

September 09, 2013

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

RE: Project: Tomoka LF Benzene Remediation
Pace Project No.: 35105828

Dear Ms. Stirk:

Enclosed are the analytical results for sample(s) received by the laboratory on August 26, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Jeff Baylor

jeff.baylor@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.: 35105828

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35105828001	Equip. Blank (8/26/13)	Water	08/26/13 11:35	08/26/13 17:20
35105828002	B41-1	Water	08/26/13 12:14	08/26/13 17:20
35105828003	B41-1 Dup	Water	08/26/13 12:14	08/26/13 17:20
35105828004	B43-1	Water	08/26/13 13:10	08/26/13 17:20
35105828005	B45-1	Water	08/26/13 13:58	08/26/13 17:20
35105828006	B45-2	Water	08/26/13 14:23	08/26/13 17:20
35105828007	B83	Water	08/26/13 15:32	08/26/13 17:20
35105828008	B76-6	Water	08/26/13 16:36	08/26/13 17:20
35105828009	Trip Blank 1 (8/26/13)	Water	08/26/13 08:00	08/26/13 17:20

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35105828001	Equip. Blank (8/26/13)	EPA 8011	JLR	2	PASI-O
		EPA 6010	JTJ	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	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	CLS	1	PASI-O
35105828002	B41-1	EPA 8011	JLR	2	PASI-O
		EPA 6010	JTJ	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	51	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	CLS	1	PASI-O
35105828003	B41-1 Dup	EPA 8011	JLR	2	PASI-O
		EPA 6010	JTJ	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	51	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	CLS	1	PASI-O
35105828004	B43-1	EPA 8011	JLR	2	PASI-O
		EPA 6010	JTJ	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	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	CLS	1	PASI-O
35105828005	B45-1	EPA 8011	JLR	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35105828006	B45-2	EPA 6010	JTJ	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	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	CLS	1	PASI-O
		EPA 8011	JLR	2	PASI-O
		EPA 6010	JTJ	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
35105828007	B83	EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	CLS	1	PASI-O
		EPA 8011	JLR	2	PASI-O
		EPA 6010	JTJ	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	50	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	CLS	1	PASI-O
		EPA 8011	JLR	2	PASI-O
		EPA 6010	JTJ	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
35105828008	B76-6	EPA 8260	SK	49	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	CLS	1	PASI-O
		EPA 8011	JLR	2	PASI-O
		EPA 6010	JTJ	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	IRL, JNZ	2	PASI-O
		EPA 350.1	CLS	1	PASI-O
		EPA 8260	SK	49	PASI-O
35105828009	Trip Blank 1 (8/26/13)	EPA 8260	SK	49	PASI-O

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: Equip. Blank (8/26/13) **Lab ID: 35105828001** Collected: 08/26/13 11:35 Received: 08/26/13 17:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0049U	ug/L	0.020	0.0049	1	08/27/13 13:15	08/27/13 19:33	96-12-8	
1,2-Dibromoethane (EDB)	0.0062U	ug/L	0.010	0.0062	1	08/27/13 13:15	08/27/13 19:33	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 14:50	7440-38-2	
Barium	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 14:50	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 14:50	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 14:50	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 14:50	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 14:50	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 14:50	7440-50-8	
Iron	20.0U	ug/L	40.0	20.0	1	08/27/13 05:30	08/27/13 14:50	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 14:50	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 14:50	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	08/27/13 05:30	08/27/13 14:50	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 14:50	7440-22-4	
Sodium	0.50U	mg/L	1.0	0.50	1	08/27/13 05:30	08/27/13 14:50	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 14:50	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	08/27/13 05:30	08/27/13 14:50	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 23:07	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 23:07	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	08/28/13 04:10	08/28/13 12:45	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	5.0U	ug/L	10.0	5.0	1		08/31/13 16:28	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		08/31/13 16:28	107-13-1	
Benzene	0.10U	ug/L	1.0	0.10	1		08/31/13 16:28	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		08/31/13 16:28	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		08/31/13 16:28	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		08/31/13 16:28	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		08/31/13 16:28	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		08/31/13 16:28	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: Equip. Blank (8/26/13) **Lab ID: 35105828001** Collected: 08/26/13 11:35 Received: 08/26/13 17:20 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		08/31/13 16:28	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		08/31/13 16:28	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		08/31/13 16:28	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		08/31/13 16:28	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		08/31/13 16:28	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		08/31/13 16:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		08/31/13 16:28	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		08/31/13 16:28	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		08/31/13 16:28	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		08/31/13 16:28	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		08/31/13 16:28	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-114		1		08/31/13 16:28	460-00-4	
Dibromofluoromethane (S)	104	%	88-117		1		08/31/13 16:28	1868-53-7	
1,2-Dichloroethane-d4 (S)	92	%	86-125		1		08/31/13 16:28	17060-07-0	
Toluene-d8 (S)	102	%	87-113		1		08/31/13 16:28	2037-26-5	
2540C Total Dissolved Solids Analytical Method: SM 2540C									
Total Dissolved Solids	5.0U	mg/L	5.0	5.0	1		08/30/13 05:42		
300.0 IC Anions Analytical Method: EPA 300.0									
Nitrate as N	0.025U	mg/L	0.050	0.025	1		08/27/13 16:23	14797-55-8	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	2.5U	mg/L	5.0	2.5	1		08/27/13 16:23	16887-00-6	
Sulfate	2.5U	mg/L	5.0	2.5	1		08/27/13 16:23	14808-79-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: Equip. Blank (8/26/13)		Lab ID: 35105828001	Collected: 08/26/13 11:35	Received: 08/26/13 17:20	Matrix: Water				
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	0.020U	mg/L	0.050	0.020	1		08/29/13 12:33	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 35105828

Sample: B41-1 Lab ID: 35105828002 Collected: 08/26/13 12:14 Received: 08/26/13 17:20 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.15	Std. Units			1		08/26/13 12:14		
Field Temperature	23.31	deg C			1		08/26/13 12:14		
Appearance	Color: Yellow, Sheen: none				1		08/26/13 12:14		
Field Specific Conductance	2025	umhos/cm			1		08/26/13 12:14		
Oxygen, Dissolved	0.36	mg/L			1		08/26/13 12:14	7782-44-7	
REDOX	-182.1	mV			1		08/26/13 12:14		
Turbidity	1.84	NTU			1		08/26/13 12:14		
Water Level(NGVD)	17.96	feet			1		08/26/13 12:14		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0048U	ug/L	0.020	0.0048	1	08/27/13 13:15	08/27/13 19:48	96-12-8	
1,2-Dibromoethane (EDB)	0.0061U	ug/L	0.0098	0.0061	1	08/27/13 13:15	08/27/13 19:48	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:09	7440-38-2	
Barium	312	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:09	7440-39-3	
Beryllium	0.63 I	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:09	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:09	7440-43-9	
Chromium	5.3	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:09	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:09	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:09	7440-50-8	
Iron	25000	ug/L	40.0	20.0	1	08/27/13 05:30	08/27/13 15:09	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:09	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:09	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	08/27/13 05:30	08/27/13 15:09	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:09	7440-22-4	
Sodium	162	mg/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:09	7440-23-5	
Vanadium	10.1	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:09	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	08/27/13 05:30	08/27/13 15:09	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 23:28	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 23:28	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	08/28/13 04:10	08/28/13 12:47	7439-97-6	J(M1)
8260 MSV Analytical Method: EPA 8260									
Acetone	5.0U	ug/L	10.0	5.0	1		08/31/13 23:15	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		08/31/13 23:15	107-13-1	
Benzene	0.55 I	ug/L	1.0	0.10	1		08/31/13 23:15	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		08/31/13 23:15	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: B41-1 **Lab ID: 35105828002** Collected: 08/26/13 12:14 Received: 08/26/13 17:20 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		08/31/13 23:15	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		08/31/13 23:15	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		08/31/13 23:15	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	56-23-5	
Chlorobenzene	4.3	ug/L	1.0	0.50	1		08/31/13 23:15	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		08/31/13 23:15	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		08/31/13 23:15	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		08/31/13 23:15	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		08/31/13 23:15	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		08/31/13 23:15	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		08/31/13 23:15	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		08/31/13 23:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		08/31/13 23:15	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		08/31/13 23:15	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		08/31/13 23:15	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		08/31/13 23:15	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	1330-20-7	
m&p-Xylene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	179601-23-1	
o-Xylene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100 %		70-114		1		08/30/13 22:28	460-00-4	
4-Bromofluorobenzene (S)	96 %		70-114		1		08/31/13 23:15	460-00-4	
Dibromofluoromethane (S)	104 %		88-117		1		08/31/13 23:15	1868-53-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: B41-1		Lab ID: 35105828002		Collected: 08/26/13 12:14		Received: 08/26/13 17:20		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Surrogates									
Dibromofluoromethane (S)	115 %		88-117		1		08/30/13 22:28	1868-53-7	
1,2-Dichloroethane-d4 (S)	89 %		86-125		1		08/31/13 23:15	17060-07-0	
1,2-Dichloroethane-d4 (S)	99 %		86-125		1		08/30/13 22:28	17060-07-0	
Toluene-d8 (S)	103 %		87-113		1		08/31/13 23:15	2037-26-5	
Toluene-d8 (S)	99 %		87-113		1		08/30/13 22:28	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	1230	mg/L	10.0	10.0	1		08/30/13 05:42		
300.0 IC Anions		Analytical Method: EPA 300.0							
Nitrate as N	0.25U	mg/L	0.50	0.25	10		08/27/13 14:46	14797-55-8	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	178	mg/L	25.0	12.5	5		08/31/13 06:22	16887-00-6	
Sulfate	48.0	mg/L	25.0	12.5	5		08/31/13 06:22	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	72.0	mg/L	0.50	0.20	10		08/29/13 14:51	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 35105828

Sample: B41-1 Dup Lab ID: 35105828003 Collected: 08/26/13 12:14 Received: 08/26/13 17:20 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.15	Std. Units			1		08/26/13 12:14		
Field Temperature	23.31	deg C			1		08/26/13 12:14		
Appearance	Color: Yellow, Sheen: none				1		08/26/13 12:14		
Field Specific Conductance	2025	umhos/cm			1		08/26/13 12:14		
Oxygen, Dissolved	0.36	mg/L			1		08/26/13 12:14	7782-44-7	
REDOX	-182.1	mV			1		08/26/13 12:14		
Turbidity	1.84	NTU			1		08/26/13 12:14		
Water Level(NGVD)	17.96	feet			1		08/26/13 12:14		
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	08/27/13 13:15	08/27/13 20:03	96-12-8	
1,2-Dibromoethane (EDB)	0.0063U	ug/L	0.010	0.0063	1	08/27/13 13:15	08/27/13 20:03	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:13	7440-38-2	
Barium	292	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:13	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:13	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:13	7440-43-9	
Chromium	5.0 I	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:13	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:13	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:13	7440-50-8	
Iron	25000	ug/L	40.0	20.0	1	08/27/13 05:30	08/27/13 15:13	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:13	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:13	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	08/27/13 05:30	08/27/13 15:13	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:13	7440-22-4	
Sodium	162	mg/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:13	7440-23-5	
Vanadium	9.7 I	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:13	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	08/27/13 05:30	08/27/13 15:13	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 23:31	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 23:31	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	08/28/13 04:10	08/28/13 12:54	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	5.0U	ug/L	10.0	5.0	1		08/31/13 23:40	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		08/31/13 23:40	107-13-1	
Benzene	0.48 I	ug/L	1.0	0.10	1		08/31/13 23:40	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		08/31/13 23:40	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: B41-1 Dup **Lab ID: 35105828003** Collected: 08/26/13 12:14 Received: 08/26/13 17:20 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		08/31/13 23:40	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		08/31/13 23:40	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		08/31/13 23:40	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	56-23-5	
Chlorobenzene	4.1	ug/L	1.0	0.50	1		08/31/13 23:40	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		08/31/13 23:40	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		08/31/13 23:40	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		08/31/13 23:40	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		08/31/13 23:40	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		08/31/13 23:40	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		08/31/13 23:40	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		08/31/13 23:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		08/31/13 23:40	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		08/31/13 23:40	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		08/31/13 23:40	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		08/31/13 23:40	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	1330-20-7	
m&p-Xylene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	179601-23-1	
o-Xylene	0.50U	ug/L	1.0	0.50	1		08/31/13 23:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97 %		70-114		1		08/30/13 23:15	460-00-4	
4-Bromofluorobenzene (S)	98 %		70-114		1		08/31/13 23:40	460-00-4	
Dibromofluoromethane (S)	104 %		88-117		1		08/31/13 23:40	1868-53-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: B41-1 Dup		Lab ID: 35105828003		Collected: 08/26/13 12:14		Received: 08/26/13 17:20		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Surrogates									
Dibromofluoromethane (S)	114 %		88-117		1		08/30/13 23:15	1868-53-7	
1,2-Dichloroethane-d4 (S)	89 %		86-125		1		08/31/13 23:40	17060-07-0	
1,2-Dichloroethane-d4 (S)	97 %		86-125		1		08/30/13 23:15	17060-07-0	
Toluene-d8 (S)	99 %		87-113		1		08/30/13 23:15	2037-26-5	
Toluene-d8 (S)	101 %		87-113		1		08/31/13 23:40	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	1220 mg/L		10.0	10.0	1		08/30/13 05:42		
300.0 IC Anions		Analytical Method: EPA 300.0							
Nitrate as N	0.25U mg/L		0.50	0.25	10		08/27/13 14:58	14797-55-8	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	183 mg/L		25.0	12.5	5		08/31/13 06:42	16887-00-6	
Sulfate	47.1 mg/L		25.0	12.5	5		08/31/13 06:42	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	69.2 mg/L		0.50	0.20	10		08/29/13 14:52	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: B43-1		Lab ID: 35105828004		Collected: 08/26/13 13:10		Received: 08/26/13 17:20		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	5.80	Std. Units			1		08/26/13 13:10		
Field Temperature	23.17	deg C			1		08/26/13 13:10		
Appearance	Color: none, Sheen: none				1		08/26/13 13:10		
Field Specific Conductance	694	umhos/cm			1		08/26/13 13:10		
Oxygen, Dissolved	0.63	mg/L			1		08/26/13 13:10	7782-44-7	
REDOX	-163.8	mV			1		08/26/13 13:10		
Turbidity	0.37	NTU			1		08/26/13 13:10		
Water Level(NGVD)	21.67	feet			1		08/26/13 13:10		
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	08/27/13 13:15	08/27/13 20:34	96-12-8	
1,2-Dibromoethane (EDB)	0.0065U	ug/L	0.011	0.0065	1	08/27/13 13:15	08/27/13 20:34	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:16	7440-38-2	
Barium	142	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:16	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:16	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:16	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:16	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:16	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:16	7440-50-8	
Iron	23400	ug/L	40.0	20.0	1	08/27/13 05:30	08/27/13 15:16	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:16	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:16	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	08/27/13 05:30	08/27/13 15:16	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:16	7440-22-4	
Sodium	82.5	mg/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:16	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:16	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	08/27/13 05:30	08/27/13 15:16	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 23:35	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 23:35	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	08/28/13 04:10	08/28/13 12:56	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Acetone	5.0U	ug/L	10.0	5.0	1		09/01/13 00:04	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		09/01/13 00:04	107-13-1	
Benzene	0.10U	ug/L	1.0	0.10	1		09/01/13 00:04	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		09/01/13 00:04	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: B43-1 **Lab ID: 35105828004** Collected: 08/26/13 13:10 Received: 08/26/13 17:20 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		09/01/13 00:04	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		09/01/13 00:04	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		09/01/13 00:04	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	56-23-5	
Chlorobenzene	1.7	ug/L	1.0	0.50	1		09/01/13 00:04	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		09/01/13 00:04	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		09/01/13 00:04	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		09/01/13 00:04	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		09/01/13 00:04	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		09/01/13 00:04	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		09/01/13 00:04	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		09/01/13 00:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		09/01/13 00:04	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		09/01/13 00:04	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		09/01/13 00:04	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		09/01/13 00:04	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		09/01/13 00:04	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95 %		70-114		1		09/01/13 00:04	460-00-4	
Dibromofluoromethane (S)	105 %		88-117		1		09/01/13 00:04	1868-53-7	
1,2-Dichloroethane-d4 (S)	89 %		86-125		1		09/01/13 00:04	17060-07-0	
Toluene-d8 (S)	100 %		87-113		1		09/01/13 00:04	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: B43-1 Lab ID: 35105828004 Collected: 08/26/13 13:10 Received: 08/26/13 17:20 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids Analytical Method: SM 2540C									
Total Dissolved Solids	419	mg/L	5.0	5.0	1		08/30/13 05:42		
300.0 IC Anions Analytical Method: EPA 300.0									
Nitrate as N	0.025U	mg/L	0.050	0.025	1		08/27/13 15:11	14797-55-8	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	83.1	mg/L	5.0	2.5	1		08/27/13 15:11	16887-00-6	L
Sulfate	25.1	mg/L	5.0	2.5	1		08/27/13 15:11	14808-79-8	
350.1 Ammonia Analytical Method: EPA 350.1									
Nitrogen, Ammonia	2.0	mg/L	0.050	0.020	1		08/29/13 12:36	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: B45-1 Lab ID: 35105828005 Collected: 08/26/13 13:58 Received: 08/26/13 17:20 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	5.90	Std. Units			1		08/26/13 13:58		
Field Temperature	22.93	deg C			1		08/26/13 13:58		
Appearance	Color: none, Sheen: none				1		08/26/13 13:58		
Field Specific Conductance	1494	umhos/cm			1		08/26/13 13:58		
Oxygen, Dissolved	0.27	mg/L			1		08/26/13 13:58	7782-44-7	
REDOX	-173.3	mV			1		08/26/13 13:58		
Turbidity	1.25	NTU			1		08/26/13 13:58		
Water Level(NGVD)	23.69	feet			1		08/26/13 13:58		
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	08/27/13 13:15	08/27/13 20:49	96-12-8	
1,2-Dibromoethane (EDB)	0.0066U	ug/L	0.011	0.0066	1	08/27/13 13:15	08/27/13 20:49	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:20	7440-38-2	
Barium	145	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:20	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:20	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:20	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:20	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:20	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:20	7440-50-8	
Iron	46600	ug/L	40.0	20.0	1	08/27/13 05:30	08/27/13 15:20	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:20	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:20	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	08/27/13 05:30	08/27/13 15:20	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:20	7440-22-4	
Sodium	216	mg/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:20	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:20	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	08/27/13 05:30	08/27/13 15:20	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 23:38	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 23:38	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	08/28/13 04:10	08/28/13 13:02	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	5.0U	ug/L	10.0	5.0	1		08/31/13 04:53	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		08/31/13 04:53	107-13-1	
Benzene	8.9	ug/L	1.0	0.10	1		08/31/13 04:53	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		08/31/13 04:53	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: B45-1 **Lab ID: 35105828005** Collected: 08/26/13 13:58 Received: 08/26/13 17:20 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		08/31/13 04:53	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		08/31/13 04:53	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		08/31/13 04:53	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	56-23-5	
Chlorobenzene	5.2	ug/L	1.0	0.50	1		08/31/13 04:53	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		08/31/13 04:53	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		08/31/13 04:53	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		08/31/13 04:53	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		08/31/13 04:53	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		08/31/13 04:53	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		08/31/13 04:53	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		08/31/13 04:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		08/31/13 04:53	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		08/31/13 04:53	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		08/31/13 04:53	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		08/31/13 04:53	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		08/31/13 04:53	75-01-4	
Xylene (Total)	1.8	ug/L	1.0	0.50	1		08/31/13 04:53	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93 %		70-114		1		08/31/13 04:53	460-00-4	
Dibromofluoromethane (S)	107 %		88-117		1		08/31/13 04:53	1868-53-7	
1,2-Dichloroethane-d4 (S)	97 %		86-125		1		08/31/13 04:53	17060-07-0	
Toluene-d8 (S)	98 %		87-113		1		08/31/13 04:53	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: B45-1		Lab ID: 35105828005		Collected: 08/26/13 13:58		Received: 08/26/13 17:20		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	958	mg/L	10.0	10.0	1		08/29/13 08:00		
300.0 IC Anions		Analytical Method: EPA 300.0							
Nitrate as N	0.050U	mg/L	0.10	0.050	2		08/27/13 15:47	14797-55-8	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	169	mg/L	50.0	25.0	10		08/31/13 07:01	16887-00-6	
Sulfate	5.0U	mg/L	10.0	5.0	2		08/27/13 15:47	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	0.046 I	mg/L	0.050	0.020	1		08/29/13 12:39	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 35105828

Sample: B45-2 Lab ID: 35105828006 Collected: 08/26/13 14:23 Received: 08/26/13 17:20 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	5.49	Std. Units			1		08/26/13 14:23		
Field Temperature	25.12	deg C			1		08/26/13 14:23		
Appearance	Color: none, Sheen: none				1		08/26/13 14:23		
Field Specific Conductance	659	umhos/cm			1		08/26/13 14:23		
Oxygen, Dissolved	0.35	mg/L			1		08/26/13 14:23	7782-44-7	
REDOX	-45.3	mV			1		08/26/13 14:23		
Turbidity	6.32	NTU			1		08/26/13 14:23		
Water Level(NGVD)	23.78	feet			1		08/26/13 14:23		
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	08/27/13 13:15	08/27/13 21:04	96-12-8	
1,2-Dibromoethane (EDB)	0.0064U	ug/L	0.010	0.0064	1	08/27/13 13:15	08/27/13 21:04	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:24	7440-38-2	
Barium	52.7	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:24	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:24	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:24	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:24	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:24	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:24	7440-50-8	
Iron	651	ug/L	40.0	20.0	1	08/27/13 05:30	08/27/13 15:24	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:24	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:24	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	08/27/13 05:30	08/27/13 15:24	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:24	7440-22-4	
Sodium	35.4	mg/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:24	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:24	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	08/27/13 05:30	08/27/13 15:24	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 23:42	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 23:42	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	08/28/13 04:10	08/28/13 13:05	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	5.0U	ug/L	10.0	5.0	1		08/31/13 05:43	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		08/31/13 05:43	107-13-1	
Benzene	0.10U	ug/L	1.0	0.10	1		08/31/13 05:43	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		08/31/13 05:43	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: B45-2 **Lab ID: 35105828006** Collected: 08/26/13 14:23 Received: 08/26/13 17:20 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		08/31/13 05:43	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		08/31/13 05:43	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		08/31/13 05:43	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		08/31/13 05:43	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		08/31/13 05:43	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		08/31/13 05:43	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		08/31/13 05:43	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		08/31/13 05:43	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		08/31/13 05:43	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		08/31/13 05:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		08/31/13 05:43	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		08/31/13 05:43	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		08/31/13 05:43	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		08/31/13 05:43	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		08/31/13 05:43	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98 %		70-114		1		08/31/13 05:43	460-00-4	
Dibromofluoromethane (S)	108 %		88-117		1		08/31/13 05:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	101 %		86-125		1		08/31/13 05:43	17060-07-0	
Toluene-d8 (S)	101 %		87-113		1		08/31/13 05:43	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: B45-2		Lab ID: 35105828006		Collected: 08/26/13 14:23		Received: 08/26/13 17:20		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	534	mg/L	5.0	5.0	1		08/29/13 08:15		
300.0 IC Anions		Analytical Method: EPA 300.0							
Nitrate as N	37.9	mg/L	0.50	0.25	10		08/28/13 00:04	14797-55-8	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	58.9	mg/L	10.0	5.0	2		08/31/13 07:20	16887-00-6	
Sulfate	29.6	mg/L	10.0	5.0	2		08/31/13 07:20	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	0.028 I	mg/L	0.050	0.020	1		08/29/13 12:40	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 35105828

Sample: B83 Lab ID: 35105828007 Collected: 08/26/13 15:32 Received: 08/26/13 17:20 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.98	Std. Units			1		08/26/13 15:32		
Field Temperature	23.17	deg C			1		08/26/13 15:32		
Appearance	Color: none, Sheen: none				1		08/26/13 15:32		
Field Specific Conductance	562	umhos/cm			1		08/26/13 15:32		
Oxygen, Dissolved	0.12	mg/L			1		08/26/13 15:32	7782-44-7	
REDOX	-218.4	mV			1		08/26/13 15:32		
Turbidity	0.55	NTU			1		08/26/13 15:32		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0049U	ug/L	0.020	0.0049	1	08/27/13 13:15	08/27/13 21:19	96-12-8	
1,2-Dibromoethane (EDB)	0.0062U	ug/L	0.010	0.0062	1	08/27/13 13:15	08/27/13 21:19	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:27	7440-38-2	
Barium	21.6	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:27	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:27	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:27	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:27	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:27	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:27	7440-50-8	
Iron	101	ug/L	40.0	20.0	1	08/27/13 05:30	08/27/13 15:27	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:27	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:27	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	08/27/13 05:30	08/27/13 15:27	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:27	7440-22-4	
Sodium	23.6	mg/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:27	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:27	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	08/27/13 05:30	08/27/13 15:27	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 23:45	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 23:45	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	08/28/13 04:10	08/28/13 13:07	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	5.0U	ug/L	10.0	5.0	1		08/31/13 06:07	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		08/31/13 06:07	107-13-1	
Benzene	0.10U	ug/L	1.0	0.10	1		08/31/13 06:07	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		08/31/13 06:07	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	75-25-2	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: B83 **Lab ID: 35105828007** Collected: 08/26/13 15:32 Received: 08/26/13 17:20 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		08/31/13 06:07	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		08/31/13 06:07	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		08/31/13 06:07	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		08/31/13 06:07	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		08/31/13 06:07	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		08/31/13 06:07	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		08/31/13 06:07	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		08/31/13 06:07	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	100-41-4	
Hexachloro-1,3-butadiene	0.40U	ug/L	1.0	0.40	1		08/31/13 06:07	87-68-3	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		08/31/13 06:07	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		08/31/13 06:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		08/31/13 06:07	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		08/31/13 06:07	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		08/31/13 06:07	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		08/31/13 06:07	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		08/31/13 06:07	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95 %		70-114		1		08/31/13 06:07	460-00-4	
Dibromofluoromethane (S)	108 %		88-117		1		08/31/13 06:07	1868-53-7	
1,2-Dichloroethane-d4 (S)	100 %		86-125		1		08/31/13 06:07	17060-07-0	
Toluene-d8 (S)	101 %		87-113		1		08/31/13 06:07	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: B83 Lab ID: 35105828007 Collected: 08/26/13 15:32 Received: 08/26/13 17:20 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		08/30/13 05:43		
300.0 IC Anions Analytical Method: EPA 300.0									
Nitrate as N	0.025U	mg/L	0.050	0.025	1		08/27/13 16:35	14797-55-8	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	21.5	mg/L	5.0	2.5	1		08/27/13 16:35	16887-00-6	
Sulfate	2.5U	mg/L	5.0	2.5	1		08/27/13 16:35	14808-79-8	
350.1 Ammonia Analytical Method: EPA 350.1									
Nitrogen, Ammonia	0.29	mg/L	0.050	0.020	1		08/29/13 12:41	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 35105828

Sample: B76-6		Lab ID: 35105828008		Collected: 08/26/13 16:36		Received: 08/26/13 17:20		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
Field pH	6.03	Std. Units			1		08/26/13 16:36		
Field Temperature	24.80	deg C			1		08/26/13 16:36		
Appearance	Color: none, Sheen: none				1		08/26/13 16:36		
Field Specific Conductance	1667	umhos/cm			1		08/26/13 16:36		
Oxygen, Dissolved	0.35	mg/L			1		08/26/13 16:36	7782-44-7	
REDOX	-155.1	mV			1		08/26/13 16:36		
Turbidity	0.81	NTU			1		08/26/13 16:36		
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	08/27/13 13:15	08/27/13 21:34	96-12-8	
1,2-Dibromoethane (EDB)	0.0065U	ug/L	0.011	0.0065	1	08/27/13 13:15	08/27/13 21:34	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:31	7440-38-2	
Barium	103	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:31	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:31	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:31	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:31	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:31	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:31	7440-50-8	
Iron	32700	ug/L	40.0	20.0	1	08/27/13 05:30	08/27/13 15:31	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:31	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:31	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	08/27/13 05:30	08/27/13 15:31	7782-49-2	
Silver	2.6 I	ug/L	5.0	2.5	1	08/27/13 05:30	08/27/13 15:31	7440-22-4	
Sodium	109	mg/L	1.0	0.50	1	08/27/13 05:30	08/27/13 15:31	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	08/27/13 05:30	08/27/13 15:31	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	08/27/13 05:30	08/27/13 15:31	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 23:49	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	08/27/13 05:30	08/27/13 23:49	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	0.10U	ug/L	0.20	0.10	1	08/28/13 04:10	08/28/13 13:09	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
Acetone	5.0U	ug/L	10.0	5.0	1		08/31/13 06:32	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		08/31/13 06:32	107-13-1	
Benzene	10.8	ug/L	1.0	0.10	1		08/31/13 06:32	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		08/31/13 06:32	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	75-25-2	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: B76-6 **Lab ID: 35105828008** Collected: 08/26/13 16:36 Received: 08/26/13 17:20 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		08/31/13 06:32	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		08/31/13 06:32	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		08/31/13 06:32	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	56-23-5	
Chlorobenzene	2.3	ug/L	1.0	0.50	1		08/31/13 06:32	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		08/31/13 06:32	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		08/31/13 06:32	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		08/31/13 06:32	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		08/31/13 06:32	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		08/31/13 06:32	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		08/31/13 06:32	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		08/31/13 06:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		08/31/13 06:32	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		08/31/13 06:32	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		08/31/13 06:32	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		08/31/13 06:32	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		08/31/13 06:32	75-01-4	
Xylene (Total)	1.1	ug/L	1.0	0.50	1		08/31/13 06:32	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99 %		70-114		1		08/31/13 06:32	460-00-4	
Dibromofluoromethane (S)	108 %		88-117		1		08/31/13 06:32	1868-53-7	
1,2-Dichloroethane-d4 (S)	100 %		86-125		1		08/31/13 06:32	17060-07-0	
Toluene-d8 (S)	99 %		87-113		1		08/31/13 06:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: B76-6		Lab ID: 35105828008		Collected: 08/26/13 16:36		Received: 08/26/13 17:20		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	1180	mg/L	10.0	10.0	1		08/30/13 05:44		
300.0 IC Anions		Analytical Method: EPA 300.0							
Nitrate as N	0.12U	mg/L	0.25	0.12	5		08/27/13 16:48	14797-55-8	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	265	mg/L	25.0	12.5	5		08/27/13 16:48	16887-00-6	
Sulfate	2.5U	mg/L	5.0	2.5	1		09/03/13 18:29	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	0.089	mg/L	0.050	0.020	1		08/29/13 12:42	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: Trip Blank 1 (8/26/13) **Lab ID:** 35105828009 **Collected:** 08/26/13 08:00 **Received:** 08/26/13 17:20 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Acetone	5.0U	ug/L	10.0	5.0	1		08/31/13 04:01	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		08/31/13 04:01	107-13-1	
Benzene	0.10U	ug/L	1.0	0.10	1		08/31/13 04:01	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		08/31/13 04:01	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		08/31/13 04:01	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		08/31/13 04:01	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		08/31/13 04:01	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		08/31/13 04:01	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		08/31/13 04:01	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		08/31/13 04:01	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		08/31/13 04:01	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		08/31/13 04:01	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		08/31/13 04:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		08/31/13 04:01	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		08/31/13 04:01	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		08/31/13 04:01	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		08/31/13 04:01	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		08/31/13 04:01	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Sample: Trip Blank 1 (8/26/13) **Lab ID:** 35105828009 Collected: 08/26/13 08:00 Received: 08/26/13 17:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Surrogates									
4-Bromofluorobenzene (S)	84 %		70-114		1		08/31/13 04:01	460-00-4	
Dibromofluoromethane (S)	105 %		88-117		1		08/31/13 04:01	1868-53-7	
1,2-Dichloroethane-d4 (S)	98 %		86-125		1		08/31/13 04:01	17060-07-0	
Toluene-d8 (S)	100 %		87-113		1		08/31/13 04:01	2037-26-5	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

QC Batch:	MERP/4032	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury
Associated Lab Samples:	35105828001, 35105828002, 35105828003, 35105828004, 35105828005, 35105828006, 35105828007, 35105828008		

METHOD BLANK:	706410	Matrix:	Water
Associated Lab Samples:	35105828001, 35105828002, 35105828003, 35105828004, 35105828005, 35105828006, 35105828007, 35105828008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	08/28/13 12:39	

LABORATORY CONTROL SAMPLE: 706411						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
706412					706413							
Parameter	Units	35105828002	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	RPD	Qual
		Result	Spike Conc.	Spike Conc.								
Mercury	ug/L	0.10U	2	2	1.6	1.6	79	78	80-120	2	20	J(M1)

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

QC Batch:	MPRP/14752	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
Associated Lab Samples:	35105828001, 35105828002, 35105828003, 35105828004, 35105828005, 35105828006, 35105828007, 35105828008		

METHOD BLANK: 705478 Matrix: Water

Associated Lab Samples: 35105828001, 35105828002, 35105828003, 35105828004, 35105828005, 35105828006, 35105828007, 35105828008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	08/27/13 15:05	
Barium	ug/L	5.0U	10.0	08/27/13 15:05	
Beryllium	ug/L	0.50U	1.0	08/27/13 15:05	
Cadmium	ug/L	0.50U	1.0	08/27/13 15:05	
Chromium	ug/L	2.5U	5.0	08/27/13 15:05	
Cobalt	ug/L	5.0U	10.0	08/27/13 15:05	
Copper	ug/L	2.5U	5.0	08/27/13 15:05	
Iron	ug/L	20.0U	40.0	08/27/13 15:05	
Lead	ug/L	5.0U	10.0	08/27/13 15:05	
Nickel	ug/L	2.5U	5.0	08/27/13 15:05	
Selenium	ug/L	7.5U	15.0	08/27/13 15:05	
Silver	ug/L	2.5U	5.0	08/27/13 15:05	
Sodium	mg/L	0.50U	1.0	08/27/13 15:05	
Vanadium	ug/L	5.0U	10.0	08/27/13 15:05	
Zinc	ug/L	10.0U	20.0	08/27/13 15:05	

LABORATORY CONTROL SAMPLE: 705479

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	246	98	80-120	
Barium	ug/L	250	250	100	80-120	
Beryllium	ug/L	25	25.7	103	80-120	
Cadmium	ug/L	25	23.5	94	80-120	
Chromium	ug/L	250	249	100	80-120	
Cobalt	ug/L	250	257	103	80-120	
Copper	ug/L	250	246	98	80-120	
Iron	ug/L	2500	2610	104	80-120	
Lead	ug/L	250	271	108	80-120	
Nickel	ug/L	250	271	109	80-120	
Selenium	ug/L	250	256	103	80-120	
Silver	ug/L	25	24.9	99	80-120	
Sodium	mg/L	12.5	13.4	107	80-120	
Vanadium	ug/L	250	254	102	80-120	
Zinc	ug/L	1250	1320	105	80-120	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 705480											
705481											
Parameter	Units	92169682001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Arsenic	ug/L	ND	250	250	250	252	100	101	75-125	.9	20
Barium	ug/L	43.0	250	250	293	299	100	102	75-125	2	20
Beryllium	ug/L	ND	25	25	26.2	26.8	104	106	75-125	2	20
Cadmium	ug/L	ND	25	25	23.9	23.7	96	95	75-125	1	20
Chromium	ug/L	ND	250	250	255	259	102	103	75-125	1	20
Cobalt	ug/L	ND	250	250	258	260	103	104	75-125	.7	20
Copper	ug/L	ND	250	250	251	257	100	103	75-125	2	20
Iron	ug/L	ND	2500	2500	2630	2640	104	104	75-125	.2	20
Lead	ug/L	ND	250	250	269	272	107	109	75-125	1	20
Nickel	ug/L	ND	250	250	268	270	107	108	75-125	.7	20
Selenium	ug/L	ND	250	250	256	257	103	103	75-125	.1	20
Silver	ug/L	ND	25	25	25.1	25.7	99	101	75-125	2	20
Sodium	mg/L	5970	12.5	12.5	19.1	19.2	105	106	75-125	.7	20
	ug/L										
Vanadium	ug/L	ND	250	250	256	261	102	104	75-125	2	20
Zinc	ug/L	ND	1250	1250	1310	1320	104	105	75-125	.5	20

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

QC Batch:	MPRP/14753	Analysis Method:	EPA 6020
QC Batch Method:	EPA 3010	Analysis Description:	6020 MET
Associated Lab Samples:	35105828001, 35105828002, 35105828003, 35105828004, 35105828005, 35105828006, 35105828007, 35105828008		

METHOD BLANK:	705482	Matrix:	Water
Associated Lab Samples:	35105828001, 35105828002, 35105828003, 35105828004, 35105828005, 35105828006, 35105828007, 35105828008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	08/27/13 22:46	
Thallium	ug/L	0.50U	1.0	08/27/13 22:46	

LABORATORY CONTROL SAMPLE: 705483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	48.8	98	80-120	
Thallium	ug/L	50	52.5	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 705484 705485

Parameter	Units	92169682002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	50	50	49.4	49.3	99	98	70-130	.3	20	
Thallium	ug/L	ND	50	50	52.5	52.7	105	105	70-130	.3	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

QC Batch: MSV/9522

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 35105828002, 35105828003

METHOD BLANK: 709302

Matrix: Water

Associated Lab Samples: 35105828002, 35105828003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane-d4 (S)	%	92	86-125	08/30/13 20:56	
4-Bromofluorobenzene (S)	%	93	70-114	08/30/13 20:56	
Toluene-d8 (S)	%	99	87-113	08/30/13 20:56	

LABORATORY CONTROL SAMPLE: 709303

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			93	86-125	
4-Bromofluorobenzene (S)	%			97	70-114	
Toluene-d8 (S)	%			99	87-113	

MATRIX SPIKE SAMPLE: 709846

Parameter	Units	35105828003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%				101	86-125	
4-Bromofluorobenzene (S)	%				101	70-114	
Toluene-d8 (S)	%				100	87-113	

SAMPLE DUPLICATE: 709845

Parameter	Units	35105828002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%	99	94	4		
4-Bromofluorobenzene (S)	%	100	94	6		
Toluene-d8 (S)	%	99	97	2		

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

QC Batch: MSV/9523 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35105828005, 35105828006, 35105828007, 35105828008, 35105828009

METHOD BLANK: 709362 Matrix: Water
Associated Lab Samples: 35105828005, 35105828006, 35105828007, 35105828008, 35105828009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	08/31/13 03:35	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	08/31/13 03:35	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	08/31/13 03:35	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	08/31/13 03:35	
1,1-Dichloroethane	ug/L	0.50U	1.0	08/31/13 03:35	
1,1-Dichloroethene	ug/L	0.50U	1.0	08/31/13 03:35	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	08/31/13 03:35	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	08/31/13 03:35	
1,2-Dichloroethane	ug/L	0.50U	1.0	08/31/13 03:35	
1,2-Dichloropropane	ug/L	0.50U	1.0	08/31/13 03:35	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	08/31/13 03:35	
2-Butanone (MEK)	ug/L	5.0U	10.0	08/31/13 03:35	
2-Hexanone	ug/L	5.0U	10.0	08/31/13 03:35	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	08/31/13 03:35	
Acetone	ug/L	5.0U	10.0	08/31/13 03:35	
Acrylonitrile	ug/L	5.0U	10.0	08/31/13 03:35	
Benzene	ug/L	0.10U	1.0	08/31/13 03:35	
Bromochloromethane	ug/L	0.50U	1.0	08/31/13 03:35	
Bromodichloromethane	ug/L	0.27U	0.60	08/31/13 03:35	
Bromoform	ug/L	0.50U	1.0	08/31/13 03:35	
Bromomethane	ug/L	0.50U	1.0	08/31/13 03:35	
Carbon disulfide	ug/L	5.0U	10.0	08/31/13 03:35	
Carbon tetrachloride	ug/L	0.50U	1.0	08/31/13 03:35	
Chlorobenzene	ug/L	0.50U	1.0	08/31/13 03:35	
Chloroethane	ug/L	0.50U	1.0	08/31/13 03:35	
Chloroform	ug/L	0.50U	1.0	08/31/13 03:35	
Chloromethane	ug/L	0.62U	1.0	08/31/13 03:35	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	08/31/13 03:35	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	08/31/13 03:35	
Dibromochloromethane	ug/L	0.26U	0.50	08/31/13 03:35	
Dibromomethane	ug/L	0.50U	1.0	08/31/13 03:35	
Ethylbenzene	ug/L	0.50U	1.0	08/31/13 03:35	
Hexachloro-1,3-butadiene	ug/L	0.40U	1.0	08/31/13 03:35	
Iodomethane	ug/L	0.50U	1.0	08/31/13 03:35	
Methylene Chloride	ug/L	2.5U	5.0	08/31/13 03:35	
Styrene	ug/L	0.50U	1.0	08/31/13 03:35	
Tetrachloroethene	ug/L	0.50U	1.0	08/31/13 03:35	
Toluene	ug/L	0.50U	1.0	08/31/13 03:35	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	08/31/13 03:35	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	08/31/13 03:35	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	08/31/13 03:35	
Trichloroethene	ug/L	0.50U	1.0	08/31/13 03:35	
Trichlorofluoromethane	ug/L	0.50U	1.0	08/31/13 03:35	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

METHOD BLANK: 709362

Matrix: Water

Associated Lab Samples: 35105828005, 35105828006, 35105828007, 35105828008, 35105828009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl acetate	ug/L	1.0U	2.0	08/31/13 03:35	
Vinyl chloride	ug/L	0.50U	1.0	08/31/13 03:35	
Xylene (Total)	ug/L	0.50U	1.0	08/31/13 03:35	
1,2-Dichloroethane-d4 (S)	%	98	86-125	08/31/13 03:35	
4-Bromofluorobenzene (S)	%	98	70-114	08/31/13 03:35	
Toluene-d8 (S)	%	101	87-113	08/31/13 03:35	

LABORATORY CONTROL SAMPLE: 709363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.8	89	70-130	
1,1,1-Trichloroethane	ug/L	20	19.6	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	16.4	82	70-130	
1,1,2-Trichloroethane	ug/L	20	18.4	92	70-130	
1,1-Dichloroethane	ug/L	20	19.7	99	70-130	
1,1-Dichloroethene	ug/L	20	20.2	101	70-130	
1,2,3-Trichloropropane	ug/L	20	18.9	94	70-130	
1,2-Dichlorobenzene	ug/L	20	17.6	88	70-130	
1,2-Dichloroethane	ug/L	20	18.8	94	70-130	
1,2-Dichloropropane	ug/L	20	18.5	93	70-130	
1,4-Dichlorobenzene	ug/L	20	19.1	96	70-130	
2-Butanone (MEK)	ug/L	20	12.4	62	55-167	
2-Hexanone	ug/L	20	14.6	73	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	14.4	72	70-130	
Acetone	ug/L	20	14.0	70	40-150	
Acrylonitrile	ug/L	200	150	75	70-130	
Benzene	ug/L	20	18.4	92	70-130	
Bromochloromethane	ug/L	20	21.0	105	70-130	
Bromodichloromethane	ug/L	20	18.9	94	70-130	
Bromoform	ug/L	20	18.2	91	68-130	
Bromomethane	ug/L	20	20.2	101	38-179	
Carbon disulfide	ug/L	20	19.9	100	51-155	
Carbon tetrachloride	ug/L	20	18.5	92	70-130	
Chlorobenzene	ug/L	20	19.1	95	70-130	
Chloroethane	ug/L	20	20.5	103	59-149	
Chloroform	ug/L	20	20.5	103	70-130	
Chloromethane	ug/L	20	20.5	102	68-130	
cis-1,2-Dichloroethene	ug/L	20	17.9	90	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.6	88	70-130	
Dibromochloromethane	ug/L	20	18.8	94	70-130	
Dibromomethane	ug/L	20	18.0	90	70-130	
Ethylbenzene	ug/L	20	18.0	90	70-130	
Hexachloro-1,3-butadiene	ug/L	20	20.3	101	70-130	
Iodomethane	ug/L	20	21.0	105	43-160	
Methylene Chloride	ug/L	20	21.1	105	70-130	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

LABORATORY CONTROL SAMPLE: 709363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/L	20	18.4	92	70-130	
Tetrachloroethene	ug/L	20	22.6	113	66-133	
Toluene	ug/L	20	19.1	95	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.3	101	70-130	
trans-1,3-Dichloropropene	ug/L	20	17.6	88	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	15.3	77	65-130	
Trichloroethene	ug/L	20	19.4	97	70-130	
Trichlorofluoromethane	ug/L	20	23.8	119	70-131	
Vinyl acetate	ug/L	20	15.7	79	69-135	
Vinyl chloride	ug/L	20	21.8	109	69-140	
Xylene (Total)	ug/L	60	56.3	94	70-130	
1,2-Dichloroethane-d4 (S)	%			88	86-125	
4-Bromofluorobenzene (S)	%			98	70-114	
Toluene-d8 (S)	%			102	87-113	

MATRIX SPIKE SAMPLE: 710019

Parameter	Units	35105828006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	18.1	90	39-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	20.6	103	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	16.6	83	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	17.0	85	50-130	
1,1-Dichloroethane	ug/L	0.50U	20	21.1	105	54-137	
1,1-Dichloroethene	ug/L	0.50U	20	21.0	105	45-155	
1,2,3-Trichloropropane	ug/L	0.36U	20	16.6	83	31-132	
1,2-Dichlorobenzene	ug/L	0.50U	20	17.8	89	43-130	
1,2-Dichloroethane	ug/L	0.50U	20	18.1	91	54-130	
1,2-Dichloropropane	ug/L	0.50U	20	19.0	95	53-130	
1,4-Dichlorobenzene	ug/L	0.50U	20	18.6	93	38-130	
2-Butanone (MEK)	ug/L	5.0U	20	14.2	71	48-138	
2-Hexanone	ug/L	5.0U	20	17.7	88	38-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	20	15.1	75	28-143	
Acetone	ug/L	5.0U	20	15.1	76	20-140	
Acrylonitrile	ug/L	5.0U	200	138	69	46-130	
Benzene	ug/L	0.10U	20	18.9	94	53-132	
Bromochloromethane	ug/L	0.50U	20	20.9	105	54-132	
Bromodichloromethane	ug/L	0.27U	20	19.0	95	46-130	
Bromoform	ug/L	0.50U	20	16.6	83	32-130	
Bromomethane	ug/L	0.50U	20	16.8	84	20-152	
Carbon disulfide	ug/L	5.0U	20	22.5	112	28-184	
Carbon tetrachloride	ug/L	0.50U	20	19.5	98	37-137	
Chlorobenzene	ug/L	0.50U	20	19.7	98	46-130	
Chloroethane	ug/L	0.50U	20	21.9	109	48-159	
Chloroform	ug/L	0.50U	20	18.9	94	51-130	
Chloromethane	ug/L	0.62U	20	19.7	99	39-144	
cis-1,2-Dichloroethene	ug/L	0.50U	20	19.3	96	54-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	16.6	83	45-130	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

MATRIX SPIKE SAMPLE: 710019		35105828006	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Dibromochloromethane	ug/L	0.26U	20	17.1	86	43-130	
Dibromomethane	ug/L	0.50U	20	18.1	91	50-130	
Ethylbenzene	ug/L	0.50U	20	18.6	93	43-130	
Hexachloro-1,3-butadiene	ug/L	0.40U	20	25.1	126	35-136	
Iodomethane	ug/L	0.50U	20	20.9	105	20-169	
Methylene Chloride	ug/L	2.5U	20	20.4	102	51-135	
Styrene	ug/L	0.50U	20	18.7	94	40-130	
Tetrachloroethene	ug/L	0.50U	20	17.2	86	26-130	
Toluene	ug/L	0.50U	20	19.6	98	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	20.8	104	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	16.4	82	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	17.1	85	20-139	
Trichloroethene	ug/L	0.50U	20	20.2	101	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	22.2	111	46-146	
Vinyl acetate	ug/L	1.0U	20	11.6	58	20-165	
Vinyl chloride	ug/L	0.50U	20	20.0	100	57-142	
Xylene (Total)	ug/L	0.50U	60	57.9	96	42-130	
1,2-Dichloroethane-d4 (S)	%				91	86-125	
4-Bromofluorobenzene (S)	%				100	70-114	
Toluene-d8 (S)	%				99	87-113	

SAMPLE DUPLICATE: 710018

Parameter	Units	35105828005	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	0.36U	0.36U		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	5.0U	5.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	8.9	9.4	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	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

SAMPLE DUPLICATE: 710018

Parameter	Units	35105828005 Result	Dup Result	RPD	Max RPD	Qualifiers
Chlorobenzene	ug/L	5.2	5.3	3	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	
Hexachloro-1,3-butadiene	ug/L	0.40U	0.40U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.50U	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	1.8	1.7	3	40	
1,2-Dichloroethane-d4 (S)	%	97	102	4		
4-Bromofluorobenzene (S)	%	93	97	3		
Toluene-d8 (S)	%	98	99	1		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

QC Batch: MSV/9536 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35105828001, 35105828002, 35105828003, 35105828004

METHOD BLANK: 709931 Matrix: Water
Associated Lab Samples: 35105828001, 35105828002, 35105828003, 35105828004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	08/31/13 15:12	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	08/31/13 15:12	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	08/31/13 15:12	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	08/31/13 15:12	
1,1-Dichloroethane	ug/L	0.50U	1.0	08/31/13 15:12	
1,1-Dichloroethene	ug/L	0.50U	1.0	08/31/13 15:12	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	08/31/13 15:12	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	08/31/13 15:12	
1,2-Dichloroethane	ug/L	0.50U	1.0	08/31/13 15:12	
1,2-Dichloropropane	ug/L	0.50U	1.0	08/31/13 15:12	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	08/31/13 15:12	
2-Butanone (MEK)	ug/L	5.0U	10.0	08/31/13 15:12	
2-Hexanone	ug/L	5.0U	10.0	08/31/13 15:12	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	08/31/13 15:12	
Acetone	ug/L	5.0U	10.0	08/31/13 15:12	
Acrylonitrile	ug/L	5.0U	10.0	08/31/13 15:12	
Benzene	ug/L	0.10U	1.0	08/31/13 15:12	
Bromochloromethane	ug/L	0.50U	1.0	08/31/13 15:12	
Bromodichloromethane	ug/L	0.27U	0.60	08/31/13 15:12	
Bromoform	ug/L	0.50U	1.0	08/31/13 15:12	
Bromomethane	ug/L	0.50U	1.0	08/31/13 15:12	
Carbon disulfide	ug/L	5.0U	10.0	08/31/13 15:12	
Carbon tetrachloride	ug/L	0.50U	1.0	08/31/13 15:12	
Chlorobenzene	ug/L	0.50U	1.0	08/31/13 15:12	
Chloroethane	ug/L	0.50U	1.0	08/31/13 15:12	
Chloroform	ug/L	0.50U	1.0	08/31/13 15:12	
Chloromethane	ug/L	0.62U	1.0	08/31/13 15:12	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	08/31/13 15:12	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	08/31/13 15:12	
Dibromochloromethane	ug/L	0.26U	0.50	08/31/13 15:12	
Dibromomethane	ug/L	0.50U	1.0	08/31/13 15:12	
Ethylbenzene	ug/L	0.50U	1.0	08/31/13 15:12	
Iodomethane	ug/L	0.50U	1.0	08/31/13 15:12	
m&p-Xylene	ug/L	0.50U	1.0	08/31/13 15:12	
Methylene Chloride	ug/L	2.5U	5.0	08/31/13 15:12	
o-Xylene	ug/L	0.50U	1.0	08/31/13 15:12	
Styrene	ug/L	0.50U	1.0	08/31/13 15:12	
Tetrachloroethene	ug/L	0.50U	1.0	08/31/13 15:12	
Toluene	ug/L	0.50U	1.0	08/31/13 15:12	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	08/31/13 15:12	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	08/31/13 15:12	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	08/31/13 15:12	
Trichloroethene	ug/L	0.50U	1.0	08/31/13 15:12	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

METHOD BLANK: 709931

Matrix: Water

Associated Lab Samples: 35105828001, 35105828002, 35105828003, 35105828004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50U	1.0	08/31/13 15:12	
Vinyl acetate	ug/L	1.0U	2.0	08/31/13 15:12	
Vinyl chloride	ug/L	0.50U	1.0	08/31/13 15:12	
Xylene (Total)	ug/L	0.50U	1.0	08/31/13 15:12	
1,2-Dichloroethane-d4 (S)	%	91	86-125	08/31/13 15:12	
4-Bromofluorobenzene (S)	%	103	70-114	08/31/13 15:12	
Toluene-d8 (S)	%	102	87-113	08/31/13 15:12	

LABORATORY CONTROL SAMPLE: 709932

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.4	87	70-130	
1,1,1-Trichloroethane	ug/L	20	18.0	90	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	16.0	80	70-130	
1,1,2-Trichloroethane	ug/L	20	17.2	86	70-130	
1,1-Dichloroethane	ug/L	20	18.2	91	70-130	
1,1-Dichloroethene	ug/L	20	18.2	91	70-130	
1,2,3-Trichloropropane	ug/L	20	16.8	84	70-130	
1,2-Dichlorobenzene	ug/L	20	17.6	88	70-130	
1,2-Dichloroethane	ug/L	20	16.7	83	70-130	
1,2-Dichloropropane	ug/L	20	18.9	94	70-130	
1,4-Dichlorobenzene	ug/L	20	18.5	93	70-130	
2-Butanone (MEK)	ug/L	20	13.6	68	55-167	
2-Hexanone	ug/L	20	14.9	74	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	15.7	78	70-130	
Acetone	ug/L	20	11.5	57	40-150	
Acrylonitrile	ug/L	200	144	72	70-130	
Benzene	ug/L	20	17.3	86	70-130	
Bromochloromethane	ug/L	20	18.9	95	70-130	
Bromodichloromethane	ug/L	20	17.3	87	70-130	
Bromoform	ug/L	20	18.9	94	68-130	
Bromomethane	ug/L	20	18.4	92	38-179	
Carbon disulfide	ug/L	20	16.3	82	51-155	
Carbon tetrachloride	ug/L	20	17.6	88	70-130	
Chlorobenzene	ug/L	20	18.4	92	70-130	
Chloroethane	ug/L	20	17.0	85	59-149	
Chloroform	ug/L	20	18.3	91	70-130	
Chloromethane	ug/L	20	19.2	96	68-130	
cis-1,2-Dichloroethene	ug/L	20	18.5	93	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.1	85	70-130	
Dibromochloromethane	ug/L	20	18.6	93	70-130	
Dibromomethane	ug/L	20	17.9	89	70-130	
Ethylbenzene	ug/L	20	17.5	88	70-130	
Iodomethane	ug/L	20	21.2	106	43-160	
m&p-Xylene	ug/L	40	36.5	91	70-130	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

LABORATORY CONTROL SAMPLE: 709932

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	16.0	80	70-130	
o-Xylene	ug/L	20	18.3	91	70-130	
Styrene	ug/L	20	19.0	95	70-130	
Tetrachloroethene	ug/L	20	18.1	90	66-133	
Toluene	ug/L	20	18.3	91	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.3	92	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.9	100	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	18.1	91	65-130	
Trichloroethene	ug/L	20	17.6	88	70-130	
Trichlorofluoromethane	ug/L	20	18.4	92	70-131	
Vinyl acetate	ug/L	20	16.2	81	69-135	
Vinyl chloride	ug/L	20	18.2	91	69-140	
Xylene (Total)	ug/L	60	54.8	91	70-130	
1,2-Dichloroethane-d4 (S)	%			88	86-125	
4-Bromofluorobenzene (S)	%			105	70-114	
Toluene-d8 (S)	%			101	87-113	

MATRIX SPIKE SAMPLE: 710021

Parameter	Units	35106228002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	18.8	94	39-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	22.2	111	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	14.6	73	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	17.6	88	50-130	
1,1-Dichloroethane	ug/L	0.50U	20	21.7	108	54-137	
1,1-Dichloroethene	ug/L	0.50U	20	23.1	115	45-155	
1,2,3-Trichloropropane	ug/L	0.36U	20	15.1	75	31-132	
1,2-Dichlorobenzene	ug/L	0.50U	20	17.8	89	43-130	
1,2-Dichloroethane	ug/L	0.50U	20	17.3	87	54-130	
1,2-Dichloropropane	ug/L	0.50U	20	20.5	103	53-130	
1,4-Dichlorobenzene	ug/L	0.50U	20	20.0	100	38-130	
2-Butanone (MEK)	ug/L	5.0U	20	9.2 I	46	48-138 J(M1)	
2-Hexanone	ug/L	5.0U	20	10.3	51	38-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	20	11.2	56	28-143	
Acetone	ug/L	5.0U	20	10.2	51	20-140	
Acrylonitrile	ug/L	5.0U	200	107	54	46-130	
Benzene	ug/L	0.10U	20	19.8	99	53-132	
Bromochloromethane	ug/L	0.50U	20	21.9	109	54-132	
Bromodichloromethane	ug/L	0.27U	20	19.0	95	46-130	
Bromoform	ug/L	0.50U	20	14.6	73	32-130	
Bromomethane	ug/L	0.50U	20	20.0	100	20-152	
Carbon disulfide	ug/L	5.0U	20	22.4	112	28-184	
Carbon tetrachloride	ug/L	0.50U	20	20.7	103	37-137	
Chlorobenzene	ug/L	0.50U	20	20.7	103	46-130	
Chloroethane	ug/L	0.50U	20	23.3	116	48-159	
Chloroform	ug/L	0.50U	20	20.6	103	51-130	
Chloromethane	ug/L	0.62U	20	23.5	118	39-144	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

MATRIX SPIKE SAMPLE: 710021		35106228002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	0.50U	20	19.4	97	54-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	15.9	79	45-130	
Dibromochloromethane	ug/L	0.26U	20	17.8	89	43-130	
Dibromomethane	ug/L	0.50U	20	17.3	86	50-130	
Ethylbenzene	ug/L	0.50U	20	19.8	99	43-130	
Iodomethane	ug/L	0.50U	20	23.0	115	20-169	
m&p-Xylene	ug/L	0.50U	40	41.9	105	40-130	
Methylene Chloride	ug/L	2.5U	20	21.2	106	51-135	
o-Xylene	ug/L	0.50U	20	19.8	99	45-130	
Styrene	ug/L	0.50U	20	20.6	103	40-130	
Tetrachloroethene	ug/L	0.50U	20	19.3	96	26-130	
Toluene	ug/L	0.50U	20	21.2	106	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	23.1	115	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	18.7	94	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	15.8	79	20-139	
Trichloroethene	ug/L	0.50U	20	21.1	106	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	27.6	138	46-146	
Vinyl acetate	ug/L	1.0U	20	13.0	65	20-165	
Vinyl chloride	ug/L	0.50U	20	24.8	124	57-142	
Xylene (Total)	ug/L	0.50U	60	61.7	103	42-130	
1,2-Dichloroethane-d4 (S)	%				82	86-125 J(S0)	
4-Bromofluorobenzene (S)	%				100	70-114	
Toluene-d8 (S)	%				100	87-113	

SAMPLE DUPLICATE: 710020

Parameter	Units	35106228001	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	0.36U	0.36U		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	3.8	3.9	2	40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	5.0U	5.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	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	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

SAMPLE DUPLICATE: 710020

Parameter	Units	35106228001 Result	Dup Result	RPD	Max RPD	Qualifiers
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	
m&p-Xylene	ug/L	0.62 I	0.60 I		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
o-Xylene	ug/L	0.50U	0.50U		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	0.77 I	0.78 I		40	
1,2-Dichloroethane-d4 (S)	%	92	90	3		
4-Bromofluorobenzene (S)	%	102	101	2		
Toluene-d8 (S)	%	103	101	2		

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

QC Batch:	OEXT/14029	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
Associated Lab Samples:	35105828001, 35105828002, 35105828003, 35105828004, 35105828005, 35105828006, 35105828007, 35105828008		

METHOD BLANK: 705715 Matrix: Water

Associated Lab Samples: 35105828001, 35105828002, 35105828003, 35105828004, 35105828005, 35105828006, 35105828007, 35105828008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	08/27/13 17:48	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	08/27/13 17:48	

LABORATORY CONTROL SAMPLE: 705716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.24	95	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.24	96	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 705717 705718

Parameter	Units	35105738001 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	0.0050 U	.44	.44	0.46	0.48	105	109	60-140	3	40	
1,2-Dibromoethane (EDB)	ug/L	0.0063 U	.44	.44	0.45	0.47	103	108	60-140	4	40	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

QC Batch:	WET/20873	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	35105828005, 35105828006		

METHOD BLANK: 707597 Matrix: Water

Associated Lab Samples: 35105828005, 35105828006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	08/29/13 07:54	

LABORATORY CONTROL SAMPLE: 707598

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

SAMPLE DUPLICATE: 707599

Parameter	Units	35105541003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3240	3290	2	20	

SAMPLE DUPLICATE: 707600

Parameter	Units	35105672001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	185	186	.5	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

QC Batch:	WET/20892	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	35105828001, 35105828002, 35105828003, 35105828004, 35105828007, 35105828008		

METHOD BLANK:	708662	Matrix:	Water
Associated Lab Samples:	35105828001, 35105828002, 35105828003, 35105828004, 35105828007, 35105828008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	08/30/13 05:41	

LABORATORY CONTROL SAMPLE: 708663

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	290	97	90-110	

SAMPLE DUPLICATE: 708664

Parameter	Units	35105832001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	6380	5940	7	20	

SAMPLE DUPLICATE: 708665

Parameter	Units	35105852001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	8720	8840	1	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

QC Batch:	WETA/28983	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
Associated Lab Samples:	35105828001, 35105828002, 35105828003, 35105828004, 35105828005, 35105828006, 35105828007, 35105828008		

METHOD BLANK:	705831	Matrix:	Water
Associated Lab Samples:	35105828001, 35105828002, 35105828003, 35105828004, 35105828005, 35105828006, 35105828007, 35105828008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	0.025U	0.050	08/27/13 11:32	

LABORATORY CONTROL SAMPLE: 705832						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	4.8	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 705833705834												
Parameter	Units	35105828004	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual	
		Result	Spike Conc.	Spike Conc.								Result
Nitrate as N	mg/L	0.025U	5	5	4.7	4.6	94	93	90-110	.6	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 705835705836												
Parameter	Units	35105828006	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual	
		Result	Spike Conc.	Spike Conc.								Result
Nitrate as N	mg/L	37.9	50	50	90.0	90.3	104	105	90-110	.4	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

QC Batch:	WETA/28986	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
Associated Lab Samples:	35105828001, 35105828002, 35105828003, 35105828004, 35105828005, 35105828006, 35105828007, 35105828008		

METHOD BLANK:	705857	Matrix:	Water
Associated Lab Samples:	35105828001, 35105828002, 35105828003, 35105828004, 35105828005, 35105828006, 35105828007, 35105828008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5U	5.0	08/27/13 11:32	
Sulfate	mg/L	2.5U	5.0	08/27/13 11:32	

LABORATORY CONTROL SAMPLE: 705858						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.0	96	90-110	
Sulfate	mg/L	50	47.5	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 705859705860												
Parameter	Units	35105828004	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	RPD	Qual
		Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	83.1	50	50	136	135	105	104	90-110	.3	20	L
Sulfate	mg/L	25.1	50	50	76.3	75.9	102	102	90-110	.5	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 705861705862												
Parameter	Units	35105828006	MS	MSD	MS	MSD	MS	MSD	% Rec	Max		
		Result	Spike	Spike								
Chloride	mg/L	58.9	500	500	536	539	95	96	90-110	.6	20	
Sulfate	mg/L	29.6	500	500	500	502	94	94	90-110	.3	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

QC Batch:	WETA/29044	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	35105828001, 35105828002, 35105828003, 35105828004, 35105828005, 35105828006, 35105828007, 35105828008		

METHOD BLANK:	707763	Matrix:	Water
Associated Lab Samples:	35105828001, 35105828002, 35105828003, 35105828004, 35105828005, 35105828006, 35105828007, 35105828008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.050	08/29/13 12:32	

LABORATORY CONTROL SAMPLE:	707764
----------------------------	--------

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	103	90-110	

MATRIX SPIKE SAMPLE:	707766
----------------------	--------

Parameter	Units	35105147001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.030 I	1	1.0	100	90-110	

SAMPLE DUPLICATE:	707765
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Parameter	Units	35105147001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.030 I	0.022 I		20	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 35105828

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
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.
L	Off-scale high. Actual value is known to be greater than value given.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35105828

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35105828002	B41-1		FLD/		
35105828003	B41-1 Dup		FLD/		
35105828004	B43-1		FLD/		
35105828005	B45-1		FLD/		
35105828006	B45-2		FLD/		
35105828007	B83		FLD/		
35105828008	B76-6		FLD/		
35105828001	Equip. Blank (8/26/13)	EPA 8011	OEXT/14029	EPA 8011	GCSV/9359
35105828002	B41-1	EPA 8011	OEXT/14029	EPA 8011	GCSV/9359
35105828003	B41-1 Dup	EPA 8011	OEXT/14029	EPA 8011	GCSV/9359
35105828004	B43-1	EPA 8011	OEXT/14029	EPA 8011	GCSV/9359
35105828005	B45-1	EPA 8011	OEXT/14029	EPA 8011	GCSV/9359
35105828006	B45-2	EPA 8011	OEXT/14029	EPA 8011	GCSV/9359
35105828007	B83	EPA 8011	OEXT/14029	EPA 8011	GCSV/9359
35105828008	B76-6	EPA 8011	OEXT/14029	EPA 8011	GCSV/9359
35105828001	Equip. Blank (8/26/13)	EPA 3010	MPRP/14752	EPA 6010	ICP/9331
35105828002	B41-1	EPA 3010	MPRP/14752	EPA 6010	ICP/9331
35105828003	B41-1 Dup	EPA 3010	MPRP/14752	EPA 6010	ICP/9331
35105828004	B43-1	EPA 3010	MPRP/14752	EPA 6010	ICP/9331
35105828005	B45-1	EPA 3010	MPRP/14752	EPA 6010	ICP/9331
35105828006	B45-2	EPA 3010	MPRP/14752	EPA 6010	ICP/9331
35105828007	B83	EPA 3010	MPRP/14752	EPA 6010	ICP/9331
35105828008	B76-6	EPA 3010	MPRP/14752	EPA 6010	ICP/9331
35105828001	Equip. Blank (8/26/13)	EPA 3010	MPRP/14753	EPA 6020	ICPM/5898
35105828002	B41-1	EPA 3010	MPRP/14753	EPA 6020	ICPM/5898
35105828003	B41-1 Dup	EPA 3010	MPRP/14753	EPA 6020	ICPM/5898
35105828004	B43-1	EPA 3010	MPRP/14753	EPA 6020	ICPM/5898
35105828005	B45-1	EPA 3010	MPRP/14753	EPA 6020	ICPM/5898
35105828006	B45-2	EPA 3010	MPRP/14753	EPA 6020	ICPM/5898
35105828007	B83	EPA 3010	MPRP/14753	EPA 6020	ICPM/5898
35105828008	B76-6	EPA 3010	MPRP/14753	EPA 6020	ICPM/5898
35105828001	Equip. Blank (8/26/13)	EPA 7470	MERP/4032	EPA 7470	MERC/4029
35105828002	B41-1	EPA 7470	MERP/4032	EPA 7470	MERC/4029
35105828003	B41-1 Dup	EPA 7470	MERP/4032	EPA 7470	MERC/4029
35105828004	B43-1	EPA 7470	MERP/4032	EPA 7470	MERC/4029
35105828005	B45-1	EPA 7470	MERP/4032	EPA 7470	MERC/4029
35105828006	B45-2	EPA 7470	MERP/4032	EPA 7470	MERC/4029
35105828007	B83	EPA 7470	MERP/4032	EPA 7470	MERC/4029
35105828008	B76-6	EPA 7470	MERP/4032	EPA 7470	MERC/4029
35105828001	Equip. Blank (8/26/13)	EPA 8260	MSV/9536		
35105828002	B41-1	EPA 8260	MSV/9522		
35105828002	B41-1	EPA 8260	MSV/9536		
35105828003	B41-1 Dup	EPA 8260	MSV/9522		
35105828003	B41-1 Dup	EPA 8260	MSV/9536		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Benzene Remediation

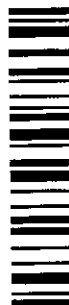
Pace Project No.: 35105828

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35105828004	B43-1	EPA 8260	MSV/9536		
35105828005	B45-1	EPA 8260	MSV/9523		
35105828006	B45-2	EPA 8260	MSV/9523		
35105828007	B83	EPA 8260	MSV/9523		
35105828008	B76-6	EPA 8260	MSV/9523		
35105828009	Trip Blank 1 (8/26/13)	EPA 8260	MSV/9523		
35105828001	Equip. Blank (8/26/13)	SM 2540C	WET/20892		
35105828002	B41-1	SM 2540C	WET/20892		
35105828003	B41-1 Dup	SM 2540C	WET/20892		
35105828004	B43-1	SM 2540C	WET/20892		
35105828005	B45-1	SM 2540C	WET/20873		
35105828006	B45-2	SM 2540C	WET/20873		
35105828007	B83	SM 2540C	WET/20892		
35105828008	B76-6	SM 2540C	WET/20892		
35105828001	Equip. Blank (8/26/13)	EPA 300.0	WETA/28983		
35105828002	B41-1	EPA 300.0	WETA/28983		
35105828003	B41-1 Dup	EPA 300.0	WETA/28983		
35105828004	B43-1	EPA 300.0	WETA/28983		
35105828005	B45-1	EPA 300.0	WETA/28983		
35105828006	B45-2	EPA 300.0	WETA/28983		
35105828007	B83	EPA 300.0	WETA/28983		
35105828008	B76-6	EPA 300.0	WETA/28983		
35105828001	Equip. Blank (8/26/13)	EPA 300.0	WETA/28986		
35105828002	B41-1	EPA 300.0	WETA/28986		
35105828003	B41-1 Dup	EPA 300.0	WETA/28986		
35105828004	B43-1	EPA 300.0	WETA/28986		
35105828005	B45-1	EPA 300.0	WETA/28986		
35105828006	B45-2	EPA 300.0	WETA/28986		
35105828007	B83	EPA 300.0	WETA/28986		
35105828008	B76-6	EPA 300.0	WETA/28986		
35105828001	Equip. Blank (8/26/13)	EPA 350.1	WETA/29044		
35105828002	B41-1	EPA 350.1	WETA/29044		
35105828003	B41-1 Dup	EPA 350.1	WETA/29044		
35105828004	B43-1	EPA 350.1	WETA/29044		
35105828005	B45-1	EPA 350.1	WETA/29044		
35105828006	B45-2	EPA 350.1	WETA/29044		
35105828007	B83	EPA 350.1	WETA/29044		
35105828008	B76-6	EPA 350.1	WETA/29044		

REPORT OF LABORATORY ANALYSIS

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WO#: 35105828



35105828



Section A
Required Client Information:

Report To: SENNAPPEL STRICK
Copy To:
Address: WADSWORTH FARMS RD
DARTMOUTH BEACH FL 32124
Email To:
Phone:
Fax:
Requested Due Date/TAT:

Section B
Required Project Information:

Project Name:
Project Number:
Purchase Order No.:
Project Name:
Project Number:

Section C
Required Project Information:

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

Section D
Required Client Information:

Site Location
STATE:
REGULATORY AGENCY
NPDES ☒ GROUND WATER ☐ DRINKING WATER
UST ☐ RCRA ☐ OTHER
Page: 1 of 1
1704003

ITEM #	Section D Required Client Information	Section E Matrix Codes MATRIX / CODE	Section F COLLECTED		Section G SAMPLE TYPE (G=GRAB C=COMP)	Section H MATRIX CODE (see valid codes to left)	Section I DATE	Section J TIME	Section K DATE	Section L TIME	Section M ACCEPTED BY / AFFILIATION	Section N DATE	Section O TIME	Section P SAMPLE CONDITIONS	Section Q Temp in °C	Section R Received on	Section S Custody	Section T Sealed Cooler	Section U Samples Intact	
			COMPOSITE START	COMPOSITE END/GRAB																
1	EQ	Drinking Water DW	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME
2	B41-1	Water WT	8-26-13	1135	8-26-13	1135	8-26-13	1135	8-26-13	1135	8-26-13	1135	8-26-13	1135	8-26-13	1135	8-26-13	1135	8-26-13	1135
3	DUP	Waste Water WW	8-26-13	1214	8-26-13	1214	8-26-13	1214	8-26-13	1214	8-26-13	1214	8-26-13	1214	8-26-13	1214	8-26-13	1214	8-26-13	1214
4	B43-1	Product P	8-26-13	1310	8-26-13	1310	8-26-13	1310	8-26-13	1310	8-26-13	1310	8-26-13	1310	8-26-13	1310	8-26-13	1310	8-26-13	1310
5	B45-1	Soil/Solid S	8-26-13	1350	8-26-13	1350	8-26-13	1350	8-26-13	1350	8-26-13	1350	8-26-13	1350	8-26-13	1350	8-26-13	1350	8-26-13	1350
6	B45-2	Oil O	8-26-13	1423	8-26-13	1423	8-26-13	1423	8-26-13	1423	8-26-13	1423	8-26-13	1423	8-26-13	1423	8-26-13	1423	8-26-13	1423
7	B83	Wipe W	8-26-13	1532	8-26-13	1532	8-26-13	1532	8-26-13	1532	8-26-13	1532	8-26-13	1532	8-26-13	1532	8-26-13	1532	8-26-13	1532
8	B76-6	Air AR	8-26-13	1636	8-26-13	1636	8-26-13	1636	8-26-13	1636	8-26-13	1636	8-26-13	1636	8-26-13	1636	8-26-13	1636	8-26-13	1636
9	TAP BLANK	Tissue TS	8-26-13		8-26-13		8-26-13		8-26-13		8-26-13		8-26-13		8-26-13		8-26-13		8-26-13	
10		Other OT																		
11																				
12																				

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: TOMOKA LANDFILL		SITE LOCATION:	
WELL NO: EQ	SAMPLE ID:		DATE: 8.26.13

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

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:
Groundwater Sampling Log
Document No.:
F-FL-C-021 rev.00

Document Revised:
December 03, 2012
Issuing Authority:
Pace Florida Quality Office

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>TOMOKA LANDFILL</u>		SITE LOCATION:	
WELL NO: <u>B 41-1 / POP</u>	SAMPLE ID:	DATE: <u>8-26-13</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>11.38</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>38.90</u> feet - <u>11.30</u> feet X <u>0.16</u> gallons/foot = <u>4.416</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>14</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>13</u>	PURGING INITIATED AT: <u>11:51</u>	PURGING ENDED AT: <u>12:13</u>	TOTAL VOLUME PURGED (gallons): <u>5.50</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)
<u>12:09</u>	<u>4.50</u>	<u>4.50</u>	<u>0.25</u>	<u>11.4</u>	<u>6.17</u>	<u>23.25</u>	<u>2003</u>	<u>0.39</u>	<u>0.70</u>	<u>YELLOW</u>	<u>SWAN</u>
<u>12:11</u>	<u>0.50</u>	<u>5.00</u>	<u>↓</u>	<u>↓</u>	<u>6.15</u>	<u>23.29</u>	<u>2015</u>	<u>0.34</u>	<u>1.44</u>	<u>↓</u>	<u>↓</u>
<u>12:13</u>	<u>0.50</u>	<u>5.50</u>	<u>↓</u>	<u>↓</u>	<u>6.15</u>	<u>23.31</u>	<u>2025</u>	<u>0.36</u>	<u>1.84</u>	<u>↓</u>	<u>↓</u>
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)											

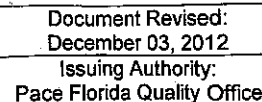
SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>MARK GILBERT / PACE</u>				SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>			SAMPLING INITIATED AT: <u>12:14</u>		SAMPLING ENDED AT: <u>22:5</u>		
PUMP OR TUBING DEPTH IN WELL (feet): <u>13</u>				TUBING MATERIAL CODE: <u>PE S</u>			FIELD-FILTERED: Y <u>N</u> Filtration Equipment Type:		FILTER SIZE: <u> </u> μm		
FIELD DECONTAMINATION: PUMP <u>Y</u> N				TUBING <u>Y</u> N (replaced)			DUPLICATE: <u>Y</u> N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
REMARKS: <u>ORP/-180.4 ORP/-181.1 ORP/-182.1</u>											
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:
Groundwater Sampling Log
Document No.:
F-FL-C-021 rev.00

Document Revised:
December 03, 2012
Issuing Authority:
Pace Florida Quality Office

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>10MOKA LAND FILL</u>		SITE LOCATION:	
WELL NO: <u>B 45-1</u>	SAMPLE ID:	DATE: <u>8-26-13</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>6.55</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>37.36</u> feet - <u>6.55</u> feet X <u>0.16</u> gallons/foot = <u>4.9296</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>10</u>	PURGING INITIATED AT: <u>1333</u>	PURGING ENDED AT: <u>1357</u>	TOTAL VOLUME PURGED (gallons): <u>6.00</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 % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<u>1353</u>	<u>5.00</u>	<u>5.00</u>	<u>0.25</u>	<u>7.91</u>	<u>5.88</u>	<u>22.93</u>	<u>1504</u>	<u>0.28</u>	<u>0.82</u>	<u>CLEAR</u>	<u>Sulfur</u>
<u>1355</u>	<u>0.50</u>	<u>5.50</u>	<u>↓</u>	<u>↓</u>	<u>5.90</u>	<u>22.88</u>	<u>1498</u>	<u>0.31</u>	<u>0.63</u>	<u>↓</u>	<u>↓</u>
<u>1357</u>	<u>0.50</u>	<u>6.00</u>	<u>↓</u>	<u>↓</u>	<u>5.90</u>	<u>22.93</u>	<u>1494</u>	<u>0.27</u>	<u>1.25</u>	<u>↓</u>	<u>↓</u>
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 = Bailor; 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>msl</u>			SAMPLING INITIATED AT: <u>1358</u>		SAMPLING ENDED AT: <u>1403</u>			
PUMP OR TUBING DEPTH IN WELL (feet): <u>10</u>				TUBING MATERIAL CODE: <u>PE.5</u>			FIELD-FILTERED: Y <u>(N)</u>		FILTER SIZE: _____ 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						
REMARKS: <u>ORP-171.1 ORP-173.0 ORP-173.3</u>												
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; 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: DMOKA LANDFILL		SITE LOCATION:	
WELL NO: B45-2	SAMPLE ID:		DATE: 8.26.13

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet)	6.53	PURGE PUMP TYPE OR BAILER:	PP
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (17.65 feet - 6.53 feet) X 0.16 gallons/foot = 1.7792 gallons

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

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 1407	PURGING ENDED AT: 1421	TOTAL VOLUME PURGED (gallons): 380
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[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: MARIA CURBONI / PACE	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: 1423	SAMPLING ENDED AT: 1428
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PUMP OR TUBING DEPTH IN WELL (feet): 10	TUBING MATERIAL CODE: PE, S	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type: _____	FILTER SIZE: _____ μ m
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FIELD DECONTAMINATION:	PUMP	<input checked="" type="radio"/> Y	<input type="radio"/> N	TUBING	<input checked="" type="radio"/> Y	<input type="radio"/> N (replaced)	DUPLICATE:	<input type="radio"/> Y	<input checked="" type="radio"/> N
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[illegible]

REMARKS:

S: ORP-56.1 ORP-49.7 ORP-46.1 ORP-45.3

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:** $\pm 5\%$ **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: TOMOKA LANDFILL		SITE LOCATION:	
WELL NO: B 83	SAMPLE ID:		DATE: 8-26-13

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1 1/2	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	16.90	PURGE PUMP TYPE OR BAILER:	PP
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= 99.45 feet - 16.90 feet X 0.16 gallons/foot = 13.208 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
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INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 20	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 19	PURGING INITIATED AT: 1434	PURGING ENDED AT: 1531	TOTAL VOLUME PURGED (gallons): 14.25
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[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: MAW CARROLL / PAGE	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1532	SAMPLING ENDED AT: 1537
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PUMP OR TUBING DEPTH IN WELL (feet): 19	TUBING MATERIAL CODE: PE-5	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: _____ µm
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FIELD DECONTAMINATION:	PUMP	(Y)	N	TUBING	(Y)	N (replaced)	DUPLICATE:	Y	(N)
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[illegible]

REMARKS: ORP 221.6 ORP 219.0 ORP 218.4

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>TOMAHAWK LANDFILL</u>		SITE LOCATION:	
WELL NO: <u>376-6</u>	SAMPLE ID:		DATE: <u>8-26-13</u>

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.00	PURGE PUMP TYPE OR BAILER: PP
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

50.0 feet 10.00 feet X 0.16 gallons/foot = 6.40 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
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INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12	PURGING INITIATED AT: 1605	PURGING ENDED AT: 1635	TOTAL VOLUME PURGED (gallons): 7.50
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[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" = 0.0008; 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: MARCO CUBERO / PACE	SAMPLER(S) SIGNATURE(S): <i>msc</i>	SAMPLING INITIATED AT: 1636	SAMPLING ENDED AT: 1642
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PUMP OR TUBING DEPTH IN WELL (feet): 12	TUBING MATERIAL CODE: PE, 5	FIELD-FILTERED: Y <input checked="" type="checkbox"/> Filtration Equipment Type: <input checked="" type="checkbox"/>	FILTER SIZE: _____ μm
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FIELD DECONTAMINATION:	PUMP	<u>Y</u>	N	TUBING	<u>Y</u>	N (replaced)	DUPLICATE:	Y	<u>N</u>
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SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION	INTENDED	SAMPLING	SAMPLE PUMP
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[illegible]

REMARKS:

REMARKS: OAP -155.3 OAP -154.8 OAP -155.1

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)

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE TABLE FS 2200-2):
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)

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: VALUHA COUNTY SOLID WASTE Project # 35105828

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 T166 Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temperature °C 6.7 (Visual) 0.0 (Correction Factor) 6.7 (Actual)

(Temp should be above freezing to 5°C). If below 0°C, then was sample frozen?

☐ Yes ☐ No

Receipt of samples satisfactory: Yes ☒ 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: _____

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: _____

Extra Sample in Shed: Yes ☐ No ☐