428	EPA 8011	GCSV/11404
35138508006	B76-6	EPA 8011	OEXT/17428	EPA 8011	GCSV/11404
35138508007	B76-1	EPA 8011	OEXT/17428	EPA 8011	GCSV/11404
35138508008	B82-1	EPA 8011	OEXT/17428	EPA 8011	GCSV/11404
35138508009	B87-F	EPA 8011	OEXT/17428	EPA 8011	GCSV/11404
35138508010	B87-6	EPA 8011	OEXT/17428	EPA 8011	GCSV/11404
35138508001	EQ Blank 5/19/14	EPA 3010	MPRP/18620	EPA 6010	ICP/11514
35138508002	B45-1	EPA 3010	MPRP/18620	EPA 6010	ICP/11514
35138508003	B45-1 Dup	EPA 3010	MPRP/18620	EPA 6010	ICP/11514
35138508004	B45-2	EPA 3010	MPRP/18620	EPA 6010	ICP/11514
35138508005	B77-1	EPA 3010	MPRP/18620	EPA 6010	ICP/11514
35138508006	B76-6	EPA 3010	MPRP/18620	EPA 6010	ICP/11514
35138508007	B76-1	EPA 3010	MPRP/18620	EPA 6010	ICP/11514
35138508008	B82-1	EPA 3010	MPRP/18620	EPA 6010	ICP/11514
35138508009	B87-F	EPA 3010	MPRP/18620	EPA 6010	ICP/11514
35138508010	B87-6	EPA 3010	MPRP/18620	EPA 6010	ICP/11514
35138508001	EQ Blank 5/19/14	EPA 3010	MPRP/18621	EPA 6020	ICPM/7527
35138508002	B45-1	EPA 3010	MPRP/18621	EPA 6020	ICPM/7527
35138508003	B45-1 Dup	EPA 3010	MPRP/18621	EPA 6020	ICPM/7527
35138508004	B45-2	EPA 3010	MPRP/18621	EPA 6020	ICPM/7527
35138508005	B77-1	EPA 3010	MPRP/18621	EPA 6020	ICPM/7527
35138508006	B76-6	EPA 3010	MPRP/18621	EPA 6020	ICPM/7527
35138508007	B76-1	EPA 3010	MPRP/18621	EPA 6020	ICPM/7527
35138508008	B82-1	EPA 3010	MPRP/18621	EPA 6020	ICPM/7527
35138508009	B87-F	EPA 3010	MPRP/18621	EPA 6020	ICPM/7527
35138508010	B87-6	EPA 3010	MPRP/18621	EPA 6020	ICPM/7527
35138508001	EQ Blank 5/19/14	EPA 7470	MERP/4657	EPA 7470	MERC/4654
35138508002	B45-1	EPA 7470	MERP/4657	EPA 7470	MERC/4654
35138508003	B45-1 Dup	EPA 7470	MERP/4657	EPA 7470	MERC/4654
35138508004	B45-2	EPA 7470	MERP/4657	EPA 7470	MERC/4654
35138508005	B77-1	EPA 7470	MERP/4657	EPA 7470	MERC/4654
35138508006	B76-6	EPA 7470	MERP/4657	EPA 7470	MERC/4654
35138508007	B76-1	EPA 7470	MERP/4657	EPA 7470	MERC/4654
35138508008	B82-1	EPA 7470	MERP/4657	EPA 7470	MERC/4654

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35138508009	B87-F	EPA 7470	MERP/4657	EPA 7470	MERC/4654
35138508010	B87-6	EPA 7470	MERP/4657	EPA 7470	MERC/4654
35138508001	EQ Blank 5/19/14	EPA 8260	MSV/11779		
35138508002	B45-1	EPA 8260	MSV/11779		
35138508003	B45-1 Dup	EPA 8260	MSV/11779		
35138508004	B45-2	EPA 8260	MSV/11779		
35138508005	B77-1	EPA 8260	MSV/11779		
35138508006	B76-6	EPA 8260	MSV/11779		
35138508007	B76-1	EPA 8260	MSV/11779		
35138508008	B82-1	EPA 8260	MSV/11779		
35138508009	B87-F	EPA 8260	MSV/11779		
35138508010	B87-6	EPA 8260	MSV/11780		
35138508011	Trip Blank 5/19/14	EPA 8260	MSV/11780		
35138508001	EQ Blank 5/19/14	SM 2540C	WET/25106		
35138508002	B45-1	SM 2540C	WET/25106		
35138508003	B45-1 Dup	SM 2540C	WET/25106		
35138508004	B45-2	SM 2540C	WET/25106		
35138508005	B77-1	SM 2540C	WET/25106		
35138508006	B76-6	SM 2540C	WET/25106		
35138508007	B76-1	SM 2540C	WET/25106		
35138508008	B82-1	SM 2540C	WET/25106		
35138508009	B87-F	SM 2540C	WET/25106		
35138508010	B87-6	SM 2540C	WET/25106		
35138508001	EQ Blank 5/19/14	EPA 300.0	WETA/36016		
35138508002	B45-1	EPA 300.0	WETA/36016		
35138508003	B45-1 Dup	EPA 300.0	WETA/36016		
35138508004	B45-2	EPA 300.0	WETA/36016		
35138508005	B77-1	EPA 300.0	WETA/36016		
35138508006	B76-6	EPA 300.0	WETA/36016		
35138508007	B76-1	EPA 300.0	WETA/36016		
35138508008	B82-1	EPA 300.0	WETA/36016		
35138508009	B87-F	EPA 300.0	WETA/36016		
35138508010	B87-6	EPA 300.0	WETA/36016		
35138508001	EQ Blank 5/19/14	EPA 350.1	WETA/36116		
35138508002	B45-1	EPA 350.1	WETA/36117		
35138508003	B45-1 Dup	EPA 350.1	WETA/36117		
35138508004	B45-2	EPA 350.1	WETA/36117		
35138508005	B77-1	EPA 350.1	WETA/36117		
35138508006	B76-6	EPA 350.1	WETA/36117		
35138508007	B76-1	EPA 350.1	WETA/36117		
35138508008	B82-1	EPA 350.1	WETA/36117		
35138508009	B87-F	EPA 350.1	WETA/36117		
35138508010	B87-6	EPA 350.1	WETA/36117		
35138508001	EQ Blank 5/19/14	EPA 353.2	WETA/36210		
35138508002	B45-1	EPA 353.2	WETA/36210		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Benzene Remediation

Pace Project No.: 35138508

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35138508003	B45-1 Dup	EPA 353.2	WETA/36210		
35138508004	B45-2	EPA 353.2	WETA/36210		
35138508005	B77-1	EPA 353.2	WETA/36210		
35138508006	B76-6	EPA 353.2	WETA/36210		
35138508007	B76-1	EPA 353.2	WETA/36210		
35138508008	B82-1	EPA 353.2	WETA/36210		
35138508009	B87-F	EPA 353.2	WETA/36210		
35138508010	B87-6	EPA 353.2	WETA/36210		

REPORT OF LABORATORY ANALYSIS

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Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: VOLUNTA COUNTY SOLID WASTE		SITE LOCATION: BEAVER REMEDIATION	
WELL NO: 0		SAMPLE ID: EQ	DATE: 5-19-16

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:		SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT:		SAMPLING ENDED AT:		
MAARU GILBERT/PACE		[Signature]			0815		0820		
PUMP OR TUBING DEPTH IN WELL (feet):		TUBING MATERIAL CODE:		FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/>		FILTER SIZE: _____ µm			
FIELD DECONTAMINATION: PUMP <input checked="" type="radio"/> N <input type="radio"/>		TUBING <input checked="" type="radio"/> N (replaced) <input type="radio"/>		DUPLICATE: Y <input type="radio"/> N <input checked="" type="radio"/>					
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			
	1	PE	1000	ICE			POS, NITRATE, CHLORIDE	PP	400
	1	↓	250	HNO3		<2	6010/6020/UL MEANS	↓	↓
	1	↓	250	H2SO4		<2	NH3	↓	↓
	2	CG	40	ICE			BOLL COB	↓ RPP	↓
	3	"	40	HCL		<2	9260 VOC	↓	↓
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 = 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 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ≤ 5 NTU or $\pm 10\%$ (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: VOLUNTA COUNTY SOLID WASTE		SITE LOCATION: BENZON	
WELL NO: 1	SAMPLE ID: BLS-1 / DUPLICATE	DATE: 5-19-14	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT:		SAMPLING ENDED AT:		
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE:			FIELD-FILTERED: Y (N)		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP (Y) N				TUBING (Y) N (replaced)			DUPLICATE: (Y) (N) mg				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	2	PG	1000	ICE		6.07	TDS, NITRATE, CHLORIDE PP		400		
	2	↓	250	HNO3		<2	6010, 6020 µg NITRATES		↓		
	2	↓	250	H2SO4		<2	NH3		↓		
	4	CG	40	ICE		6.07	8011 EOB		↓		
	6	"	"	HCL		<2	8260 VOL		RFPP		
REMARKS:											
ORP-25.7 ORP-26.1 ORP-26.5											
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. 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 2212, SECTION 3)

2. **STABILIZATION CRITERIA** FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS: SEE FC 2212, SECTION 97.
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Form FD 9000-24

SITE NAME: VOLUNTA COUNTY SOLID WASTE		SITE LOCATION: BENZENE	
WELL NO: 2		SAMPLE ID: B45-2	DATE: 5-19-14

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT:		SAMPLING ENDED AT:		
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE:			FIELD FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)				DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>							
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	1	PG	1000	ICE		6.22	105 NITRATE FL		PP		
	1	J	250	HNO3		<2	6010, 6020 / HGMETALS				
	1	J	250	H2SO4		<2	NH3				
	2	CG	40	ICE		6.22	8011 EOB		J		
	3	CG	40	HCL		<2	8260 VOC		RF PP		
REMARKS:											
ORP 36.9 ORP 38.1 ORP 40.9											
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 = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = 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 2212, SECTION 3)

2. **STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 9)**
pH: ± 0.2 units **Temperature:** $\pm 0.2^{\circ}\text{C}$ **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: VOLUSIA COUNTY SOLID WASTE	SITE LOCATION: BENZENE
WELL NO: 3	SAMPLE ID: B77-1
DATE: 5-19-14	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 11.30	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 - 11.30 feet X 0.16 gallons/foot = 5.312 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): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13	PURGING INITIATED AT: 0941	PURGING ENDED AT: 1023	TOTAL VOLUME PURGED (gallons): 10.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1003	5.50	5.50	0.25	11.43	6.02	22.06	1529	0.25	0.43	Yellow	Strong
1008	1.25	6.75	↓	↓	6.05	22.04	1605	0.24	1.05	↓	↓
1013	1.25	8.00	↓	↓	6.15	22.26	1742	0.23	0.38	↓	↓
1018	1.25	9.25	↓	↓	6.10	22.29	1756	0.22	0.53	↓	↓
1023	1.25	10.50	↓	↓	6.16	22.32	1753	0.22	0.45	↓	↓

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 / PACE	SAMPLER(S) SIGNATURE(S): [Signature]	SAMPLING INITIATED AT: 1023	SAMPLING ENDED AT: 1030
PUMP OR TUBING DEPTH IN WELL (feet): 13	TUBING MATERIAL CODE: PE, S	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTRATION EQUIPMENT TYPE: <input checked="" type="checkbox"/> <input type="checkbox"/>
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N <input type="checkbox"/> TUBING <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		

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			
	1	PE	1000	ICE		6.16	705 NITRATE, CL	PP	400
	1	↓	250	HN03		6.2	6010 6024 142 METALS	↓	↓
	1	↓	250	142504		6.2	MH3	↓	↓
	2	CG	40	ICE		6.16	8011 GDB	↓	100
	3	CG	40	HCL		6.2	8260 VOL	RF-PP	100

REMARKS: ORP-14.5 ORP-14.0 ORP-15.0 ORP-15.2 ORP-15.5

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. 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 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: VOLusia COUNTY SOLID WASTE		SITE LOCATION: BENZENE	
WELL NO: 4	SAMPLE ID: B76-6	DATE: 5-19-14	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MANU GILBERT / ACE				SAMPLER(S) / SIGNATURE(S): [Signature]			SAMPLING INITIATED AT: 1126		SAMPLING ENDED AT: 1133	
PUMP OR TUBING DEPTH IN WELL (feet): 9				TUBING MATERIAL CODE: PE, S			FIELD-FILTERED: Y (N)		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 ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	PE	1000	12P		6.19	H2S, NH4+, CL		PP	400
	1		250	HNO3		<2	601060211g METALS			
	1	↓	250	H2SO4		<2	NH3			
	2	CG	40	12P		6.19	8011 EOB		↓	120
	3	GG	40	HCL		<2	8026 VOC		RFPP	100

REMARKS:

оп-58.5 оп-56.3 оп-56.2

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 LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

2. **STABILIZATION CRITERIA:** FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 2):
pH: ± 0.2 units **Temperature:** $\pm 0.2^\circ\text{C}$ **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\geq 20\%$ saturation (see Table FS 2200-2); optionally, $\pm 0.2\text{ mg/L}$ or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings $\leq 20\text{ NTU}$; optionally $\pm 5\text{ NTU}$ or $\pm 10\%$ (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: VOLUSIA COUNTY SOLID WASTE		SITE LOCATION: BENZENE	
WELL NO: S	SAMPLE ID: B76-1	DATE: 5-19-14	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE:		FIELD FILTERED: Y (N)		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				
	1	PE	1000	ICE			DOS, NITRATE, CL		PP	400
	1	↓	250	HNO3		< 2	6010, 6020, Hg, MEANS		↓	↓
	1	↓	250	H2SO4		< 2	NH3		↓	↓
	2	CG	40	ICE			8011 EDB		↓	100
	3	CG	40	HCL		< 2	8026 VOC		RFPP	100
REMARKS:										
ORP-9.1 ORP-11.4 ORP-30.2 ORP-32.9										
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 = 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 2212, SECTION 3)**
pH: ± 0.2 units **Temperature:** $\pm 0.2^{\circ}\text{C}$ **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: VOLusia County Solid Waste		SITE LOCATION: BENZENE	
WELL NO: 6	SAMPLE ID: B82-1	DATE: 5-19-14	

PURGING DATA

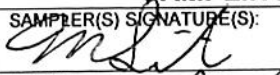
WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.85	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = 38.65 feet - 6.85 feet X 0.16 gallons/foot = 5.089 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): 11	PURGING INITIATED AT: 1235	PURGING ENDED AT: 1306	TOTAL VOLUME PURGED (gallons): 7.75

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)
1256	5.25	5.25	0.25	9.55	6.22	24.22	398	0.21	1.97	clear	none
1301	1.25	6.50	1	1	6.23	24.25	400	0.21	1.80	↓	↓
1306	1.25	7.75	1	1	6.23	24.24	400	0.20	2.33	↓	↓

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 GIBSON / PACE		SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: 1306	SAMPLING ENDED AT: 1312
PUMP OR TUBING DEPTH IN WELL (feet): 11		TUBING MATERIAL CODE: PE, S		FIELD-FILTERED: Y (N)	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			
	1	PE	1000	ICE		6.23	TDS, NITRATE, CL	PP	400
	1	↓	250	HNO3		<2	6010, 6020/Hg, NITRATES	↓	↓
	1	↓	250	H2SO4		<2	NH3	↓	↓
	2	CG	40	ICE		6.23	8011 BOD	↓	100
	3	CG	40	HCL		<2	8026 VOC	RFPP	100

REMARKS: ORP-33.2 ORP-35.3 ORP-36.1

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 LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 141	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 141	PURGING INITIATED AT: 1325	PURGING ENDED AT: 1445	TOTAL VOLUME PURGED (gallons): 20.00
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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)

REMARKS: ORP-70.8 ORP-66.5 ORP-63.3

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 LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>VOLusia COUNTY SOLID WASTE</u>		SITE LOCATION: <u>BENZENE</u>	
WELL NO: <u>8</u>	SAMPLE ID: <u>B87-6</u>	DATE: <u>5-19-14</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <u>10.20</u>	PURGE PUMP TYPE OR BAILER: <u>PP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = <u>(50.00 - 10.20) feet</u> X <u>0.16</u> gallons/foot = <u>6.368</u> 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): <u>12</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>12</u>	PURGING INITIATED AT: <u>1457</u>	PURGING ENDED AT: <u>1547</u>	TOTAL VOLUME PURGED (gallons): <u>12.50</u>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1523	6.50	6.50	0.25	10.40	8.20	23.07	449	0.21	0.93	CLAR	none
1529	1.50	8.00	1	1	8.11	23.09	452	0.19	0.36	1	1
1535	1.50	9.50	1	1	6.91	23.08	521	0.24	0.39	1	1
1541	1.50	11.00	1	1	6.80	23.02	539	0.23	0.81	1	1
1547	1.50	12.50	1	1	6.79	23.08	544	0.23	0.87	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: <u>MARK GILBERT / PACE</u>		SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>		SAMPLING INITIATED AT: <u>1547</u>	SAMPLING ENDED AT: <u>1554</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>12</u>		TUBING MATERIAL CODE: <u>PE, S</u>	FIELD-FILTERED: Y <u>(X)</u>	FILTER SIZE: <u>0.45</u> μm	
FIELD DECONTAMINATION: PUMP <u>(X)</u> N TUBING <u>(X)</u> N (replaced)		DUPLICATE: Y <u>(X)</u>			

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			
	1	PE	1000	ICE			TOXICITY, CI	PP	400
	1	1	250	HNO3		<2	601000/16 METALS	1	1
	1	1	250	H2SO4		<2	NH3	1	1
	2	CG	40	ICE			8011 EOB	1	100
	3	CG	40	HCL		<2	8026 VOL	RFPP	100

REMARKS: orp-25.6 orp-20.5 orp-105.1 orp-103.0 orp -102.5


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. 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 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

	Document Name:	Document Revised:
	Sample Condition Upon Receipt Form	October 9, 2013
	Document No.:	Issuing Authority:
	F-FLC-007 rev. 05	Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR) Table Number: _____

Client Name: WALSA COUNTY SOLID WASTE Project #: 35138508

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: T 168 Type of Ice: Wet Blue None

Cooler Temperature °C: 3.3 (Visual) -0.1 (Correction Factor) 3.2 (Actual)

(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	<input type="checkbox"/>
Chain of Custody Filled Out	<input type="checkbox"/>
Relinquished Signature & Sampler Name COC	<input type="checkbox"/>
Samples Arrived within Hold Time	<input type="checkbox"/>
Sufficient Volume	<input type="checkbox"/>
Correct Containers Used	<input type="checkbox"/>
Containers Intact	<input type="checkbox"/>
Sample Labels match IOC (sample IDs & date/time of collection)	<input type="checkbox"/>
No Labels: <input type="checkbox"/> No Time/Date on Labels: <input type="checkbox"/>	
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/>
No Headspace in VO/Vials (>6mm):	<input type="checkbox"/>

Client Notification/ Resolution:

Person Contact: _____ Date/Time: _____

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

Project Manager Review:  Date: 9/20/13

Finished Product Information Only	
Sample ID: _____	Size & Qty of Bottles Received
Production Code: _____	<input type="checkbox"/> 5 Gal
Time Opened: _____	<input type="checkbox"/> 2.5 Gal
Number of Unopened Bottles Remaining: _____	<input type="checkbox"/> 1 Gal
	<input type="checkbox"/> 1 Liter
	<input type="checkbox"/> 500 mL
	<input type="checkbox"/> 250 mL
	<input type="checkbox"/> Other: _____

May 30, 2014

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.: 35138682

Dear Ms. Stirk:

Enclosed are the analytical results for sample(s) received by the laboratory on May 20, 2014. 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@pacelabs.com
Project Manager

Enclosures

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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

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
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
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
South Carolina Certification: #96042001
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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35138682001	EQ Blank 5/20/14	Water	05/20/14 08:42	05/20/14 16:47
35138682002	B81-4	Water	05/20/14 10:00	05/20/14 16:47
35138682003	B81-4 Duplicate	Water	05/20/14 10:00	05/20/14 16:47
35138682004	B86	Water	05/20/14 10:57	05/20/14 16:47
35138682005	B79-6	Water	05/20/14 12:17	05/20/14 16:47
35138682006	B79-1	Water	05/20/14 13:03	05/20/14 16:47
35138682007	B85-6	Water	05/20/14 14:22	05/20/14 16:47
35138682008	B85-F	Water	05/20/14 15:52	05/20/14 16:47
35138682009	Trip Blank 5/20/14	Water	05/20/14 00:00	05/20/14 16:47

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35138682001	EQ Blank 5/20/14	EPA 8011	LJM	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	ADC	1	PASI-O
35138682002	B81-4	EPA 8011	LJM	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	ADC	1	PASI-O
35138682003	B81-4 Duplicate	EPA 8011	LJM	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	ADC	1	PASI-O
35138682004	B86	EPA 8011	LJM	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	ADC	1	PASI-O
		EPA 353.2	CLS	1	PASI-O
35138682005	B79-6	EPA 8011	LJM	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35138682006	B79-1	EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	ADC	1	PASI-O
		EPA 8011	LJM	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
35138682007	B85-6	EPA 350.1	ADC	1	PASI-O
		EPA 8011	LJM	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	ADC	1	PASI-O
		EPA 8011	LJM	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
35138682008	B85-F	EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	ADC	1	PASI-O
		EPA 8011	LJM	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	ADC	1	PASI-O
		EPA 8260	SK	50	PASI-O
35138682009	Trip Blank 5/20/14	EPA 8260	SK	50	PASI-O

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Date: May 30, 2014

The sample 35138682004 was reported past the recommended holding time for nitrate due to an instrument issue that delayed the analysis.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: EQ Blank 5/20/14 **Lab ID: 35138682001** Collected: 05/20/14 08:42 Received: 05/20/14 16:47 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	0.0050U	ug/L	0.021	0.0050	1	05/28/14 13:00	05/28/14 22:57	96-12-8	
1,2-Dibromoethane (EDB)	0.0064U	ug/L	0.010	0.0064	1	05/28/14 13:00	05/28/14 22:57	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:00	7440-38-2	
Barium	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:00	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:00	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:00	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:00	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:00	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:00	7440-50-8	
Iron	20.0U	ug/L	40.0	20.0	1	05/23/14 03:20	05/25/14 01:00	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:00	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:00	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	05/23/14 03:20	05/25/14 01:00	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:00	7440-22-4	
Sodium	0.50U	mg/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:00	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:00	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	05/23/14 03:20	05/25/14 01:00	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 17:11	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 17:11	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	05/24/14 17:00	05/27/14 07:34	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		05/26/14 02:40	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/26/14 02:40	107-13-1	
Benzene	0.10U	ug/L	1.0	0.10	1		05/26/14 02:40	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/26/14 02:40	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/26/14 02:40	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/26/14 02:40	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/26/14 02:40	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/26/14 02:40	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: EQ Blank 5/20/14 **Lab ID:** 35138682001 Collected: 05/20/14 08:42 Received: 05/20/14 16:47 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		05/26/14 02:40	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/26/14 02:40	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/26/14 02:40	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/26/14 02:40	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/26/14 02:40	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/26/14 02:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/26/14 02:40	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/26/14 02:40	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/26/14 02:40	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/26/14 02:40	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		05/26/14 02:40	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90 %		70-114		1		05/26/14 02:40	460-00-4	
1,2-Dichloroethane-d4 (S)	103 %		86-125		1		05/26/14 02:40	17060-07-0	
Toluene-d8 (S)	100 %		87-113		1		05/26/14 02:40	2037-26-5	
2540C Total Dissolved Solids Analytical Method: SM 2540C									
Total Dissolved Solids	5.0U	mg/L	5.0	5.0	1		05/23/14 13:43		
300.0 IC Anions Analytical Method: EPA 300.0									
Nitrate as N	0.043U	mg/L	0.050	0.043	1		05/21/14 19:06	14797-55-8	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	2.5U	mg/L	5.0	2.5	1		05/27/14 16:05	16887-00-6	
Sulfate	2.5U	mg/L	5.0	2.5	1		05/27/14 16:05	14808-79-8	
350.1 Ammonia Analytical Method: EPA 350.1									
Nitrogen, Ammonia	0.020U	mg/L	0.050	0.020	1		05/28/14 11:52	7664-41-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B81-4 Lab ID: 35138682002 Collected: 05/20/14 10:00 Received: 05/20/14 16:47 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.33	Std. Units			1		05/20/14 10:00		
Field Temperature	22.34	deg C			1		05/20/14 10:00		
Appearance	Color; yellow, Sheen: none				1		05/20/14 10:00		
Field Specific Conductance	818	umhos/cm			1		05/20/14 10:00		
Oxygen, Dissolved	0.27	mg/L			1		05/20/14 10:00	7782-44-7	
REDOX	-52.3	mV			1		05/20/14 10:00		
Turbidity	0.23	NTU			1		05/20/14 10:00		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0051U	ug/L	0.021	0.0051	1	05/28/14 13:00	05/28/14 23:12	96-12-8	
1,2-Dibromoethane (EDB)	0.0065U	ug/L	0.010	0.0065	1	05/28/14 13:00	05/28/14 23:12	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:04	7440-38-2	
Barium	68.7	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:04	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:04	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:04	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:04	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:04	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:04	7440-50-8	
Iron	10300	ug/L	40.0	20.0	1	05/23/14 03:20	05/25/14 01:04	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:04	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:04	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	05/23/14 03:20	05/25/14 01:04	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:04	7440-22-4	
Sodium	80.4	mg/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:04	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:04	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	05/23/14 03:20	05/25/14 01:04	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 17:13	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 17:13	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	05/24/14 17:00	05/27/14 07:36	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		05/26/14 01:48	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/26/14 01:48	107-13-1	
Benzene	1.1	ug/L	1.0	0.10	1		05/26/14 01:48	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/26/14 01:48	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	75-25-2	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B81-4 **Lab ID: 35138682002** Collected: 05/20/14 10:00 Received: 05/20/14 16:47 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/26/14 01:48	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/26/14 01:48	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	56-23-5	
Chlorobenzene	0.80 I	ug/L	1.0	0.50	1		05/26/14 01:48	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/26/14 01:48	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/26/14 01:48	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/26/14 01:48	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/26/14 01:48	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/26/14 01:48	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/26/14 01:48	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/26/14 01:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/26/14 01:48	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/26/14 01:48	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/26/14 01:48	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/26/14 01:48	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		05/26/14 01:48	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92 %		70-114		1		05/26/14 01:48	460-00-4	
1,2-Dichloroethane-d4 (S)	103 %		86-125		1		05/26/14 01:48	17060-07-0	
Toluene-d8 (S)	98 %		87-113		1		05/26/14 01:48	2037-26-5	
2540C Total Dissolved Solids Analytical Method: SM 2540C									
Total Dissolved Solids	490	mg/L	5.0	5.0	1		05/23/14 13:44		

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B81-4		Lab ID: 35138682002		Collected: 05/20/14 10:00		Received: 05/20/14 16:47		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	0.043U	mg/L	0.050	0.043	1		05/21/14 22:39	14797-55-8	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	106	mg/L	5.0	2.5	1		05/21/14 22:39	16887-00-6	
Sulfate	2.5U	mg/L	5.0	2.5	1		05/21/14 22:39	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	0.11	mg/L	0.050	0.020	1		05/28/14 11:53	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B81-4 Duplicate Lab ID: 35138682003 Collected: 05/20/14 10:00 Received: 05/20/14 16:47 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.33	Std. Units			1		05/20/14 10:00		
Field Temperature	22.34	deg C			1		05/20/14 10:00		
Appearance	Color: yellow, Sheen: none				1		05/20/14 10:00		
Field Specific Conductance	818	umhos/cm			1		05/20/14 10:00		
Oxygen, Dissolved	0.27	mg/L			1		05/20/14 10:00	7782-44-7	
REDOX	-52.3	mV			1		05/20/14 10:00		
Turbidity	0.23	NTU			1		05/20/14 10:00		
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	05/28/14 13:00	05/28/14 23:58	96-12-8	
1,2-Dibromoethane (EDB)	0.0063U	ug/L	0.010	0.0063	1	05/28/14 13:00	05/28/14 23:58	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:08	7440-38-2	
Barium	69.4	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:08	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:08	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:08	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:08	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:08	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:08	7440-50-8	
Iron	10300	ug/L	40.0	20.0	1	05/23/14 03:20	05/25/14 01:08	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:08	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:08	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	05/23/14 03:20	05/25/14 01:08	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:08	7440-22-4	
Sodium	81.8	mg/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:08	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:08	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	05/23/14 03:20	05/25/14 01:08	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 17:16	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 17:16	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	05/24/14 17:00	05/27/14 07:38	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		05/26/14 01:22	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/26/14 01:22	107-13-1	
Benzene	1.2	ug/L	1.0	0.10	1		05/26/14 01:22	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/26/14 01:22	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	75-25-2	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B81-4 Duplicate **Lab ID: 35138682003** Collected: 05/20/14 10:00 Received: 05/20/14 16:47 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/26/14 01:22	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/26/14 01:22	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	56-23-5	
Chlorobenzene	0.78 I	ug/L	1.0	0.50	1		05/26/14 01:22	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/26/14 01:22	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/26/14 01:22	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/26/14 01:22	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/26/14 01:22	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/26/14 01:22	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/26/14 01:22	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/26/14 01:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/26/14 01:22	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/26/14 01:22	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/26/14 01:22	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/26/14 01:22	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		05/26/14 01:22	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89 %		70-114		1		05/26/14 01:22	460-00-4	
1,2-Dichloroethane-d4 (S)	102 %		86-125		1		05/26/14 01:22	17060-07-0	
Toluene-d8 (S)	99 %		87-113		1		05/26/14 01:22	2037-26-5	
2540C Total Dissolved Solids Analytical Method: SM 2540C									
Total Dissolved Solids	501	mg/L	5.0	5.0	1		05/23/14 13:44		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B81-4 Duplicate		Lab ID: 35138682003		Collected: 05/20/14 10:00		Received: 05/20/14 16:47		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	0.043U	mg/L	0.050	0.043	1		05/21/14 22:54	14797-55-8	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	103	mg/L	5.0	2.5	1		05/21/14 22:54	16887-00-6	
Sulfate	2.5U	mg/L	5.0	2.5	1		05/21/14 22:54	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	0.11	mg/L	0.050	0.020	1		05/28/14 11:56	7664-41-7	J(M1)

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B86 Lab ID: 35138682004 Collected: 05/20/14 10:57 Received: 05/20/14 16:47 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.40	Std. Units			1		05/20/14 10:57		
Field Temperature	22.65	deg C			1		05/20/14 10:57		
Appearance	Color: yellow, Sheen: none				1		05/20/14 10:57		
Field Specific Conductance	2107	umhos/cm			1		05/20/14 10:57		
Oxygen, Dissolved	0.21	mg/L			1		05/20/14 10:57	7782-44-7	
REDOX	-70.3	mV			1		05/20/14 10:57		
Turbidity	0.94	NTU			1		05/20/14 10:57		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0050U	ug/L	0.021	0.0050	1	05/28/14 13:00	05/29/14 00:13	96-12-8	
1,2-Dibromoethane (EDB)	0.0064U	ug/L	0.010	0.0064	1	05/28/14 13:00	05/29/14 00:13	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:11	7440-38-2	
Barium	166	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:11	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:11	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:11	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:11	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:11	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:11	7440-50-8	
Iron	20900	ug/L	40.0	20.0	1	05/23/14 03:20	05/25/14 01:11	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:11	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:11	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	05/23/14 03:20	05/25/14 01:11	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:11	7440-22-4	
Sodium	181	mg/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:11	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:11	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	05/23/14 03:20	05/25/14 01:11	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 17:18	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 17:18	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	05/24/14 17:00	05/27/14 07:40	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		05/26/14 00:57	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/26/14 00:57	107-13-1	
Benzene	11.0	ug/L	1.0	0.10	1		05/26/14 00:57	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/26/14 00:57	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	75-25-2	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B86 **Lab ID: 35138682004** Collected: 05/20/14 10:57 Received: 05/20/14 16:47 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/26/14 00:57	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/26/14 00:57	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	56-23-5	
Chlorobenzene	7.0	ug/L	1.0	0.50	1		05/26/14 00:57	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/26/14 00:57	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/26/14 00:57	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/26/14 00:57	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/26/14 00:57	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/26/14 00:57	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/26/14 00:57	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/26/14 00:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/26/14 00:57	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/26/14 00:57	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/26/14 00:57	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/26/14 00:57	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/26/14 00:57	75-01-4	
Xylene (Total)	0.83 I	ug/L	1.0	0.50	1		05/26/14 00:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90 %		70-114		1		05/26/14 00:57	460-00-4	
1,2-Dichloroethane-d4 (S)	100 %		86-125		1		05/26/14 00:57	17060-07-0	
Toluene-d8 (S)	98 %		87-113		1		05/26/14 00:57	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	1390	mg/L	10.0	10.0	1		05/23/14 13:45		

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B86		Lab ID: 35138682004		Collected: 05/20/14 10:57		Received: 05/20/14 16:47		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	198	mg/L	25.0	12.5	5		05/22/14 02:43	16887-00-6	
Sulfate	2.5U	mg/L	5.0	2.5	1		05/27/14 16:26	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	0.14	mg/L	0.050	0.020	1		05/28/14 11:59	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrogen, Nitrate	0.029U	mg/L	0.050	0.029	1		05/22/14 15:20		J(M1),Q

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B79-6		Lab ID: 35138682005		Collected: 05/20/14 12:17		Received: 05/20/14 16:47		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	6.32	Std. Units			1		05/20/14 12:17		
Field Temperature	22.97	deg C			1		05/20/14 12:17		
Appearance	Color: yellow, Sheen: none				1		05/20/14 12:17		
Field Specific Conductance	2905	umhos/cm			1		05/20/14 12:17		
Oxygen, Dissolved	0.16	mg/L			1		05/20/14 12:17	7782-44-7	
REDOX	-80.3	mV			1		05/20/14 12:17		
Turbidity	0.65	NTU			1		05/20/14 12:17		
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0051U	ug/L	0.021	0.0051	1	05/28/14 13:00	05/29/14 00:28	96-12-8	
1,2-Dibromoethane (EDB)	0.0064U	ug/L	0.010	0.0064	1	05/28/14 13:00	05/29/14 00:28	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:15	7440-38-2	
Barium	140	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:15	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:15	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:15	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:15	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:15	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:15	7440-50-8	
Iron	36700	ug/L	40.0	20.0	1	05/23/14 03:20	05/25/14 01:15	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:15	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:15	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	05/23/14 03:20	05/25/14 01:15	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:15	7440-22-4	
Sodium	285	mg/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:15	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:15	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	05/23/14 03:20	05/25/14 01:15	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 17:21	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 17:21	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	05/24/14 17:00	05/27/14 07:42	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		05/26/14 00:31	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/26/14 00:31	107-13-1	
Benzene	5.4	ug/L	1.0	0.10	1		05/26/14 00:31	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/26/14 00:31	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	75-25-2	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B79-6 **Lab ID: 35138682005** Collected: 05/20/14 12:17 Received: 05/20/14 16:47 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/26/14 00:31	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/26/14 00:31	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	56-23-5	
Chlorobenzene	6.7	ug/L	1.0	0.50	1		05/26/14 00:31	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/26/14 00:31	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/26/14 00:31	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	95-50-1	
1,4-Dichlorobenzene	0.58	ug/L	1.0	0.50	1		05/26/14 00:31	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/26/14 00:31	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/26/14 00:31	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/26/14 00:31	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/26/14 00:31	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/26/14 00:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/26/14 00:31	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/26/14 00:31	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/26/14 00:31	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/26/14 00:31	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/26/14 00:31	75-01-4	
Xylene (Total)	2.6	ug/L	1.0	0.50	1		05/26/14 00:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92 %		70-114		1		05/26/14 00:31	460-00-4	
1,2-Dichloroethane-d4 (S)	99 %		86-125		1		05/26/14 00:31	17060-07-0	
Toluene-d8 (S)	98 %		87-113		1		05/26/14 00:31	2037-26-5	
2540C Total Dissolved Solids Analytical Method: SM 2540C									
Total Dissolved Solids	1590	mg/L	20.0	20.0	1		05/23/14 13:45		

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B79-6		Lab ID: 35138682005		Collected: 05/20/14 12:17		Received: 05/20/14 16:47		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	0.86U	mg/L	1.0	0.86	20		05/22/14 12:29	14797-55-8	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	320	mg/L	100	50.0	20		05/22/14 12:29	16887-00-6	
Sulfate	50.0U	mg/L	100	50.0	20		05/22/14 12:29	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	56.4	mg/L	0.25	0.10	5		05/28/14 15:01	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B79-1 Lab ID: 35138682006 Collected: 05/20/14 13:03 Received: 05/20/14 16:47 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.27	Std. Units			1		05/20/14 13:03		
Field Temperature	22.98	deg C			1		05/20/14 13:03		
Appearance	Color: yellow, Sheen: none				1		05/20/14 13:03		
Field Specific Conductance	2835	umhos/cm			1		05/20/14 13:03		
Oxygen, Dissolved	0.17	mg/L			1		05/20/14 13:03	7782-44-7	
REDOX	-49.7	mV			1		05/20/14 13:03		
Turbidity	5.72	NTU			1		05/20/14 13:03		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0051U	ug/L	0.021	0.0051	1	05/28/14 13:00	05/29/14 00:58	96-12-8	
1,2-Dibromoethane (EDB)	0.0065U	ug/L	0.010	0.0065	1	05/28/14 13:00	05/29/14 00:58	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:19	7440-38-2	
Barium	140	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:19	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:19	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:19	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:19	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:19	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:19	7440-50-8	
Iron	26400	ug/L	40.0	20.0	1	05/23/14 03:20	05/25/14 01:19	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:19	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:19	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	05/23/14 03:20	05/25/14 01:19	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:19	7440-22-4	
Sodium	278	mg/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:19	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:19	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	05/23/14 03:20	05/25/14 01:19	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 17:23	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 17:23	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	05/24/14 17:00	05/27/14 07:45	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	14.1 I	ug/L	20.0	10.0	1		05/26/14 00:05	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/26/14 00:05	107-13-1	
Benzene	7.1	ug/L	1.0	0.10	1		05/26/14 00:05	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/26/14 00:05	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	75-25-2	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B79-1 **Lab ID: 35138682006** Collected: 05/20/14 13:03 Received: 05/20/14 16:47 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/26/14 00:05	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/26/14 00:05	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	56-23-5	
Chlorobenzene	6.6	ug/L	1.0	0.50	1		05/26/14 00:05	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/26/14 00:05	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/26/14 00:05	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/26/14 00:05	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/26/14 00:05	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/26/14 00:05	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/26/14 00:05	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/26/14 00:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/26/14 00:05	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/26/14 00:05	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/26/14 00:05	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/26/14 00:05	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/26/14 00:05	75-01-4	
Xylene (Total)	2.7	ug/L	1.0	0.50	1		05/26/14 00:05	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91 %		70-114		1		05/26/14 00:05	460-00-4	
1,2-Dichloroethane-d4 (S)	102 %		86-125		1		05/26/14 00:05	17060-07-0	
Toluene-d8 (S)	99 %		87-113		1		05/26/14 00:05	2037-26-5	
2540C Total Dissolved Solids Analytical Method: SM 2540C									
Total Dissolved Solids	1680	mg/L	20.0	20.0	1		05/23/14 13:45		

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B79-1 Lab ID: 35138682006 Collected: 05/20/14 13:03 Received: 05/20/14 16:47 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	0.86U	mg/L	1.0	0.86	20		05/22/14 12:50	14797-55-8	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	325	mg/L	100	50.0	20		05/22/14 12:50	16887-00-6	
Sulfate	2.5U	mg/L	5.0	2.5	1		05/27/14 18:35	14808-79-8	
350.1 Ammonia Analytical Method: EPA 350.1									
Nitrogen, Ammonia	44.4	mg/L	0.25	0.10	5		05/28/14 15:02	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B85-6 **Lab ID: 35138682007** Collected: 05/20/14 14:22 Received: 05/20/14 16:47 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	6.30	Std. Units			1		05/20/14 14:22		
Field Temperature	23.12	deg C			1		05/20/14 14:22		
Appearance	Color: yellow, Sheen: none				1		05/20/14 14:22		
Field Specific Conductance	2154	umhos/cm			1		05/20/14 14:22		
Oxygen, Dissolved	0.15	mg/L			1		05/20/14 14:22	7782-44-7	
REDOX	-53.1	mV			1		05/20/14 14:22		
Turbidity	1.75	NTU			1		05/20/14 14:22		
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0051U	ug/L	0.021	0.0051	1	05/28/14 13:00	05/29/14 01:13	96-12-8	
1,2-Dibromoethane (EDB)	0.0065U	ug/L	0.010	0.0065	1	05/28/14 13:00	05/29/14 01:13	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:23	7440-38-2	
Barium	69.4	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:23	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:23	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:23	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:23	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:23	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:23	7440-50-8	
Iron	11400	ug/L	40.0	20.0	1	05/23/14 03:20	05/25/14 01:23	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:23	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:23	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	05/23/14 03:20	05/25/14 01:23	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:23	7440-22-4	
Sodium	170	mg/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:23	7440-23-5	
Vanadium	5.5 I	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:23	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	05/23/14 03:20	05/25/14 01:23	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 17:34	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 17:34	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	05/24/14 17:00	05/27/14 07:47	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		05/25/14 23:40	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/25/14 23:40	107-13-1	
Benzene	2.1	ug/L	1.0	0.10	1		05/25/14 23:40	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/25/14 23:40	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	75-25-2	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B85-6 **Lab ID: 35138682007** Collected: 05/20/14 14:22 Received: 05/20/14 16:47 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/25/14 23:40	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/25/14 23:40	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	56-23-5	
Chlorobenzene	2.6	ug/L	1.0	0.50	1		05/25/14 23:40	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/25/14 23:40	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/25/14 23:40	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	95-50-1	
1,4-Dichlorobenzene	0.69 I	ug/L	1.0	0.50	1		05/25/14 23:40	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/25/14 23:40	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 23:40	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 23:40	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/25/14 23:40	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/25/14 23:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/25/14 23:40	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/25/14 23:40	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/25/14 23:40	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/25/14 23:40	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/25/14 23:40	75-01-4	
Xylene (Total)	1.0	ug/L	1.0	0.50	1		05/25/14 23:40	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90 %		70-114		1		05/25/14 23:40	460-00-4	
1,2-Dichloroethane-d4 (S)	102 %		86-125		1		05/25/14 23:40	17060-07-0	
Toluene-d8 (S)	100 %		87-113		1		05/25/14 23:40	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	1360	mg/L	20.0	20.0	1		05/23/14 13:45		

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B85-6		Lab ID: 35138682007		Collected: 05/20/14 14:22		Received: 05/20/14 16:47		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	0.22U	mg/L	0.25	0.22	5		05/22/14 13:11	14797-55-8	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	114	mg/L	25.0	12.5	5		05/22/14 13:11	16887-00-6	
Sulfate	2.5U	mg/L	5.0	2.5	1		05/27/14 18:56	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	7.0	mg/L	0.050	0.020	1		05/28/14 12:03	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B85-F		Lab ID: 35138682008		Collected: 05/20/14 15:52		Received: 05/20/14 16:47		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	7.09	Std. Units			1		05/20/14 15:52		
Field Temperature	22.95	deg C			1		05/20/14 15:52		
Appearance	Color: yellow, Sheen: none				1		05/20/14 15:52		
Field Specific Conductance	745	umhos/cm			1		05/20/14 15:52		
Oxygen, Dissolved	0.13	mg/L			1		05/20/14 15:52	7782-44-7	
REDOX	-99.1	mV			1		05/20/14 15:52		
Turbidity	0.79	NTU			1		05/20/14 15:52		
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0051U	ug/L	0.021	0.0051	1	05/28/14 13:00	05/29/14 01:28	96-12-8	
1,2-Dibromoethane (EDB)	0.0065U	ug/L	0.010	0.0065	1	05/28/14 13:00	05/29/14 01:28	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:26	7440-38-2	
Barium	21.6	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:26	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:26	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:26	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:26	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:26	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:26	7440-50-8	
Iron	436	ug/L	40.0	20.0	1	05/23/14 03:20	05/25/14 01:26	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:26	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:26	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	05/23/14 03:20	05/25/14 01:26	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	05/23/14 03:20	05/25/14 01:26	7440-22-4	
Sodium	32.7	mg/L	1.0	0.50	1	05/23/14 03:20	05/25/14 01:26	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	05/23/14 03:20	05/25/14 01:26	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	05/23/14 03:20	05/25/14 01:26	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 17:36	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 17:36	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	05/24/14 17:00	05/27/14 07:49	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		05/25/14 23:14	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/25/14 23:14	107-13-1	
Benzene	0.10 I	ug/L	1.0	0.10	1		05/25/14 23:14	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/25/14 23:14	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	75-25-2	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B85-F **Lab ID: 35138682008** Collected: 05/20/14 15:52 Received: 05/20/14 16:47 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/25/14 23:14	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/25/14 23:14	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/25/14 23:14	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/25/14 23:14	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/25/14 23:14	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 23:14	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 23:14	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/25/14 23:14	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/25/14 23:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/25/14 23:14	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/25/14 23:14	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/25/14 23:14	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/25/14 23:14	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		05/25/14 23:14	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89 %		70-114		1		05/25/14 23:14	460-00-4	
1,2-Dichloroethane-d4 (S)	101 %		86-125		1		05/25/14 23:14	17060-07-0	
Toluene-d8 (S)	100 %		87-113		1		05/25/14 23:14	2037-26-5	
2540C Total Dissolved Solids Analytical Method: SM 2540C									
Total Dissolved Solids	493	mg/L	5.0	5.0	1		05/23/14 13:45		

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: B85-F Lab ID: 35138682008 Collected: 05/20/14 15:52 Received: 05/20/14 16:47 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	0.043U	mg/L	0.050	0.043	1		05/21/14 23:25	14797-55-8	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	63.4	mg/L	5.0	2.5	1		05/21/14 23:25	16887-00-6	
Sulfate	2.5U	mg/L	5.0	2.5	1		05/21/14 23:25	14808-79-8	
350.1 Ammonia Analytical Method: EPA 350.1									
Nitrogen, Ammonia	0.29	mg/L	0.050	0.020	1		05/28/14 12:04	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: Trip Blank 5/20/14 **Lab ID:** 35138682009 **Collected:** 05/20/14 00:00 **Received:** 05/20/14 16:47 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Acetone	10.0U	ug/L	20.0	10.0	1		05/25/14 22:49	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		05/25/14 22:49	107-13-1	
Benzene	0.10U	ug/L	1.0	0.10	1		05/25/14 22:49	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		05/25/14 22:49	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		05/25/14 22:49	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		05/25/14 22:49	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		05/25/14 22:49	74-87-3	
1,2-Dibromo-3-chloropropane	1.0U	ug/L	2.0	1.0	1		05/25/14 22:49	96-12-8	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		05/25/14 22:49	124-48-1	
1,2-Dibromoethane (EDB)	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	106-93-4	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		05/25/14 22:49	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 22:49	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		05/25/14 22:49	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		05/25/14 22:49	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		05/25/14 22:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		05/25/14 22:49	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		05/25/14 22:49	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	75-69-4	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		05/25/14 22:49	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		05/25/14 22:49	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	75-01-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Sample: Trip Blank 5/20/14 **Lab ID:** 35138682009 Collected: 05/20/14 00:00 Received: 05/20/14 16:47 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		05/25/14 22:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-114		1		05/25/14 22:49	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	86-125		1		05/25/14 22:49	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		05/25/14 22:49	2037-26-5	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

QC Batch:	MERP/4661	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury
Associated Lab Samples:	35138682001, 35138682002, 35138682003, 35138682004, 35138682005, 35138682006, 35138682007, 35138682008		

METHOD BLANK:	912235	Matrix:	Water
Associated Lab Samples:	35138682001, 35138682002, 35138682003, 35138682004, 35138682005, 35138682006, 35138682007, 35138682008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	05/27/14 06:51	

LABORATORY CONTROL SAMPLE: 912236

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 912237 912238

Parameter	Units	35138510001 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	2.1	102	103	80-120	1	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

QC Batch:	MPRP/18622	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
Associated Lab Samples:	35138682001, 35138682002, 35138682003, 35138682004, 35138682005, 35138682006, 35138682007, 35138682008		

METHOD BLANK: 909623

Matrix: Water

Associated Lab Samples: 35138682001, 35138682002, 35138682003, 35138682004, 35138682005, 35138682006, 35138682007, 35138682008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	05/24/14 23:45	
Barium	ug/L	5.0U	10.0	05/24/14 23:45	
Beryllium	ug/L	0.50U	1.0	05/24/14 23:45	
Cadmium	ug/L	0.50U	1.0	05/24/14 23:45	
Chromium	ug/L	2.5U	5.0	05/24/14 23:45	
Cobalt	ug/L	5.0U	10.0	05/24/14 23:45	
Copper	ug/L	2.5U	5.0	05/24/14 23:45	
Iron	ug/L	20.0U	40.0	05/24/14 23:45	
Lead	ug/L	5.0U	10.0	05/24/14 23:45	
Nickel	ug/L	2.5U	5.0	05/24/14 23:45	
Selenium	ug/L	7.5U	15.0	05/24/14 23:45	
Silver	ug/L	2.5U	5.0	05/24/14 23:45	
Sodium	mg/L	0.50U	1.0	05/24/14 23:45	
Vanadium	ug/L	5.0U	10.0	05/24/14 23:45	
Zinc	ug/L	10.0U	20.0	05/24/14 23:45	

LABORATORY CONTROL SAMPLE: 909624

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	248	99	80-120	
Barium	ug/L	250	258	103	80-120	
Beryllium	ug/L	25	25.6	102	80-120	
Cadmium	ug/L	25	26.1	104	80-120	
Chromium	ug/L	250	258	103	80-120	
Cobalt	ug/L	250	263	105	80-120	
Copper	ug/L	250	253	101	80-120	
Iron	ug/L	2500	2600	104	80-120	
Lead	ug/L	250	266	106	80-120	
Nickel	ug/L	250	264	106	80-120	
Selenium	ug/L	250	259	104	80-120	
Silver	ug/L	25	26.4	106	80-120	
Sodium	mg/L	12.5	12.8	103	80-120	
Vanadium	ug/L	250	253	101	80-120	
Zinc	ug/L	1250	1280	102	80-120	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909625											
909626											
Parameter	Units	35138510004 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max	
			Spike Conc.	Spike Conc.						RPD	RPD
Arsenic	ug/L	<5.0	250	250	255	258	101	103	75-125	1	20
Barium	ug/L	10.6	250	250	274	273	105	105	75-125	.5	20
Beryllium	ug/L	<0.50	25	25	25.9	26.0	103	104	75-125	.4	20
Cadmium	ug/L	<0.50	25	25	26.0	26.1	104	104	75-125	.4	20
Chromium	ug/L	<2.5	250	250	262	262	105	105	75-125	.1	20
Cobalt	ug/L	<5.0	250	250	265	265	106	106	75-125	0	20
Copper	ug/L	14.1	250	250	273	272	104	103	75-125	.3	20
Iron	ug/L	<20.0	2500	2500	2640	2620	106	105	75-125	.7	20
Lead	ug/L	<5.0	250	250	264	264	105	105	75-125	.08	20
Nickel	ug/L	<2.5	250	250	265	265	106	106	75-125	0	20
Selenium	ug/L	<7.5	250	250	264	262	105	105	75-125	.6	20
Silver	ug/L	<2.5	25	25	27.1	27.0	106	106	75-125	.3	20
Sodium	mg/L	40.9	12.5	12.5	54.6	54.1	110	105	75-125	.9	20
Vanadium	ug/L	<5.0	250	250	261	261	103	103	75-125	.1	20
Zinc	ug/L	<10.0	1250	1250	1300	1290	103	103	75-125	.2	20

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

QC Batch:	MPRP/18623	Analysis Method:	EPA 6020
QC Batch Method:	EPA 3010	Analysis Description:	6020 MET
Associated Lab Samples:	35138682001, 35138682002, 35138682003, 35138682004, 35138682005, 35138682006, 35138682007, 35138682008		

METHOD BLANK:	909627	Matrix:	Water
Associated Lab Samples:	35138682001, 35138682002, 35138682003, 35138682004, 35138682005, 35138682006, 35138682007, 35138682008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	05/28/14 16:16	
Thallium	ug/L	0.50U	1.0	05/28/14 16:16	

LABORATORY CONTROL SAMPLE: 909628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	47.2	94	80-120	
Thallium	ug/L	50	47.2	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909629 909630

Parameter	Units	35138510004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	<0.50	50	50	46.5	47.1	93	94	75-125	1	20	
Thallium	ug/L	<0.50	50	50	48.5	48.8	97	97	75-125	.5	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

QC Batch:	MSV/11782	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	35138682001, 35138682002, 35138682003, 35138682004, 35138682005, 35138682006, 35138682007, 35138682008, 35138682009		

METHOD BLANK:	912274	Matrix:	Water
Associated Lab Samples:	35138682001, 35138682002, 35138682003, 35138682004, 35138682005, 35138682006, 35138682007, 35138682008, 35138682009		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	05/25/14 22:23	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	05/25/14 22:23	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	05/25/14 22:23	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	05/25/14 22:23	
1,1-Dichloroethane	ug/L	0.50U	1.0	05/25/14 22:23	
1,1-Dichloroethene	ug/L	0.50U	1.0	05/25/14 22:23	
1,2,3-Trichloropropane	ug/L	0.59U	1.0	05/25/14 22:23	
1,2-Dibromo-3-chloropropane	ug/L	1.0U	2.0	05/25/14 22:23	
1,2-Dibromoethane (EDB)	ug/L	0.50U	1.0	05/25/14 22:23	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	05/25/14 22:23	
1,2-Dichloroethane	ug/L	0.50U	1.0	05/25/14 22:23	
1,2-Dichloropropane	ug/L	0.50U	1.0	05/25/14 22:23	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	05/25/14 22:23	
2-Butanone (MEK)	ug/L	5.0U	10.0	05/25/14 22:23	
2-Hexanone	ug/L	5.0U	10.0	05/25/14 22:23	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	05/25/14 22:23	
Acetone	ug/L	10.0U	20.0	05/25/14 22:23	
Acrylonitrile	ug/L	5.0U	10.0	05/25/14 22:23	
Benzene	ug/L	0.10U	1.0	05/25/14 22:23	
Bromochloromethane	ug/L	0.50U	1.0	05/25/14 22:23	
Bromodichloromethane	ug/L	0.27U	0.60	05/25/14 22:23	
Bromoform	ug/L	0.50U	1.0	05/25/14 22:23	
Bromomethane	ug/L	0.50U	1.0	05/25/14 22:23	
Carbon disulfide	ug/L	5.0U	10.0	05/25/14 22:23	
Carbon tetrachloride	ug/L	0.50U	1.0	05/25/14 22:23	
Chlorobenzene	ug/L	0.50U	1.0	05/25/14 22:23	
Chloroethane	ug/L	0.50U	1.0	05/25/14 22:23	
Chloroform	ug/L	0.50U	1.0	05/25/14 22:23	
Chloromethane	ug/L	0.62U	1.0	05/25/14 22:23	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	05/25/14 22:23	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	05/25/14 22:23	
Dibromochloromethane	ug/L	0.26U	0.50	05/25/14 22:23	
Dibromomethane	ug/L	0.50U	1.0	05/25/14 22:23	
Ethylbenzene	ug/L	0.50U	1.0	05/25/14 22:23	
Iodomethane	ug/L	0.50U	1.0	05/25/14 22:23	
Methylene Chloride	ug/L	2.5U	5.0	05/25/14 22:23	
Styrene	ug/L	0.50U	1.0	05/25/14 22:23	
Tetrachloroethene	ug/L	0.50U	1.0	05/25/14 22:23	
Toluene	ug/L	0.50U	1.0	05/25/14 22:23	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	05/25/14 22:23	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

METHOD BLANK: 912274

Matrix: Water

Associated Lab Samples: 35138682001, 35138682002, 35138682003, 35138682004, 35138682005, 35138682006, 35138682007, 35138682008, 35138682009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	05/25/14 22:23	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	05/25/14 22:23	
Trichloroethene	ug/L	0.50U	1.0	05/25/14 22:23	
Trichlorofluoromethane	ug/L	0.50U	1.0	05/25/14 22:23	
Vinyl acetate	ug/L	1.0U	2.0	05/25/14 22:23	
Vinyl chloride	ug/L	0.50U	1.0	05/25/14 22:23	
Xylene (Total)	ug/L	0.50U	1.0	05/25/14 22:23	
1,2-Dichloroethane-d4 (S)	%	102	86-125	05/25/14 22:23	
4-Bromofluorobenzene (S)	%	91	70-114	05/25/14 22:23	
Toluene-d8 (S)	%	101	87-113	05/25/14 22:23	

LABORATORY CONTROL SAMPLE: 912275

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.1	105	70-130	
1,1,1-Trichloroethane	ug/L	20	21.2	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.6	113	70-130	
1,1,2-Trichloroethane	ug/L	20	21.4	107	70-130	
1,1-Dichloroethane	ug/L	20	21.3	106	70-130	
1,1-Dichloroethene	ug/L	20	20.9	105	70-130	
1,2,3-Trichloropropane	ug/L	20	19.4	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	21.8	109	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	21.2	106	70-130	
1,2-Dichlorobenzene	ug/L	20	20.9	105	70-130	
1,2-Dichloroethane	ug/L	20	20.3	101	70-130	
1,2-Dichloropropane	ug/L	20	18.4	92	70-130	
1,4-Dichlorobenzene	ug/L	20	20.2	101	70-130	
2-Butanone (MEK)	ug/L	40	50.5	126	55-167	
2-Hexanone	ug/L	40	46.7	117	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	44.0	110	70-130	
Acetone	ug/L	40	59.9	150	40-150	
Acrylonitrile	ug/L	200	237	118	70-130	
Benzene	ug/L	20	21.7	108	70-130	
Bromochloromethane	ug/L	20	22.5	113	70-130	
Bromodichloromethane	ug/L	20	20.4	102	70-130	
Bromoform	ug/L	20	19.9	100	68-130	
Bromomethane	ug/L	20	22.5	112	38-179	
Carbon disulfide	ug/L	20	25.2	126	51-155	
Carbon tetrachloride	ug/L	20	20.5	102	70-130	
Chlorobenzene	ug/L	20	20.7	104	70-130	
Chloroethane	ug/L	20	22.9	114	59-149	
Chloroform	ug/L	20	20.7	103	70-130	
Chloromethane	ug/L	20	20.3	101	68-130	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

LABORATORY CONTROL SAMPLE: 912275

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	20	20.6	103	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.0	90	70-130	
Dibromochloromethane	ug/L	20	21.3	107	70-130	
Dibromomethane	ug/L	20	20.6	103	70-130	
Ethylbenzene	ug/L	20	21.1	105	70-130	
Iodomethane	ug/L	40	37.5	94	43-160	
Methylene Chloride	ug/L	20	20.9	105	70-130	
Styrene	ug/L	20	21.2	106	70-130	
Tetrachloroethene	ug/L	20	26.3	131	66-133	
Toluene	ug/L	20	21.3	106	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.2	106	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.1	91	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	21.2	106	65-130	
Trichloroethene	ug/L	20	21.3	106	70-130	
Trichlorofluoromethane	ug/L	20	21.2	106	70-131	
Vinyl acetate	ug/L	20	20.0	100	69-135	
Vinyl chloride	ug/L	20	21.7	109	69-140	
Xylene (Total)	ug/L	60	62.1	104	70-130	
1,2-Dichloroethane-d4 (S)	%			94	86-125	
4-Bromofluorobenzene (S)	%			99	70-114	
Toluene-d8 (S)	%			98	87-113	

MATRIX SPIKE SAMPLE: 913527

Parameter	Units	35138682003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	18.6	93	39-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	19.7	98	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	19.7	99	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	19.1	96	50-130	
1,1-Dichloroethane	ug/L	0.50U	20	19.7	99	54-137	
1,1-Dichloroethene	ug/L	0.50U	20	18.7	93	45-155	
1,2,3-Trichloropropane	ug/L	0.59U	20	16.8	84	31-132	
1,2-Dibromo-3-chloropropane	ug/L	1.0U	20	18.2	91	37-130	
1,2-Dibromoethane (EDB)	ug/L	0.50U	20	18.7	93	51-132	
1,2-Dichlorobenzene	ug/L	0.50U	20	17.9	90	43-130	
1,2-Dichloroethane	ug/L	0.50U	20	18.2	91	54-130	
1,2-Dichloropropane	ug/L	0.50U	20	16.5	82	53-130	
1,4-Dichlorobenzene	ug/L	0.50U	20	17.3	87	38-130	
2-Butanone (MEK)	ug/L	5.0U	40	44.1	110	48-138	
2-Hexanone	ug/L	5.0U	40	43.6	109	38-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	42.7	107	28-143	
Acetone	ug/L	10.0U	40	46.8	103	20-140	
Acrylonitrile	ug/L	5.0U	200	209	105	46-130	
Benzene	ug/L	1.2	20	20.5	96	53-132	
Bromochloromethane	ug/L	0.50U	20	20.6	103	54-132	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

MATRIX SPIKE SAMPLE: 913527		35138682003	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromodichloromethane	ug/L	0.27U	20	18.4	92	46-130	
Bromoform	ug/L	0.50U	20	16.8	84	32-130	
Bromomethane	ug/L	0.50U	20	17.4	87	20-152	
Carbon disulfide	ug/L	5.0U	20	24.4	122	28-184	
Carbon tetrachloride	ug/L	0.50U	20	19.4	97	37-137	
Chlorobenzene	ug/L	0.78 I	20	19.6	94	46-130	
Chloroethane	ug/L	0.50U	20	19.9	100	48-159	
Chloroform	ug/L	0.50U	20	18.0	90	51-130	
Chloromethane	ug/L	0.62U	20	20.3	102	39-144	
cis-1,2-Dichloroethene	ug/L	0.50U	20	18.5	92	54-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	14.2	71	45-130	
Dibromochloromethane	ug/L	0.26U	20	18.3	91	43-130	
Dibromomethane	ug/L	0.50U	20	18.3	92	50-130	
Ethylbenzene	ug/L	0.50U	20	19.3	96	43-130	
Iodomethane	ug/L	0.50U	40	36.9	92	20-169	
Methylene Chloride	ug/L	2.5U	20	18.1	90	51-135	
Styrene	ug/L	0.50U	20	18.4	92	40-130	
Tetrachloroethene	ug/L	0.50U	20	15.9	80	26-130	
Toluene	ug/L	0.50U	20	19.1	95	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	18.2	91	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	14.8	74	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	17.3	86	20-139	
Trichloroethene	ug/L	0.50U	20	19.2	96	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	21.3	107	46-146	
Vinyl acetate	ug/L	1.0U	20	15.4	77	20-165	
Vinyl chloride	ug/L	0.50U	20	22.1	110	57-142	
Xylene (Total)	ug/L	0.50U	60	56.2	94	42-130	
1,2-Dichloroethane-d4 (S)	%				100	86-125	
4-Bromofluorobenzene (S)	%				98	70-114	
Toluene-d8 (S)	%				98	87-113	

SAMPLE DUPLICATE: 913526

Parameter	Units	35138682002	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.59U	0.59U		40	
1,2-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.: 35138682

SAMPLE DUPLICATE: 913526

Parameter	Units	35138682002 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	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	1.1	1.2	6	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	0.80 I	0.78 I		40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	
Chloromethane	ug/L	0.62U	0.62U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.50U	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane-d4 (S)	%	103	100	3		
4-Bromofluorobenzene (S)	%	92	90	3		
Toluene-d8 (S)	%	98	99	1		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

QC Batch:	OEXT/17472	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
Associated Lab Samples:	35138682001, 35138682002, 35138682003, 35138682004, 35138682005, 35138682006, 35138682007, 35138682008		

METHOD BLANK:	913260	Matrix:	Water
Associated Lab Samples:	35138682001, 35138682002, 35138682003, 35138682004, 35138682005, 35138682006, 35138682007, 35138682008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	05/28/14 19:26	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	05/28/14 19:26	

LABORATORY CONTROL SAMPLE: 913261

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.28	110	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.24	96	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 913263 913264

Parameter	Units	35138682002 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	0.0051 U	.44	.44	0.52	0.48	119	111	60-140	8	40	
1,2-Dibromoethane (EDB)	ug/L	0.0065 U	.44	.44	0.53	0.48	122	110	60-140	10	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

QC Batch:	WET/25133	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	35138682001, 35138682002, 35138682003, 35138682004, 35138682005, 35138682006, 35138682007, 35138682008		

METHOD BLANK:	910582	Matrix:	Water
Associated Lab Samples:	35138682001, 35138682002, 35138682003, 35138682004, 35138682005, 35138682006, 35138682007, 35138682008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	05/23/14 13:40	

LABORATORY CONTROL SAMPLE: 910583

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	296	99	90-110	

SAMPLE DUPLICATE: 910584

Parameter	Units	35138682007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1360	1330	2	20	

SAMPLE DUPLICATE: 910585

Parameter	Units	35138682008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	493	479	3	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

QC Batch: WETA/36042 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35138682001, 35138682002, 35138682003

METHOD BLANK: 908258 Matrix: Water

Associated Lab Samples: 35138682001, 35138682002, 35138682003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	0.043U	0.050	05/21/14 13:48	

LABORATORY CONTROL SAMPLE: 908259

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: 908260 908261

Parameter	Units	35138596008 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	0.089	5	5	5.3	5.3	104	104	90-110	.06	20	Q

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 908262 908263

Parameter	Units	35138653001 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	0.22U	25	25	25.3	25.8	101	103	90-110	2	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

QC Batch: WETA/36043

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Associated Lab Samples: 35138682004, 35138682008

METHOD BLANK: 908264

Matrix: Water

Associated Lab Samples: 35138682004, 35138682008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	0.043U	0.050	05/22/14 01:57	

LABORATORY CONTROL SAMPLE: 908265

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: 908266 908267

Parameter	Units	35138682008 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	0.043U	5	5	5.0	5.0	100	101	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 908690 908691

Parameter	Units	35138720001 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				5.2	5.2				.1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

QC Batch: WETA/36071 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35138682005, 35138682006, 35138682007

METHOD BLANK: 909369 Matrix: Water

Associated Lab Samples: 35138682005, 35138682006, 35138682007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	0.043U	0.050	05/22/14 19:58	

LABORATORY CONTROL SAMPLE: 909370

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	5.1	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909371 909372

Parameter	Units	35138888006 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	0.043U	5	5	5.0	5.0	99	100	90-110	.5	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909373 909374

Parameter	Units	35138968003 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	15.3	5	5	23.6	23.6	166	166	90-110	.05	20	J(M1), L

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

QC Batch: WETA/36048 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35138682001, 35138682002, 35138682003, 35138682004, 35138682008

METHOD BLANK: 908289 Matrix: Water
Associated Lab Samples: 35138682001, 35138682002, 35138682003, 35138682004, 35138682008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5U	5.0	05/21/14 13:48	
Sulfate	mg/L	2.5U	5.0	05/21/14 13:48	

LABORATORY CONTROL SAMPLE: 908290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.0	102	90-110	
Sulfate	mg/L	50	51.5	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 908291 908292

Parameter	Units	35138653001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	251	250	250	506	509	102	103	90-110	.5	20	
Sulfate	mg/L	2.8 l	250	250	262	266	104	105	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 908293 908294

Parameter	Units	35138682008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	63.4	50	50	114	115	102	103	90-110	.6	20	
Sulfate	mg/L	2.5U	50	50	51.4	51.7	102	103	90-110	.8	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

QC Batch: WETA/36072 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35138682005, 35138682006, 35138682007

METHOD BLANK: 909375 Matrix: Water

Associated Lab Samples: 35138682005, 35138682006, 35138682007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5U	5.0	05/22/14 09:16	
Sulfate	mg/L	2.5U	5.0	05/22/14 09:16	

LABORATORY CONTROL SAMPLE: 909376

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.4	97	90-110	
Sulfate	mg/L	50	47.9	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 910141 910142

Parameter	Units	35138968003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	146	50	50	220	220	147	147	90-110	.07	20	J(M1), L
Sulfate	mg/L	49.5	50	50	104	104	109	109	90-110	.02	20	L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 910144 910145

Parameter	Units	35138877004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	24.4	50	50	78.5	78.3	108	108	90-110	.2	20	
Sulfate	mg/L	53.6	50	50	110	110	113	113	90-110	.01	20	J(M1), L

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

QC Batch: WETA/36198

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Associated Lab Samples: 35138682001, 35138682002

METHOD BLANK: 913170

Matrix: Water

Associated Lab Samples: 35138682001, 35138682002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.050	05/28/14 11:23	

LABORATORY CONTROL SAMPLE: 913171

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	101	90-110	

MATRIX SPIKE SAMPLE: 913173

Parameter	Units	35137976001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1.1	1	2.0	96	90-110	

SAMPLE DUPLICATE: 913172

Parameter	Units	35137976001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	1.1	1.1	.3	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

QC Batch: WETA/36199 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35138682003, 35138682004, 35138682005, 35138682006, 35138682007, 35138682008

METHOD BLANK: 913174 Matrix: Water
Associated Lab Samples: 35138682003, 35138682004, 35138682005, 35138682006, 35138682007, 35138682008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.050	05/28/14 11:54	

LABORATORY CONTROL SAMPLE: 913175

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	101	90-110	

MATRIX SPIKE SAMPLE: 913177

Parameter	Units	35138682003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.11	1	0.95	84	90-110	J(M1)

SAMPLE DUPLICATE: 913176

Parameter	Units	35138682003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.11	0.11	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

QC Batch: WETA/36106

Analysis Method: EPA 353.2

QC Batch Method: EPA 353.2

Analysis Description: 353.2 Nitrate + Nitrite, Unpres.

Associated Lab Samples: 35138682004

METHOD BLANK: 910262

Matrix: Water

Associated Lab Samples: 35138682004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.029U	0.050	05/22/14 15:12	

LABORATORY CONTROL SAMPLE: 910263

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1	1.1	107	90-110	

MATRIX SPIKE SAMPLE: 913616

Parameter	Units	35138682004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	0.029U	1	0.88	88	90-110	J(M1),Q

SAMPLE DUPLICATE: 913615

Parameter	Units	35138682004 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.029U	0.029U			Q

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QUALIFIERS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 35138682

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.

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TNI - The NELAC Institute.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

BATCH QUALIFIERS

Batch: WETA/36198

[1] Samples were not distilled.

Batch: WETA/36199

[1] Samples were not distilled.

ANALYTE QUALIFIERS

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

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.

Q Sample held beyond the accepted holding time.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35138682002	B81-4		FLD/		
35138682003	B81-4 Duplicate		FLD/		
35138682004	B86		FLD/		
35138682005	B79-6		FLD/		
35138682006	B79-1		FLD/		
35138682007	B85-6		FLD/		
35138682008	B85-F		FLD/		
35138682001	EQ Blank 5/20/14	EPA 8011	OEXT/17472	EPA 8011	GCSV/11434
35138682002	B81-4	EPA 8011	OEXT/17472	EPA 8011	GCSV/11434
35138682003	B81-4 Duplicate	EPA 8011	OEXT/17472	EPA 8011	GCSV/11434
35138682004	B86	EPA 8011	OEXT/17472	EPA 8011	GCSV/11434
35138682005	B79-6	EPA 8011	OEXT/17472	EPA 8011	GCSV/11434
35138682006	B79-1	EPA 8011	OEXT/17472	EPA 8011	GCSV/11434
35138682007	B85-6	EPA 8011	OEXT/17472	EPA 8011	GCSV/11434
35138682008	B85-F	EPA 8011	OEXT/17472	EPA 8011	GCSV/11434
35138682001	EQ Blank 5/20/14	EPA 3010	MPRP/18622	EPA 6010	ICP/11518
35138682002	B81-4	EPA 3010	MPRP/18622	EPA 6010	ICP/11518
35138682003	B81-4 Duplicate	EPA 3010	MPRP/18622	EPA 6010	ICP/11518
35138682004	B86	EPA 3010	MPRP/18622	EPA 6010	ICP/11518
35138682005	B79-6	EPA 3010	MPRP/18622	EPA 6010	ICP/11518
35138682006	B79-1	EPA 3010	MPRP/18622	EPA 6010	ICP/11518
35138682007	B85-6	EPA 3010	MPRP/18622	EPA 6010	ICP/11518
35138682008	B85-F	EPA 3010	MPRP/18622	EPA 6010	ICP/11518
35138682001	EQ Blank 5/20/14	EPA 3010	MPRP/18623	EPA 6020	ICPM/7531
35138682002	B81-4	EPA 3010	MPRP/18623	EPA 6020	ICPM/7531
35138682003	B81-4 Duplicate	EPA 3010	MPRP/18623	EPA 6020	ICPM/7531
35138682004	B86	EPA 3010	MPRP/18623	EPA 6020	ICPM/7531
35138682005	B79-6	EPA 3010	MPRP/18623	EPA 6020	ICPM/7531
35138682006	B79-1	EPA 3010	MPRP/18623	EPA 6020	ICPM/7531
35138682007	B85-6	EPA 3010	MPRP/18623	EPA 6020	ICPM/7531
35138682008	B85-F	EPA 3010	MPRP/18623	EPA 6020	ICPM/7531
35138682001	EQ Blank 5/20/14	EPA 7470	MERP/4661	EPA 7470	MERC/4657
35138682002	B81-4	EPA 7470	MERP/4661	EPA 7470	MERC/4657
35138682003	B81-4 Duplicate	EPA 7470	MERP/4661	EPA 7470	MERC/4657
35138682004	B86	EPA 7470	MERP/4661	EPA 7470	MERC/4657
35138682005	B79-6	EPA 7470	MERP/4661	EPA 7470	MERC/4657
35138682006	B79-1	EPA 7470	MERP/4661	EPA 7470	MERC/4657
35138682007	B85-6	EPA 7470	MERP/4661	EPA 7470	MERC/4657
35138682008	B85-F	EPA 7470	MERP/4661	EPA 7470	MERC/4657
35138682001	EQ Blank 5/20/14	EPA 8260	MSV/11782		
35138682002	B81-4	EPA 8260	MSV/11782		
35138682003	B81-4 Duplicate	EPA 8260	MSV/11782		
35138682004	B86	EPA 8260	MSV/11782		
35138682005	B79-6	EPA 8260	MSV/11782		
35138682006	B79-1	EPA 8260	MSV/11782		
35138682007	B85-6	EPA 8260	MSV/11782		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35138682

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35138682008	B85-F	EPA 8260	MSV/11782		
35138682009	Trip Blank 5/20/14	EPA 8260	MSV/11782		
35138682001	EQ Blank 5/20/14	SM 2540C	WET/25133		
35138682002	B81-4	SM 2540C	WET/25133		
35138682003	B81-4 Duplicate	SM 2540C	WET/25133		
35138682004	B86	SM 2540C	WET/25133		
35138682005	B79-6	SM 2540C	WET/25133		
35138682006	B79-1	SM 2540C	WET/25133		
35138682007	B85-6	SM 2540C	WET/25133		
35138682008	B85-F	SM 2540C	WET/25133		
35138682001	EQ Blank 5/20/14	EPA 300.0	WETA/36042		
35138682002	B81-4	EPA 300.0	WETA/36042		
35138682003	B81-4 Duplicate	EPA 300.0	WETA/36042		
35138682004	B86	EPA 300.0	WETA/36043		
35138682005	B79-6	EPA 300.0	WETA/36071		
35138682006	B79-1	EPA 300.0	WETA/36071		
35138682007	B85-6	EPA 300.0	WETA/36071		
35138682008	B85-F	EPA 300.0	WETA/36043		
35138682001	EQ Blank 5/20/14	EPA 300.0	WETA/36048		
35138682002	B81-4	EPA 300.0	WETA/36048		
35138682003	B81-4 Duplicate	EPA 300.0	WETA/36048		
35138682004	B86	EPA 300.0	WETA/36048		
35138682005	B79-6	EPA 300.0	WETA/36072		
35138682006	B79-1	EPA 300.0	WETA/36072		
35138682007	B85-6	EPA 300.0	WETA/36072		
35138682008	B85-F	EPA 300.0	WETA/36048		
35138682001	EQ Blank 5/20/14	EPA 350.1	WETA/36198		
35138682002	B81-4	EPA 350.1	WETA/36198		
35138682003	B81-4 Duplicate	EPA 350.1	WETA/36199		
35138682004	B86	EPA 350.1	WETA/36199		
35138682005	B79-6	EPA 350.1	WETA/36199		
35138682006	B79-1	EPA 350.1	WETA/36199		
35138682007	B85-6	EPA 350.1	WETA/36199		
35138682008	B85-F	EPA 350.1	WETA/36199		
35138682004	B86	EPA 353.2	WETA/36106		

REPORT OF LABORATORY ANALYSIS

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Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: VOLUNTA COUNTY SOLID WASTE		SITE LOCATION: BENZENE	
WELL NO: 1	SAMPLE ID: B 81-4/DUPLICATE	DATE: 5-20-14	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE:			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N <input type="checkbox"/> TUBING <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>				DUPLICATE: <input checked="" type="checkbox"/> N <input type="checkbox"/>						
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	2	PG	1000	HCl		6.33	70% Nitric, CI		PP	400
	2	J	250	HNO3		2.2	6010, 6020 / Hg, Mn, Pb		J	↓
	2	J	250	H2SO4		2.2	NH3		J	↓
	4	CG	40	HCl		6.33	8011 BAP		J	100
	6	CG	40	HCL		2.2	8026 VOC		RFPP	100
REMARKS:										
ORP - 32.2 ORP - 40.0 ORP - 45.7 ORP - 52.3										
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 LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** $\pm 0.2^{\circ}\text{C}$ **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $\pm 0.2\text{ mg/L}$ or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings $\leq 20\text{ NTU}$; optionally $\pm 5\text{ NTU}$ or $\pm 10\%$ (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>VALUOLA COUNTY SOLID WASTE</u>		SITE LOCATION: <u>BENZENE</u>	
WELL NO: <u>2</u>	SAMPLE ID: <u>B-86</u>	DATE: <u>8-20-14</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <u>7.45</u>	PURGE PUMP TYPE OR BAILER: <u>PP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = <u>52.25</u> feet - <u>7.45</u> feet X <u>0.16</u> gallons/foot = <u>7.168</u> 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): <u>10</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>14</u>	PURGING INITIATED AT: <u>1007</u>	PURGING ENDED AT: <u>1050</u>	TOTAL VOLUME PURGED (gallons): <u>10.75</u>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) <u>µmhos/cm</u> or <u>µS/cm</u>	DISSOLVED OXYGEN (circle units) <u>mg/L</u> or <u>% saturation</u>	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1036	7.25	7.25	0.25	12.52	6.38	22.62	2121	0.20	3.23	yellow	slight
1043	1.75	9.00	1	12.28	6.38	22.73	2124	0.20	1.28	1	1
1050	1.75	10.75	1	12.20	6.40	22.65	2107	0.21	0.94	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: <u>MARK GIBERTI / PACE</u>		SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>		SAMPLING INITIATED AT: <u>1050</u>	SAMPLING ENDED AT: <u>1057</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>14</u>		TUBING MATERIAL CODE: <u>PE.S</u>		FIELD-FILTERED: Y <u>(N)</u>	FILTER SIZE: <u>0.45</u> µm
FIELD DECONTAMINATION: PUMP <u>(Y)</u> N		TUBING <u>(Y)</u> N (replaced)		DUPLICATE: Y <u>(N)</u>	

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			
	1	PE	1000	ICE		6.40	705 NITRATE, CL	PP	400
	1	↓	250	HNO3		<2	6010, 6020 / Hg METALS	↓	↓
	1	↓	250	H2SO4		<2	NH3	↓	↓
	2	CG	40	ICE		6.40	8011 EOB	↓	100
	3	CG	40	HCL		<2	8026 VOC	RFPP	100

REMARKS: AP-70.0 ORP-70.2 ORP-70.3

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; RFPF = 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 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: VOLUNTEER COUNTY SOLID WASTE		SITE LOCATION: BENZENE	
WELL NO: 3	SAMPLE ID: B 79-6	DATE: 5-20-14	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLING DATA										
SAMPLED BY (PRINT) / AFFILIATION: MANA GILBERT / PACE				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: 12/11		SAMPLING ENDED AT: 12/17	
PUMP OR TUBING DEPTH IN WELL (feet): 8				TUBING MATERIAL CODE: PE 5			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N <input type="checkbox"/>				TUBING <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>			DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			
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				
	1	PE	1000	ICE		6.32	105 MINUTE CL	PP	400	
	1	↓	250	HNO3		7.2	60/60/100% MORGAN	↓	↓	
	1	↓	250	H2SO4		7.2	NH3	↓	↓	
	2	CG	40	ICE		6.32	8011 COB		100	
	3	CG	40	HCL		7.2	8020 VOL	RFPP	100	
REMARKS: OAP-80.3 OEP-80.5 OEP-80.3										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: AFP = After Peristaltic Pump; B = Bailor; 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 LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

2. **STABILIZATION CRITERIA** FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (USE 10% LEVELS, IF AVAILABLE):
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: VOLUSIA COUNTY SOLID WASTE	SITE LOCATION: BENZENE
WELL NO: 4	SAMPLE ID: B 79-1
DATE: 5-20-14	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.20	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) = (43.40 feet - 7.20 feet) X 0.16 gallons/foot = 5.792 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: 1224	PURGING ENDED AT: 1257	TOTAL VOLUME PURGED (gallons): 11.00

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)
1245	8.00	8.00	0.25	7.49	6.27	22.91	2821	0.13	3.99	Yellow	Sulfur
1251	1.50	9.50	1	7.49	6.27	22.93	2833	0.15	3.02	1	1
1257	1.50	11.00	1	7.50	6.27	22.98	2835	0.17	5.72	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 CUBERT / PACE	SAMPLER(S) SIGNATURE(S): [Signature]	SAMPLING INITIATED AT: 1257	SAMPLING ENDED AT: 1303
PUMP OR TUBING DEPTH IN WELL (feet): 9	TUBING MATERIAL CODE: PE.5	FIELD-FILTERED: Y <input checked="" type="checkbox"/>	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: Y <input checked="" type="checkbox"/>	

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			
	1	PB	1000	ICE		6.27	TOX, METALS, CI, BOD, BOD ₅ , Hg, Mn, Ni, Pb, Se, TC, TH, TSS, VFA, Zn	PP	400
	1	↓	250	HNO ₃		< 2			
	1	↓	250	H ₂ SO ₄		< 2	NH ₃	↓	↓
	2	CG	40	ICE		6.27	DOH EOB	↓	100
	3	CG	40	HCL		< 2	DOH VOL	RFPP	100

REMARKS: ORP-54.4 ORP-52.3 ORP-49.7

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; 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 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: VOLUNTA COUNTY SOLID WASTE		SITE LOCATION: BENZENE	
WELL NO: 5	SAMPLE ID: B 8 S 6		DATE: 5.20.14

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.10	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) = 50.00 feet - 7.10 feet X 0.16 gallons/foot = 6.864 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):	8		FINAL PUMP OR TUBING DEPTH IN WELL (feet):	9	PURGING INITIATED AT:	1321	PURGING ENDED AT:	1416	TOTAL VOLUME PURGED (gallons):	4.00

[illegible]

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 / ACE		SAMPLER(S) SIGNATURE(S): <i>Mark Gilbert</i>		SAMPLING INITIATED AT: 1416	SAMPLING ENDED AT: 1422
PUMP OR TUBING DEPTH IN WELL (feet): 9		TUBING MATERIAL CODE: PE.5		FIELD-FILTERED: Y <input checked="" type="checkbox"/>	FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)				DUPLICATE: Y <input checked="" type="checkbox"/>	

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			
	1	PE	1000	ICE		6.50	705 MINUTE, CI	PP	400
	1	↓	250	HNO3		<2	6010 6020 Hg metals	↓	↓
	1	↓	250	H2SO4		<2	NH3	↓	↓
	2	CG	40	ICE		6.30	9011 EOB	↓	100
	3	CG	40	HCL		<2	B026 V02	RTFP	100

REMARKS:

ORP-53.4 ORP-53.5 ORP-53.8 ORP-52.9 ORP-53.1

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 LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: VOLUSIA COUNTY SOLID WASTE	SITE LOCATION: BENZENE
WELL NO: 6	SAMPLE ID: B85-F
DATE: 5-20-14	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.20	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) = 96.00 feet - 10.20 feet X 0.16 gallons/foot = 13.728 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): 12	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12	PURGING INITIATED AT: 1423	PURGING ENDED AT: 1546	TOTAL VOLUME PURGED (gallons): 20.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1518	13.75	13.75	0.25	10.33	7.22	23.04	716	0.08	1.70	Yellow	Sulfur
1532	3.50	17.25	1	1	7.13	23.04	739	0.20	1.07	1	1
1546	3.50	20.75	1	1	7.09	22.95	745	0.13	0.79	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 / PACE	SAMPLER(S) SIGNATURE(S): [Signature]	SAMPLING INITIATED AT: 1516	SAMPLING ENDED AT: 1552
PUMP OR TUBING DEPTH IN WELL (feet): 12	TUBING MATERIAL CODE: PE, S	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: <input type="text"/> μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N <input type="checkbox"/> TUBING <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		

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			
	1	PE	1000	HCL		7.09	TOXIN/HAZ/ELI 6019602/HYDRA NH3 B201 EOB B206 VOL	PP ↓ RFPP	400 ↓ 100 100
	1	↓	250	H2SO4		<2			
	1	↓	250	H2SO4		<2			
	2	CG	40	HCL		7.09			
	3	CG	40	HCL		<2			

REMARKS: ORP-104.1 ORP-103.6 ORP-99.1

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 LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Volusia County Solid Waste</u>		SITE LOCATION: <u>BENZENE</u>	
WELL NO: <u>0</u>	SAMPLE ID: <u>ER</u>	DATE: <u>5-20-14</u>	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE:		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> Filtration Equipment Type:			FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING <input checked="" type="checkbox"/> N (replaced)							DUPLICATE: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>			
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				
	1	PE	1000	ICE			TOS, NITRATE, CI	PP	400	
	1		250	HNO3		<2	60106020/Hydroxyl			
	1		250	H2SO4		<2	NH3			
	2	CG	40	ICE			8011 EOB		100	
	3	CG	40	MCL		<2	8026 VOL	RFPP	100	
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 = 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.

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Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: Volusia County Solid Waste

Project # 35138682

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: T167 Type of Ice: Wet Blue: None

Cooler Temperature °C: 1.1 (Visual) 0.3 (Correction Factor) 0.8 (Actual)

0.7 0.3 0.4

(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	<input type="checkbox"/>
Chain of Custody Filled Out	<input type="checkbox"/>
Relinquished Signature & Sampler Name COC	<input type="checkbox"/>
Samples Arrived within Hold Time	<input type="checkbox"/>
Sufficient Volume	<input type="checkbox"/>
Correct Containers Used	<input type="checkbox"/>
Containers Intact	<input type="checkbox"/>
Sample Labels match COC (sample IDs & date/time of collection)	<input type="checkbox"/>
	No Labels: <input type="checkbox"/> No Time/Date on Labels: <input type="checkbox"/>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/>
No Headspace in VOA Vials (>6mm):	<input type="checkbox"/>

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: _____