

November 13, 2013

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

RE: Project: Tomoka Benzene Remediation
Pace Project No.: 35114562

Dear Ms. Stirk:

Enclosed are the analytical results for sample(s) received by the laboratory on November 05, 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 Benzene Remediation

Pace Project No.: 35114562

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Health and Social Services
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Department of the Environment
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
South Carolina Department of Health and Environmental Control
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35114562001	EQ Blank 11/05/13	Water	11/05/13 09:12	11/05/13 15:40
35114562002	B41-1	Water	11/05/13 09:49	11/05/13 15:40
35114562003	B41-1 DUP	Water	11/05/13 09:49	11/05/13 15:40
35114562004	B79-1	Water	11/05/13 10:50	11/05/13 15:40
35114562005	B79-6	Water	11/05/13 11:38	11/05/13 15:40
35114562006	B85	Water	11/05/13 12:20	11/05/13 15:40
35114562007	B45-1	Water	11/05/13 13:08	11/05/13 15:40
35114562008	B45-2	Water	11/05/13 13:36	11/05/13 15:40
35114562009	B43-1	Water	11/05/13 13:36	11/05/13 15:40
35114562010	Trip Blanks-11/05/13	Water	11/05/13 00:00	11/05/13 15:40

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SAMPLE ANALYTE COUNT

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35114562001	EQ Blank 11/05/13	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	ADC	1	PASI-O
35114562002	B41-1	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	ADC	1	PASI-O
35114562003	B41-1 DUP	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	ADC	1	PASI-O
35114562004	B79-1	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	ADC	1	PASI-O
35114562005	B79-6	EPA 8011	IRL	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35114562006	B85	EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	ADC	1	PASI-O
		EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
35114562007	B45-1	EPA 350.1	ADC	1	PASI-O
		EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	ADC	1	PASI-O
		EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
35114562008	B45-2	EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	ADC	1	PASI-O
		EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	ADC	1	PASI-O
		EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
35114562009	B43-1	EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35114562010	Trip Blanks-11/05/13	EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 350.1	ADC	1	PASI-O
		EPA 8260	SK	48	PASI-O

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: EQ Blank 11/05/13 Lab ID: 35114562001 Collected: 11/05/13 09:12 Received: 11/05/13 15:40 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	0.0052U	ug/L	0.021	0.0052	1	11/08/13 00:22	11/08/13 14:13	96-12-8	
1,2-Dibromoethane (EDB)	0.0065U	ug/L	0.011	0.0065	1	11/08/13 00:22	11/08/13 14:13	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 06:50	7440-38-2	
Barium	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 06:50	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/08/13 06:50	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/08/13 06:50	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 06:50	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 06:50	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 06:50	7440-50-8	
Iron	20.0U	ug/L	40.0	20.0	1	11/07/13 11:55	11/08/13 06:50	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 06:50	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 06:50	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	11/07/13 11:55	11/08/13 06:50	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 06:50	7440-22-4	
Sodium	0.50U	mg/L	1.0	0.50	1	11/07/13 11:55	11/08/13 06:50	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 06:50	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	11/07/13 11:55	11/08/13 06:50	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/11/13 07:42	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/11/13 07:42	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	11/07/13 14:45	11/08/13 12:28	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		11/08/13 14:36	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		11/08/13 14:36	107-13-1	L3
Benzene	0.10U	ug/L	1.0	0.10	1		11/08/13 14:36	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		11/08/13 14:36	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		11/08/13 14:36	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		11/08/13 14:36	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		11/08/13 14:36	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		11/08/13 14:36	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	95-50-1	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: EQ Blank 11/05/13 Lab ID: 35114562001 Collected: 11/05/13 09:12 Received: 11/05/13 15:40 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		11/08/13 14:36	106-46-7	J(L2)
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		11/08/13 14:36	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/08/13 14:36	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/08/13 14:36	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		11/08/13 14:36	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		11/08/13 14:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		11/08/13 14:36	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		11/08/13 14:36	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		11/08/13 14:36	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		11/08/13 14:36	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		11/08/13 14:36	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99 %		70-114		1		11/08/13 14:36	460-00-4	
1,2-Dichloroethane-d4 (S)	101 %		86-125		1		11/08/13 14:36	17060-07-0	
Toluene-d8 (S)	107 %		87-113		1		11/08/13 14:36	2037-26-5	
2540C Total Dissolved Solids Analytical Method: SM 2540C									
Total Dissolved Solids	5.0U	mg/L	5.0	5.0	1		11/09/13 05:24		
300.0 IC Anions Analytical Method: EPA 300.0									
Nitrate as N	0.043U	mg/L	0.050	0.043	1		11/07/13 02:56	14797-55-8	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	2.5U	mg/L	5.0	2.5	1		11/07/13 02:56	16887-00-6	
Sulfate	2.5U	mg/L	5.0	2.5	1		11/07/13 02:56	14808-79-8	
350.1 Ammonia Analytical Method: EPA 350.1									
Nitrogen, Ammonia	0.020U	mg/L	0.050	0.020	1		11/07/13 16:15	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B41-1		Lab ID: 35114562002		Collected: 11/05/13 09:49		Received: 11/05/13 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	6.18	Std. Units			1		11/05/13 09:49		
Field Temperature	23.09	deg C			1		11/05/13 09:49		
Appearance	Color: yellow, Sheen: none				1		11/05/13 09:49		
Field Specific Conductance	2259	umhos/cm			1		11/05/13 09:49		
Oxygen, Dissolved	0.71	mg/L			1		11/05/13 09:49	7782-44-7	
REDOX	-101.4	mV			1		11/05/13 09:49		
Turbidity	2.54	NTU			1		11/05/13 09:49		
Water Level(NGVD)	18.74	feet			1		11/05/13 09:49		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	0.0054U	ug/L	0.022	0.0054	1	11/08/13 00:22	11/08/13 14:28	96-12-8	
1,2-Dibromoethane (EDB)	0.0069U	ug/L	0.011	0.0069	1	11/08/13 00:22	11/08/13 14:28	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 06:54	7440-38-2	
Barium	309	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 06:54	7440-39-3	
Beryllium	0.71 I	ug/L	1.0	0.50	1	11/07/13 11:55	11/08/13 06:54	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/08/13 06:54	7440-43-9	
Chromium	5.8	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 06:54	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 06:54	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 06:54	7440-50-8	
Iron	23600	ug/L	40.0	20.0	1	11/07/13 11:55	11/08/13 06:54	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 06:54	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 06:54	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	11/07/13 11:55	11/08/13 06:54	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 06:54	7440-22-4	
Sodium	160	mg/L	1.0	0.50	1	11/07/13 11:55	11/08/13 06:54	7440-23-5	
Vanadium	10.6	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 06:54	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	11/07/13 11:55	11/08/13 06:54	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/11/13 08:04	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/11/13 08:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	0.10U	ug/L	0.20	0.10	1	11/07/13 14:45	11/08/13 12:31	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	10.0U	ug/L	20.0	10.0	1		11/08/13 21:50	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		11/08/13 21:50	107-13-1	L3
Benzene	0.47 I	ug/L	1.0	0.10	1		11/08/13 21:50	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		11/08/13 21:50	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B41-1 **Lab ID: 35114562002** Collected: 11/05/13 09:49 Received: 11/05/13 15:40 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		11/08/13 21:50	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		11/08/13 21:50	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		11/08/13 21:50	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	56-23-5	
Chlorobenzene	4.1	ug/L	1.0	0.50	1		11/08/13 21:50	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		11/08/13 21:50	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		11/08/13 21:50	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		11/08/13 21:50	110-57-6	J(L2)
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/08/13 21:50	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/08/13 21:50	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		11/08/13 21:50	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		11/08/13 21:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		11/08/13 21:50	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		11/08/13 21:50	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		11/08/13 21:50	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		11/08/13 21:50	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		11/08/13 21:50	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101 %		70-114		1		11/08/13 21:50	460-00-4	
1,2-Dichloroethane-d4 (S)	103 %		86-125		1		11/08/13 21:50	17060-07-0	
Toluene-d8 (S)	106 %		87-113		1		11/08/13 21:50	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B41-1		Lab ID: 35114562002		Collected: 11/05/13 09:49		Received: 11/05/13 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	1220	mg/L	10.0	10.0	1		11/09/13 05:25		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	0.22U	mg/L	0.25	0.22	5		11/07/13 01:55	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	177	mg/L	25.0	12.5	5		11/07/13 01:55	16887-00-6	
Sulfate	39.8	mg/L	25.0	12.5	5		11/07/13 01:55	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	65.9	mg/L	5.0	2.0	100		11/07/13 17:27	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B41-1 DUP Lab ID: 35114562003 Collected: 11/05/13 09:49 Received: 11/05/13 15:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.18	Std. Units			1		11/05/13 09:49		
Field Temperature	23.09	deg C			1		11/05/13 09:49		
Appearance	Color: yellow, Sheen: none				1		11/05/13 09:49		
Field Specific Conductance	2259	umhos/cm			1		11/05/13 09:49		
Oxygen, Dissolved	0.71	mg/L			1		11/05/13 09:49	7782-44-7	
REDOX	-101.4	mV			1		11/05/13 09:49		
Turbidity	2.54	NTU			1		11/05/13 09:49		
Depth to Water	18.74	feet			1		11/05/13 09:49		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0055U	ug/L	0.022	0.0055	1	11/08/13 00:22	11/08/13 14:43	96-12-8	
1,2-Dibromoethane (EDB)	0.0069U	ug/L	0.011	0.0069	1	11/08/13 00:22	11/08/13 14:43	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 06:58	7440-38-2	
Barium	307	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 06:58	7440-39-3	
Beryllium	0.66 I	ug/L	1.0	0.50	1	11/07/13 11:55	11/08/13 06:58	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/08/13 06:58	7440-43-9	
Chromium	5.6	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 06:58	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 06:58	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 06:58	7440-50-8	
Iron	23300	ug/L	40.0	20.0	1	11/07/13 11:55	11/08/13 06:58	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 06:58	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 06:58	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	11/07/13 11:55	11/08/13 06:58	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 06:58	7440-22-4	
Sodium	158	mg/L	1.0	0.50	1	11/07/13 11:55	11/08/13 06:58	7440-23-5	
Vanadium	10.7	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 06:58	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	11/07/13 11:55	11/08/13 06:58	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/11/13 08:07	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/11/13 08:07	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	11/07/13 14:45	11/08/13 12:33	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		11/09/13 22:30	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		11/09/13 22:30	107-13-1	L3
Benzene	0.55 I	ug/L	1.0	0.10	1		11/09/13 22:30	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		11/09/13 22:30	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B41-1 DUP Lab ID: 35114562003 Collected: 11/05/13 09:49 Received: 11/05/13 15:40 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		11/09/13 22:30	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		11/09/13 22:30	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		11/09/13 22:30	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	56-23-5	
Chlorobenzene	4.7	ug/L	1.0	0.50	1		11/09/13 22:30	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		11/09/13 22:30	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		11/09/13 22:30	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		11/09/13 22:30	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/09/13 22:30	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/09/13 22:30	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		11/09/13 22:30	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		11/09/13 22:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		11/09/13 22:30	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		11/09/13 22:30	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		11/09/13 22:30	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		11/09/13 22:30	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		11/09/13 22:30	75-01-4	
Xylene (Total)	0.77 I	ug/L	1.0	0.50	1		11/09/13 22:30	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99 %		70-114		1		11/09/13 22:30	460-00-4	
1,2-Dichloroethane-d4 (S)	98 %		86-125		1		11/09/13 22:30	17060-07-0	
Toluene-d8 (S)	105 %		87-113		1		11/09/13 22:30	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B41-1 DUP		Lab ID: 35114562003		Collected: 11/05/13 09:49		Received: 11/05/13 15:40		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		11/09/13 05:25		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	0.22U	mg/L	0.25	0.22	5		11/07/13 02:07	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	181	mg/L	25.0	12.5	5		11/07/13 02:07	16887-00-6	
Sulfate	42.7	mg/L	25.0	12.5	5		11/07/13 02:07	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	66.6	mg/L	5.0	2.0	100		11/07/13 17:28	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B79-1		Lab ID: 35114562004		Collected: 11/05/13 10:50		Received: 11/05/13 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	6.13	Std. Units			1		11/05/13 10:50		
Field Temperature	22.52	deg C			1		11/05/13 10:50		
Appearance	Color: yellow, Sheen: none				1		11/05/13 10:50		
Field Specific Conductance	2977	umhos/cm			1		11/05/13 10:50		
Oxygen, Dissolved	0.27	mg/L			1		11/05/13 10:50	7782-44-7	
REDOX	-68.8	mV			1		11/05/13 10:50		
Turbidity	0.29	NTU			1		11/05/13 10:50		
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	11/08/13 00:22	11/08/13 14:59	96-12-8	
1,2-Dibromoethane (EDB)	0.0065U	ug/L	0.011	0.0065	1	11/08/13 00:22	11/08/13 14:59	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:12	7440-38-2	
Barium	140	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:12	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/08/13 07:12	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/08/13 07:12	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:12	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:12	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:12	7440-50-8	
Iron	25800	ug/L	40.0	20.0	1	11/07/13 11:55	11/08/13 07:12	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:12	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:12	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	11/07/13 11:55	11/08/13 07:12	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:12	7440-22-4	
Sodium	286	mg/L	1.0	0.50	1	11/07/13 11:55	11/08/13 07:12	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:12	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	11/07/13 11:55	11/08/13 07:12	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/11/13 08:10	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/11/13 08:10	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	11/07/13 14:45	11/08/13 12:35	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		11/09/13 23:17	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		11/09/13 23:17	107-13-1	J(M0), L3
Benzene	8.5	ug/L	1.0	0.10	1		11/09/13 23:17	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		11/09/13 23:17	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B79-1 **Lab ID: 35114562004** Collected: 11/05/13 10:50 Received: 11/05/13 15:40 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		11/09/13 23:17	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		11/09/13 23:17	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		11/09/13 23:17	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	56-23-5	
Chlorobenzene	7.7	ug/L	1.0	0.50	1		11/09/13 23:17	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		11/09/13 23:17	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		11/09/13 23:17	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		11/09/13 23:17	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/09/13 23:17	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/09/13 23:17	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		11/09/13 23:17	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		11/09/13 23:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		11/09/13 23:17	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		11/09/13 23:17	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		11/09/13 23:17	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		11/09/13 23:17	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		11/09/13 23:17	75-01-4	
Xylene (Total)	2.9	ug/L	1.0	0.50	1		11/09/13 23:17	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-114		1		11/09/13 23:17	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	86-125		1		11/09/13 23:17	17060-07-0	
Toluene-d8 (S)	105	%	87-113		1		11/09/13 23:17	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B79-1		Lab ID: 35114562004		Collected: 11/05/13 10:50		Received: 11/05/13 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	1650	mg/L	20.0	20.0	1		11/09/13 05:25		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	0.86U	mg/L	1.0	0.86	20		11/07/13 00:55	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	324	mg/L	100	50.0	20		11/07/13 00:55	16887-00-6	
Sulfate	50.0U	mg/L	100	50.0	20		11/07/13 00:55	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	41.1	mg/L	5.0	2.0	100		11/07/13 17:29	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B79-6		Lab ID: 35114562005		Collected: 11/05/13 11:38		Received: 11/05/13 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	6.18	Std. Units			1		11/05/13 11:38		
Field Temperature	22.68	deg C			1		11/05/13 11:38		
Appearance	Color: yellow, Sheen: none				1		11/05/13 11:38		
Field Specific Conductance	2998	umhos/cm			1		11/05/13 11:38		
Oxygen, Dissolved	0.40	mg/L			1		11/05/13 11:38	7782-44-7	
REDOX	-67.1	mV			1		11/05/13 11:38		
Turbidity	0.26	NTU			1		11/05/13 11:38		
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0054U	ug/L	0.022	0.0054	1	11/08/13 00:22	11/08/13 15:29	96-12-8	
1,2-Dibromoethane (EDB)	0.0068U	ug/L	0.011	0.0068	1	11/08/13 00:22	11/08/13 15:29	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:26	7440-38-2	
Barium	129	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:26	7440-39-3	
Beryllium	0.56 I	ug/L	1.0	0.50	1	11/07/13 11:55	11/08/13 07:26	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/08/13 07:26	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:26	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:26	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:26	7440-50-8	
Iron	37300	ug/L	40.0	20.0	1	11/07/13 11:55	11/08/13 07:26	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:26	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:26	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	11/07/13 11:55	11/08/13 07:26	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:26	7440-22-4	
Sodium	279	mg/L	1.0	0.50	1	11/07/13 11:55	11/08/13 07:26	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:26	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	11/07/13 11:55	11/08/13 07:26	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/11/13 08:13	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/11/13 08:13	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	11/07/13 14:45	11/08/13 12:37	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		11/09/13 23:42	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		11/09/13 23:42	107-13-1	L3
Benzene	7.1	ug/L	1.0	0.10	1		11/09/13 23:42	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		11/09/13 23:42	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	75-25-2	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B79-6 **Lab ID: 35114562005** Collected: 11/05/13 11:38 Received: 11/05/13 15:40 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		11/09/13 23:42	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		11/09/13 23:42	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		11/09/13 23:42	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	56-23-5	
Chlorobenzene	6.9	ug/L	1.0	0.50	1		11/09/13 23:42	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		11/09/13 23:42	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		11/09/13 23:42	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	95-50-1	
1,4-Dichlorobenzene	0.63 I	ug/L	1.0	0.50	1		11/09/13 23:42	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		11/09/13 23:42	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/09/13 23:42	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/09/13 23:42	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		11/09/13 23:42	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		11/09/13 23:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		11/09/13 23:42	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		11/09/13 23:42	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		11/09/13 23:42	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		11/09/13 23:42	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		11/09/13 23:42	75-01-4	
Xylene (Total)	2.6	ug/L	1.0	0.50	1		11/09/13 23:42	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-114		1		11/09/13 23:42	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	86-125		1		11/09/13 23:42	17060-07-0	
Toluene-d8 (S)	105	%	87-113		1		11/09/13 23:42	2037-26-5	
2540C Total Dissolved Solids Analytical Method: SM 2540C									
Total Dissolved Solids	1640	mg/L	20.0	20.0	1		11/09/13 05:25		

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B79-6		Lab ID: 35114562005		Collected: 11/05/13 11:38		Received: 11/05/13 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions		Analytical Method: EPA 300.0							
Nitrate as N	0.86U	mg/L	1.0	0.86	20		11/07/13 01:07	14797-55-8	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	292	mg/L	100	50.0	20		11/07/13 01:07	16887-00-6	
Sulfate	50.0U	mg/L	100	50.0	20		11/07/13 01:07	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	54.4	mg/L	5.0	2.0	100		11/07/13 17:30	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B85 Lab ID: 35114562006 Collected: 11/05/13 12:20 Received: 11/05/13 15:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.07	Std. Units			1		11/05/13 12:20		
Field Temperature	22.84	deg C			1		11/05/13 12:20		
Appearance	Color: yellow, Sheen: none				1		11/05/13 12:20		
Field Specific Conductance	1710	umhos/cm			1		11/05/13 12:20		
Oxygen, Dissolved	0.29	mg/L			1		11/05/13 12:20	7782-44-7	
REDOX	-56.6	mV			1		11/05/13 12:20		
Turbidity	0.01	NTU			1		11/05/13 12:20		
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	11/08/13 00:22	11/08/13 15:45	96-12-8	
1,2-Dibromoethane (EDB)	0.0063U	ug/L	0.010	0.0063	1	11/08/13 00:22	11/08/13 15:45	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:30	7440-38-2	
Barium	58.0	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:30	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/08/13 07:30	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/08/13 07:30	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:30	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:30	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:30	7440-50-8	
Iron	6860	ug/L	40.0	20.0	1	11/07/13 11:55	11/08/13 07:30	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:30	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:30	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	11/07/13 11:55	11/08/13 07:30	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:30	7440-22-4	
Sodium	108	mg/L	1.0	0.50	1	11/07/13 11:55	11/08/13 07:30	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:30	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	11/07/13 11:55	11/08/13 07:30	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/11/13 08:16	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/11/13 08:16	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	11/07/13 14:45	11/08/13 12:43	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		11/10/13 00:05	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		11/10/13 00:05	107-13-1	L3
Benzene	0.25 I	ug/L	1.0	0.10	1		11/10/13 00:05	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		11/10/13 00:05	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	75-25-2	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B85 **Lab ID: 35114562006** Collected: 11/05/13 12:20 Received: 11/05/13 15:40 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		11/10/13 00:05	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		11/10/13 00:05	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		11/10/13 00:05	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	56-23-5	
Chlorobenzene	2.9	ug/L	1.0	0.50	1		11/10/13 00:05	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		11/10/13 00:05	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		11/10/13 00:05	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		11/10/13 00:05	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/10/13 00:05	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/10/13 00:05	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		11/10/13 00:05	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		11/10/13 00:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		11/10/13 00:05	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		11/10/13 00:05	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		11/10/13 00:05	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		11/10/13 00:05	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		11/10/13 00:05	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99 %		70-114		1		11/10/13 00:05	460-00-4	
1,2-Dichloroethane-d4 (S)	102 %		86-125		1		11/10/13 00:05	17060-07-0	
Toluene-d8 (S)	106 %		87-113		1		11/10/13 00:05	2037-26-5	
2540C Total Dissolved Solids Analytical Method: SM 2540C									
Total Dissolved Solids	1000	mg/L	10.0	10.0	1		11/09/13 05:25		

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B85 Lab ID: 35114562006 Collected: 11/05/13 12:20 Received: 11/05/13 15:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions Analytical Method: EPA 300.0									
Nitrate as N	0.22U	mg/L	0.25	0.22	5		11/07/13 01:19	14797-55-8	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	129	mg/L	25.0	12.5	5		11/07/13 01:19	16887-00-6	
Sulfate	12.5U	mg/L	25.0	12.5	5		11/07/13 01:19	14808-79-8	
350.1 Ammonia Analytical Method: EPA 350.1									
Nitrogen, Ammonia	9.4	mg/L	0.050	0.020	1		11/07/13 16:20	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B45-1		Lab ID: 35114562007		Collected: 11/05/13 13:08		Received: 11/05/13 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	5.62	Std. Units			1		11/05/13 13:08		
Field Temperature	23.12	deg C			1		11/05/13 13:08		
Appearance	Color: yellow, Sheen: none				1		11/05/13 13:08		
Field Specific Conductance	1591	umhos/cm			1		11/05/13 13:08		
Oxygen, Dissolved	0.50	mg/L			1		11/05/13 13:08	7782-44-7	
REDOX	-64.5	mV			1		11/05/13 13:08		
Turbidity	0.02	NTU			1		11/05/13 13:08		
Water Level(NGVD)	23.39	feet			1		11/05/13 13:08		
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	11/08/13 00:22	11/08/13 16:00	96-12-8	
1,2-Dibromoethane (EDB)	0.0066U	ug/L	0.011	0.0066	1	11/08/13 00:22	11/08/13 16:00	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:33	7440-38-2	
Barium	149	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:33	7440-39-3	
Beryllium	0.51 I	ug/L	1.0	0.50	1	11/07/13 11:55	11/08/13 07:33	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/08/13 07:33	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:33	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:33	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:33	7440-50-8	
Iron	44200	ug/L	40.0	20.0	1	11/07/13 11:55	11/08/13 07:33	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:33	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:33	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	11/07/13 11:55	11/08/13 07:33	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:33	7440-22-4	
Sodium	217	mg/L	1.0	0.50	1	11/07/13 11:55	11/08/13 07:33	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:33	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	11/07/13 11:55	11/08/13 07:33	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/11/13 08:19	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/11/13 08:19	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	11/07/13 14:45	11/08/13 12:46	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		11/10/13 00:29	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		11/10/13 00:29	107-13-1	L3
Benzene	10.4	ug/L	1.0	0.10	1		11/10/13 00:29	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		11/10/13 00:29	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B45-1 **Lab ID: 35114562007** Collected: 11/05/13 13:08 Received: 11/05/13 15:40 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		11/10/13 00:29	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		11/10/13 00:29	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		11/10/13 00:29	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	56-23-5	
Chlorobenzene	5.7	ug/L	1.0	0.50	1		11/10/13 00:29	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		11/10/13 00:29	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		11/10/13 00:29	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		11/10/13 00:29	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/10/13 00:29	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/10/13 00:29	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		11/10/13 00:29	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		11/10/13 00:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		11/10/13 00:29	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		11/10/13 00:29	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		11/10/13 00:29	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		11/10/13 00:29	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		11/10/13 00:29	75-01-4	
Xylene (Total)	2.3	ug/L	1.0	0.50	1		11/10/13 00:29	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99 %		70-114		1		11/10/13 00:29	460-00-4	
1,2-Dichloroethane-d4 (S)	103 %		86-125		1		11/10/13 00:29	17060-07-0	
Toluene-d8 (S)	103 %		87-113		1		11/10/13 00:29	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B45-1		Lab ID: 35114562007		Collected: 11/05/13 13:08		Received: 11/05/13 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	948	mg/L	10.0	10.0	1		11/09/13 05:25		
300.0 IC Anions		Analytical Method: EPA 300.0							
Nitrate as N	0.22U	mg/L	0.25	0.22	5		11/07/13 01:31	14797-55-8	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	180	mg/L	25.0	12.5	5		11/07/13 01:31	16887-00-6	
Sulfate	12.5U	mg/L	25.0	12.5	5		11/07/13 01:31	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	0.047 I	mg/L	0.050	0.020	1		11/07/13 16:21	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B45-2		Lab ID: 35114562008		Collected: 11/05/13 13:36		Received: 11/05/13 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	5.69	Std. Units			1		11/05/13 13:36		
Field Temperature	23.39	deg C			1		11/05/13 13:36		
Appearance	Color: none, Sheen: none				1		11/05/13 13:36		
Field Specific Conductance	1655	umhos/cm			1		11/05/13 13:36		
Oxygen, Dissolved	0.26	mg/L			1		11/05/13 13:36	7782-44-7	
REDOX	-46.3	mV			1		11/05/13 13:36		
Turbidity	2.39	NTU			1		11/05/13 13:36		
Water Level(NGVD)	23.36	feet			1		11/05/13 13:36		
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	11/08/13 00:22	11/08/13 16:15	96-12-8	
1,2-Dibromoethane (EDB)	0.0066U	ug/L	0.011	0.0066	1	11/08/13 00:22	11/08/13 16:15	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:37	7440-38-2	
Barium	101	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:37	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/08/13 07:37	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/08/13 07:37	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:37	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:37	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:37	7440-50-8	
Iron	273	ug/L	40.0	20.0	1	11/07/13 11:55	11/08/13 07:37	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:37	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:37	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	11/07/13 11:55	11/08/13 07:37	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:37	7440-22-4	
Sodium	59.3	mg/L	1.0	0.50	1	11/07/13 11:55	11/08/13 07:37	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:37	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	11/07/13 11:55	11/08/13 07:37	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/11/13 08:22	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/11/13 08:22	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	11/07/13 14:45	11/08/13 12:48	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		11/10/13 00:53	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		11/10/13 00:53	107-13-1	L3
Benzene	0.10U	ug/L	1.0	0.10	1		11/10/13 00:53	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		11/10/13 00:53	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B45-2 **Lab ID: 35114562008** Collected: 11/05/13 13:36 Received: 11/05/13 15:40 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		11/10/13 00:53	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		11/10/13 00:53	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		11/10/13 00:53	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		11/10/13 00:53	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		11/10/13 00:53	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		11/10/13 00:53	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/10/13 00:53	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/10/13 00:53	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		11/10/13 00:53	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		11/10/13 00:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		11/10/13 00:53	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		11/10/13 00:53	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		11/10/13 00:53	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		11/10/13 00:53	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		11/10/13 00:53	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97 %		70-114		1		11/10/13 00:53	460-00-4	
1,2-Dichloroethane-d4 (S)	102 %		86-125		1		11/10/13 00:53	17060-07-0	
Toluene-d8 (S)	104 %		87-113		1		11/10/13 00:53	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B45-2		Lab ID: 35114562008		Collected: 11/05/13 13:36		Received: 11/05/13 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	1320	mg/L	10.0	10.0	1		11/09/13 06:13		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	166	mg/L	2.5	2.2	50		11/07/13 13:34	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	63.0	mg/L	10.0	5.0	2		11/07/13 01:43	16887-00-6	
Sulfate	24.6	mg/L	10.0	5.0	2		11/07/13 01:43	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	0.020U	mg/L	0.050	0.020	1		11/07/13 16:22	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B43-1		Lab ID: 35114562009		Collected: 11/05/13 13:36		Received: 11/05/13 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	5.74	Std. Units			1		11/05/13 13:36		
Field Temperature	22.92	deg C			1		11/05/13 13:36		
Appearance	Color: none, Sheen: none				1		11/05/13 13:36		
Field Specific Conductance	733	umhos/cm			1		11/05/13 13:36		
Oxygen, Dissolved	0.33	mg/L			1		11/05/13 13:36	7782-44-7	
REDOX	-72.0	mV			1		11/05/13 13:36		
Turbidity	0.89	NTU			1		11/05/13 13:36		
Water Level(NGVD)	15.37	feet			1		11/05/13 13:36		
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	11/08/13 00:22	11/08/13 16:31	96-12-8	
1,2-Dibromoethane (EDB)	0.0066U	ug/L	0.011	0.0066	1	11/08/13 00:22	11/08/13 16:31	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:40	7440-38-2	
Barium	146	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:40	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/08/13 07:40	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/08/13 07:40	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:40	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:40	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:40	7440-50-8	
Iron	23000	ug/L	40.0	20.0	1	11/07/13 11:55	11/08/13 07:40	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:40	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:40	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	11/07/13 11:55	11/08/13 07:40	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	11/07/13 11:55	11/08/13 07:40	7440-22-4	
Sodium	79.3	mg/L	1.0	0.50	1	11/07/13 11:55	11/08/13 07:40	7440-23-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	11/07/13 11:55	11/08/13 07:40	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	11/07/13 11:55	11/08/13 07:40	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/11/13 08:25	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	11/07/13 11:55	11/11/13 08:25	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	11/07/13 14:45	11/08/13 12:50	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		11/10/13 01:17	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		11/10/13 01:17	107-13-1	L3
Benzene	0.10U	ug/L	1.0	0.10	1		11/10/13 01:17	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		11/10/13 01:17	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B43-1 **Lab ID: 35114562009** Collected: 11/05/13 13:36 Received: 11/05/13 15:40 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		11/10/13 01:17	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		11/10/13 01:17	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		11/10/13 01:17	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	56-23-5	
Chlorobenzene	1.4	ug/L	1.0	0.50	1		11/10/13 01:17	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		11/10/13 01:17	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		11/10/13 01:17	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		11/10/13 01:17	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/10/13 01:17	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/10/13 01:17	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		11/10/13 01:17	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		11/10/13 01:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		11/10/13 01:17	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		11/10/13 01:17	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		11/10/13 01:17	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		11/10/13 01:17	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		11/10/13 01:17	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100 %		70-114		1		11/10/13 01:17	460-00-4	
1,2-Dichloroethane-d4 (S)	99 %		86-125		1		11/10/13 01:17	17060-07-0	
Toluene-d8 (S)	104 %		87-113		1		11/10/13 01:17	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: B43-1		Lab ID: 35114562009		Collected: 11/05/13 13:36		Received: 11/05/13 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	431	mg/L	5.0	5.0	1		11/09/13 06:13		
300.0 IC Anions		Analytical Method: EPA 300.0							
Nitrate as N	0.043U	mg/L	0.050	0.043	1		11/07/13 02:19	14797-55-8	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	90.0	mg/L	5.0	2.5	1		11/07/13 02:19	16887-00-6	
Sulfate	31.9	mg/L	5.0	2.5	1		11/07/13 02:19	14808-79-8	
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	1.6	mg/L	0.050	0.020	1		11/07/13 16:23	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: Trip Blanks-11/05/13 **Lab ID:** 35114562010 **Collected:** 11/05/13 00:00 **Received:** 11/05/13 15:40 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Acetone	10.0U	ug/L	20.0	10.0	1		11/09/13 21:41	67-64-1	L3
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		11/09/13 21:41	107-13-1	
Benzene	0.10U	ug/L	1.0	0.10	1		11/09/13 21:41	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		11/09/13 21:41	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		11/09/13 21:41	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		11/09/13 21:41	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		11/09/13 21:41	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		11/09/13 21:41	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		11/09/13 21:41	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/09/13 21:41	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		11/09/13 21:41	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		11/09/13 21:41	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		11/09/13 21:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		11/09/13 21:41	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		11/09/13 21:41	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		11/09/13 21:41	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		11/09/13 21:41	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		11/09/13 21:41	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Sample: Trip Blanks-11/05/13 **Lab ID:** 35114562010 Collected: 11/05/13 00:00 Received: 11/05/13 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Surrogates									
4-Bromofluorobenzene (S)	98 %		70-114		1		11/09/13 21:41	460-00-4	
1,2-Dichloroethane-d4 (S)	103 %		86-125		1		11/09/13 21:41	17060-07-0	
Toluene-d8 (S)	105 %		87-113		1		11/09/13 21:41	2037-26-5	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

QC Batch:	MERP/4207	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury
Associated Lab Samples:	35114562001, 35114562002, 35114562003, 35114562004, 35114562005, 35114562006, 35114562007, 35114562008, 35114562009		

METHOD BLANK:	761506	Matrix:	Water
Associated Lab Samples:	35114562001, 35114562002, 35114562003, 35114562004, 35114562005, 35114562006, 35114562007, 35114562008, 35114562009		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	11/08/13 12:03	

LABORATORY CONTROL SAMPLE: 761507

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 761508 761509

Parameter	Units	35114364001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10U	2	2	2.0	2.0	100	100	80-120	.5	20	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

QC Batch: MPRP/15783

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Associated Lab Samples: 35114562001, 35114562002, 35114562003, 35114562004, 35114562005, 35114562006, 35114562007, 35114562008, 35114562009

METHOD BLANK: 761118

Matrix: Water

Associated Lab Samples: 35114562001, 35114562002, 35114562003, 35114562004, 35114562005, 35114562006, 35114562007, 35114562008, 35114562009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	11/08/13 06:43	
Barium	ug/L	5.0U	10.0	11/08/13 06:43	
Beryllium	ug/L	0.50U	1.0	11/08/13 06:43	
Cadmium	ug/L	0.50U	1.0	11/08/13 06:43	
Chromium	ug/L	2.5U	5.0	11/08/13 06:43	
Cobalt	ug/L	5.0U	10.0	11/08/13 06:43	
Copper	ug/L	2.5U	5.0	11/08/13 06:43	
Iron	ug/L	20.0U	40.0	11/08/13 06:43	
Lead	ug/L	5.0U	10.0	11/08/13 06:43	
Nickel	ug/L	2.5U	5.0	11/08/13 06:43	
Selenium	ug/L	7.5U	15.0	11/08/13 06:43	
Silver	ug/L	2.5U	5.0	11/08/13 06:43	
Sodium	mg/L	0.50U	1.0	11/08/13 06:43	
Vanadium	ug/L	5.0U	10.0	11/08/13 06:43	
Zinc	ug/L	10.0U	20.0	11/08/13 06:43	

LABORATORY CONTROL SAMPLE: 761119

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	246	98	80-120	
Barium	ug/L	250	256	102	80-120	
Beryllium	ug/L	25	26.6	106	80-120	
Cadmium	ug/L	25	26.2	105	80-120	
Chromium	ug/L	250	270	108	80-120	
Cobalt	ug/L	250	262	105	80-120	
Copper	ug/L	250	254	102	80-120	
Iron	ug/L	2500	2600	104	80-120	
Lead	ug/L	250	266	106	80-120	
Nickel	ug/L	250	265	106	80-120	
Selenium	ug/L	250	250	100	80-120	
Silver	ug/L	25	25.3	101	80-120	
Sodium	mg/L	12.5	12.7	102	80-120	
Vanadium	ug/L	250	260	104	80-120	
Zinc	ug/L	1250	1270	101	80-120	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 761120 761121											
Parameter	Units	35114775009 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max	
			Spike Conc.	Spike Conc.						RPD	RPD
Arsenic	ug/L	5.0U	250	250	261	262	104	105	75-125	.4	20
Barium	ug/L	127	250	250	385	386	103	104	75-125	.3	20
Beryllium	ug/L	0.50U	25	25	26.4	26.4	104	104	75-125	.08	20
Cadmium	ug/L	0.50U	25	25	25.4	25.6	102	102	75-125	.8	20
Chromium	ug/L	2.5U	250	250	264	263	105	104	75-125	.5	20
Cobalt	ug/L	5.0U	250	250	257	259	103	103	75-125	.5	20
Copper	ug/L	2.5U	250	250	265	264	105	105	75-125	.5	20
Iron	ug/L	13900	2500	2500	16600	16500	108	107	75-125	.1	20
Lead	ug/L	5.0U	250	250	258	258	103	103	75-125	.3	20
Nickel	ug/L	2.5U	250	250	257	257	103	103	75-125	.08	20
Selenium	ug/L	7.5U	250	250	254	256	101	102	75-125	.4	20
Silver	ug/L	2.5U	25	25	26.6	26.7	105	105	75-125	.5	20
Sodium	mg/L	269	12.5	12.5	285	285	130	126	75-125	.2	20 J(M1)
Vanadium	ug/L	5.0U	250	250	259	259	103	103	75-125	0	20
Zinc	ug/L	10.0U	1250	1250	1310	1320	105	105	75-125	.5	20

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

QC Batch:	MPRP/15784	Analysis Method:	EPA 6020
QC Batch Method:	EPA 3010	Analysis Description:	6020 MET
Associated Lab Samples:	35114562001, 35114562002, 35114562003, 35114562004, 35114562005, 35114562006, 35114562007, 35114562008, 35114562009		

METHOD BLANK: 761122 Matrix: Water

Associated Lab Samples: 35114562001, 35114562002, 35114562003, 35114562004, 35114562005, 35114562006, 35114562007, 35114562008, 35114562009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	11/11/13 07:35	
Thallium	ug/L	0.50U	1.0	11/11/13 07:35	

LABORATORY CONTROL SAMPLE: 761123

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	50.5	101	80-120	
Thallium	ug/L	50	51.6	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 761124 761125

Parameter	Units	35113329026 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50U	50	50	49.5	50.3	98	100	70-130	1	20	
Thallium	ug/L	0.50U	50	50	51.1	51.2	102	102	70-130	.08	20	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

QC Batch: MSV/10120

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 35114562001, 35114562002

METHOD BLANK: 762722

Matrix: Water

Associated Lab Samples: 35114562001, 35114562002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	11/08/13 13:24	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	11/08/13 13:24	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	11/08/13 13:24	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	11/08/13 13:24	
1,1-Dichloroethane	ug/L	0.50U	1.0	11/08/13 13:24	
1,1-Dichloroethene	ug/L	0.50U	1.0	11/08/13 13:24	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	11/08/13 13:24	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	11/08/13 13:24	
1,2-Dichloroethane	ug/L	0.50U	1.0	11/08/13 13:24	
1,2-Dichloropropane	ug/L	0.50U	1.0	11/08/13 13:24	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	11/08/13 13:24	
2-Butanone (MEK)	ug/L	5.0U	10.0	11/08/13 13:24	
2-Hexanone	ug/L	5.0U	10.0	11/08/13 13:24	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	11/08/13 13:24	
Acetone	ug/L	10.0U	20.0	11/08/13 13:24	
Acrylonitrile	ug/L	5.0U	10.0	11/08/13 13:24	
Benzene	ug/L	0.10U	1.0	11/08/13 13:24	
Bromochloromethane	ug/L	0.50U	1.0	11/08/13 13:24	
Bromodichloromethane	ug/L	0.27U	0.60	11/08/13 13:24	
Bromoform	ug/L	0.50U	1.0	11/08/13 13:24	
Bromomethane	ug/L	0.50U	1.0	11/08/13 13:24	
Carbon disulfide	ug/L	5.0U	10.0	11/08/13 13:24	
Carbon tetrachloride	ug/L	0.50U	1.0	11/08/13 13:24	
Chlorobenzene	ug/L	0.50U	1.0	11/08/13 13:24	
Chloroethane	ug/L	0.50U	1.0	11/08/13 13:24	
Chloroform	ug/L	0.50U	1.0	11/08/13 13:24	
Chloromethane	ug/L	0.62U	1.0	11/08/13 13:24	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	11/08/13 13:24	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	11/08/13 13:24	
Dibromochloromethane	ug/L	0.26U	0.50	11/08/13 13:24	
Dibromomethane	ug/L	0.50U	1.0	11/08/13 13:24	
Ethylbenzene	ug/L	0.50U	1.0	11/08/13 13:24	
Iodomethane	ug/L	0.50U	1.0	11/08/13 13:24	
Methylene Chloride	ug/L	2.5U	5.0	11/08/13 13:24	
Styrene	ug/L	0.50U	1.0	11/08/13 13:24	
Tetrachloroethene	ug/L	0.50U	1.0	11/08/13 13:24	
Toluene	ug/L	0.50U	1.0	11/08/13 13:24	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	11/08/13 13:24	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	11/08/13 13:24	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	11/08/13 13:24	
Trichloroethene	ug/L	0.50U	1.0	11/08/13 13:24	
Trichlorofluoromethane	ug/L	0.50U	1.0	11/08/13 13:24	
Vinyl acetate	ug/L	1.0U	2.0	11/08/13 13:24	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

METHOD BLANK: 762722

Matrix: Water

Associated Lab Samples: 35114562001, 35114562002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	0.50U	1.0	11/08/13 13:24	
Xylene (Total)	ug/L	0.50U	1.0	11/08/13 13:24	
1,2-Dichloroethane-d4 (S)	%	103	86-125	11/08/13 13:24	
4-Bromofluorobenzene (S)	%	95	70-114	11/08/13 13:24	
Toluene-d8 (S)	%	106	87-113	11/08/13 13:24	

LABORATORY CONTROL SAMPLE: 762723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.7	93	70-130	
1,1,1-Trichloroethane	ug/L	20	18.9	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	15.8	79	70-130	
1,1,2-Trichloroethane	ug/L	20	17.8	89	70-130	
1,1-Dichloroethane	ug/L	20	17.2	86	70-130	
1,1-Dichloroethene	ug/L	20	18.0	90	70-130	
1,2,3-Trichloropropane	ug/L	20	18.8	94	70-130	
1,2-Dichlorobenzene	ug/L	20	17.6	88	70-130	
1,2-Dichloroethane	ug/L	20	18.0	90	70-130	
1,2-Dichloropropane	ug/L	20	18.5	92	70-130	
1,4-Dichlorobenzene	ug/L	20	17.1	86	70-130	
2-Butanone (MEK)	ug/L	40	30.0	75	55-167	
2-Hexanone	ug/L	40	28.3	71	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	30.8	77	70-130	
Acetone	ug/L	40	30.4	76	40-150	
Acrylonitrile	ug/L	100	149	149	70-130 J(L0)	
Benzene	ug/L	20	17.8	89	70-130	
Bromochloromethane	ug/L	20	19.0	95	70-130	
Bromodichloromethane	ug/L	20	18.1	91	70-130	
Bromoform	ug/L	20	14.9	75	68-130	
Bromomethane	ug/L	20	19.2	96	38-179	
Carbon disulfide	ug/L	20	15.7	78	51-155	
Carbon tetrachloride	ug/L	20	17.9	90	70-130	
Chlorobenzene	ug/L	20	17.7	89	70-130	
Chloroethane	ug/L	20	16.5	83	59-149	
Chloroform	ug/L	20	17.9	90	70-130	
Chloromethane	ug/L	20	16.1	81	68-130	
cis-1,2-Dichloroethene	ug/L	20	18.1	90	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.2	86	70-130	
Dibromochloromethane	ug/L	20	17.4	87	70-130	
Dibromomethane	ug/L	20	17.6	88	70-130	
Ethylbenzene	ug/L	20	18.3	92	70-130	
Iodomethane	ug/L	40	29.7	74	43-160	
Methylene Chloride	ug/L	20	16.1	80	70-130	
Styrene	ug/L	20	17.8	89	70-130	
Tetrachloroethane	ug/L	20	18.0	90	66-133	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

LABORATORY CONTROL SAMPLE: 762723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	18.8	94	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.3	86	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.0	90	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	12.4	62	65-130	J(L0)
Trichloroethene	ug/L	20	17.8	89	70-130	
Trichlorofluoromethane	ug/L	20	17.2	86	70-131	
Vinyl acetate	ug/L	40	32.8	82	69-135	
Vinyl chloride	ug/L	20	16.5	82	69-140	
Xylene (Total)	ug/L	60	55.6	93	70-130	
1,2-Dichloroethane-d4 (S)	%			93	86-125	
4-Bromofluorobenzene (S)	%			110	70-114	
Toluene-d8 (S)	%			102	87-113	

MATRIX SPIKE SAMPLE: 764292

Parameter	Units	35114387006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	16.5	82	39-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	17.7	89	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	13.9	70	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	16.0	80	50-130	
1,1-Dichloroethane	ug/L	0.50U	20	15.4	77	54-137	
1,1-Dichloroethene	ug/L	0.50U	20	17.6	88	45-155	
1,2,3-Trichloropropane	ug/L	0.36U	20	16.2	81	31-132	
1,2-Dichlorobenzene	ug/L	0.50U	20	15.6	78	43-130	
1,2-Dichloroethane	ug/L	0.50U	20	17.0	85	54-130	
1,2-Dichloropropane	ug/L	0.50U	20	16.5	83	53-130	
1,4-Dichlorobenzene	ug/L	0.50U	20	15.4	77	38-130	
2-Butanone (MEK)	ug/L	5.0U	40	30.4	76	48-138	
2-Hexanone	ug/L	5.0U	40	32.2	81	38-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	32.5	81	28-143	
Acetone	ug/L	10.0U	40	31.8	79	20-140	
Acrylonitrile	ug/L	5.0U	100	151	151	46-130	J(M0)
Benzene	ug/L	0.10U	20	15.9	79	53-132	
Bromochloromethane	ug/L	0.50U	20	16.6	83	54-132	
Bromodichloromethane	ug/L	0.27U	20	16.2	81	46-130	
Bromoform	ug/L	0.50U	20	12.9	64	32-130	
Bromomethane	ug/L	0.50U	20	13.3	66	20-152	
Carbon disulfide	ug/L	5.0U	20	18.1	91	28-184	
Carbon tetrachloride	ug/L	0.50U	20	16.7	83	37-137	
Chlorobenzene	ug/L	0.50U	20	16.0	80	46-130	
Chloroethane	ug/L	0.50U	20	15.6	78	48-159	
Chloroform	ug/L	0.50U	20	17.0	85	51-130	
Chloromethane	ug/L	0.62U	20	14.8	74	39-144	
cis-1,2-Dichloroethene	ug/L	0.50U	20	16.0	80	54-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	14.5	73	45-130	
Dibromochloromethane	ug/L	0.26U	20	15.2	76	43-130	
Dibromomethane	ug/L	0.50U	20	16.0	80	50-130	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

MATRIX SPIKE SAMPLE: 764292		35114387006	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Ethylbenzene	ug/L	0.50U	20	16.1	80	43-130	
Iodomethane	ug/L	0.50U	40	27.6	69	20-169	
Methylene Chloride	ug/L	2.5U	20	16.1	81	51-135	
Styrene	ug/L	0.50U	20	15.8	79	40-130	
Tetrachloroethene	ug/L	0.50U	20	15.0	75	26-130	
Toluene	ug/L	0.50U	20	16.1	80	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	15.2	76	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	14.9	75	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	11.0	55	20-139	
Trichloroethene	ug/L	0.50U	20	16.6	83	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	18.5	92	46-146	
Vinyl acetate	ug/L	1.0U	40	31.1	78	20-165	
Vinyl chloride	ug/L	0.50U	20	13.7	69	57-142	
Xylene (Total)	ug/L	0.50U	60	49.2	82	42-130	
1,2-Dichloroethane-d4 (S)	%				100	86-125	
4-Bromofluorobenzene (S)	%				105	70-114	
Toluene-d8 (S)	%				103	87-113	

SAMPLE DUPLICATE: 764291

Parameter	Units	35114387005	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	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	0.10U	0.10U		40	
Bromochloromethane	ug/L	0.50U	0.50U		40	
Bromodichloromethane	ug/L	0.27U	0.27U		40	
Bromoform	ug/L	0.50U	0.50U		40	
Bromomethane	ug/L	0.50U	0.50U		40	
Carbon disulfide	ug/L	5.0U	5.0U		40	
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	0.50U	0.50U		40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

SAMPLE DUPLICATE: 764291

Parameter	Units	35114387005 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloromethane	ug/L	0.62U	0.62U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.50U	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane-d4 (S)	%	104	104	.3		
4-Bromofluorobenzene (S)	%	104	102	2		
Toluene-d8 (S)	%	106	105	1		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

QC Batch:	MSV/10131	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	35114562003, 35114562004, 35114562005, 35114562006, 35114562007, 35114562008, 35114562009, 35114562010		

METHOD BLANK: 763761

Matrix: Water

Associated Lab Samples: 35114562003, 35114562004, 35114562005, 35114562006, 35114562007, 35114562008, 35114562009, 35114562010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	11/09/13 21:17	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	11/09/13 21:17	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	11/09/13 21:17	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	11/09/13 21:17	
1,1-Dichloroethane	ug/L	0.50U	1.0	11/09/13 21:17	
1,1-Dichloroethene	ug/L	0.50U	1.0	11/09/13 21:17	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	11/09/13 21:17	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	11/09/13 21:17	
1,2-Dichloroethane	ug/L	0.50U	1.0	11/09/13 21:17	
1,2-Dichloropropane	ug/L	0.50U	1.0	11/09/13 21:17	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	11/09/13 21:17	
2-Butanone (MEK)	ug/L	5.0U	10.0	11/09/13 21:17	
2-Hexanone	ug/L	5.0U	10.0	11/09/13 21:17	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	11/09/13 21:17	
Acetone	ug/L	10.0U	20.0	11/09/13 21:17	
Acrylonitrile	ug/L	5.0U	10.0	11/09/13 21:17	
Benzene	ug/L	0.10U	1.0	11/09/13 21:17	
Bromochloromethane	ug/L	0.50U	1.0	11/09/13 21:17	
Bromodichloromethane	ug/L	0.27U	0.60	11/09/13 21:17	
Bromoform	ug/L	0.50U	1.0	11/09/13 21:17	
Bromomethane	ug/L	0.50U	1.0	11/09/13 21:17	
Carbon disulfide	ug/L	5.0U	10.0	11/09/13 21:17	
Carbon tetrachloride	ug/L	0.50U	1.0	11/09/13 21:17	
Chlorobenzene	ug/L	0.50U	1.0	11/09/13 21:17	
Chloroethane	ug/L	0.50U	1.0	11/09/13 21:17	
Chloroform	ug/L	0.50U	1.0	11/09/13 21:17	
Chloromethane	ug/L	0.62U	1.0	11/09/13 21:17	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	11/09/13 21:17	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	11/09/13 21:17	
Dibromochloromethane	ug/L	0.26U	0.50	11/09/13 21:17	
Dibromomethane	ug/L	0.50U	1.0	11/09/13 21:17	
Ethylbenzene	ug/L	0.50U	1.0	11/09/13 21:17	
Iodomethane	ug/L	0.50U	1.0	11/09/13 21:17	
Methylene Chloride	ug/L	2.5U	5.0	11/09/13 21:17	
Styrene	ug/L	0.50U	1.0	11/09/13 21:17	
Tetrachloroethene	ug/L	0.50U	1.0	11/09/13 21:17	
Toluene	ug/L	0.50U	1.0	11/09/13 21:17	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	11/09/13 21:17	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	11/09/13 21:17	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	11/09/13 21:17	
Trichloroethene	ug/L	0.50U	1.0	11/09/13 21:17	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

METHOD BLANK: 763761

Matrix: Water

Associated Lab Samples: 35114562003, 35114562004, 35114562005, 35114562006, 35114562007, 35114562008, 35114562009, 35114562010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50U	1.0	11/09/13 21:17	
Vinyl acetate	ug/L	1.0U	2.0	11/09/13 21:17	
Vinyl chloride	ug/L	0.50U	1.0	11/09/13 21:17	
Xylene (Total)	ug/L	0.50U	1.0	11/09/13 21:17	
1,2-Dichloroethane-d4 (S)	%	102	86-125	11/09/13 21:17	
4-Bromofluorobenzene (S)	%	104	70-114	11/09/13 21:17	
Toluene-d8 (S)	%	105	87-113	11/09/13 21:17	

LABORATORY CONTROL SAMPLE: 763762

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.2	101	70-130	
1,1,1-Trichloroethane	ug/L	20	18.2	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.6	98	70-130	
1,1,2-Trichloroethane	ug/L	20	20.8	104	70-130	
1,1-Dichloroethane	ug/L	20	17.0	85	70-130	
1,1-Dichloroethene	ug/L	20	17.5	88	70-130	
1,2,3-Trichloropropane	ug/L	20	23.6	118	70-130	
1,2-Dichlorobenzene	ug/L	20	21.5	107	70-130	
1,2-Dichloroethane	ug/L	20	18.3	91	70-130	
1,2-Dichloropropane	ug/L	20	21.9	110	70-130	
1,4-Dichlorobenzene	ug/L	20	20.4	102	70-130	
2-Butanone (MEK)	ug/L	40	38.5	96	55-167	
2-Hexanone	ug/L	40	37.4	94	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	38.3	96	70-130	
Acetone	ug/L	40	34.9	87	40-150	
Acrylonitrile	ug/L	100	191	191	70-130 J(L0)	
Benzene	ug/L	20	17.5	88	70-130	
Bromochloromethane	ug/L	20	18.4	92	70-130	
Bromodichloromethane	ug/L	20	19.3	97	70-130	
Bromoform	ug/L	20	21.5	107	68-130	
Bromomethane	ug/L	20	18.6	93	38-179	
Carbon disulfide	ug/L	20	20.6	103	51-155	
Carbon tetrachloride	ug/L	20	18.3	92	70-130	
Chlorobenzene	ug/L	20	19.4	97	70-130	
Chloroethane	ug/L	20	19.9	100	59-149	
Chloroform	ug/L	20	18.7	94	70-130	
Chloromethane	ug/L	20	19.9	100	68-130	
cis-1,2-Dichloroethene	ug/L	20	18.6	93	70-130	
cis-1,3-Dichloropropene	ug/L	20	23.1	116	70-130	
Dibromochloromethane	ug/L	20	20.4	102	70-130	
Dibromomethane	ug/L	20	19.3	97	70-130	
Ethylbenzene	ug/L	20	19.8	99	70-130	
Iodomethane	ug/L	40	38.3	96	43-160	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

LABORATORY CONTROL SAMPLE: 763762

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	16.1	80	70-130	
Styrene	ug/L	20	20.2	101	70-130	
Tetrachloroethene	ug/L	20	22.4	112	66-133	
Toluene	ug/L	20	18.6	93	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.3	91	70-130	
trans-1,3-Dichloropropene	ug/L	20	23.4	117	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	18.3	92	65-130	
Trichloroethene	ug/L	20	17.7	89	70-130	
Trichlorofluoromethane	ug/L	20	18.5	93	70-131	
Vinyl acetate	ug/L	40	38.2	96	69-135	
Vinyl chloride	ug/L	20	21.0	105	69-140	
Xylene (Total)	ug/L	60	62.4	104	70-130	
1,2-Dichloroethane-d4 (S)	%			99	86-125	
4-Bromofluorobenzene (S)	%			104	70-114	
Toluene-d8 (S)	%			102	87-113	

MATRIX SPIKE SAMPLE: 764294

Parameter	Units	35114562004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	18.7	94	39-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	18.7	94	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	18.5	92	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	18.8	94	50-130	
1,1-Dichloroethane	ug/L	0.50U	20	16.5	82	54-137	
1,1-Dichloroethene	ug/L	0.50U	20	15.4	77	45-155	
1,2,3-Trichloropropane	ug/L	0.36U	20	23.6	118	31-132	
1,2-Dichlorobenzene	ug/L	0.50U	20	19.0	95	43-130	
1,2-Dichloroethane	ug/L	0.50U	20	17.4	87	54-130	
1,2-Dichloropropane	ug/L	0.50U	20	20.8	104	53-130	
1,4-Dichlorobenzene	ug/L	0.50U	20	18.7	94	38-130	
2-Butanone (MEK)	ug/L	5.0U	40	33.9	85	48-138	
2-Hexanone	ug/L	5.0U	40	35.1	88	38-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	35.1	88	28-143	
Acetone	ug/L	10.0U	40	40.5	80	20-140	
Acrylonitrile	ug/L	5.0U	100	169	169	46-130 J(M0)	
Benzene	ug/L	8.5	20	23.9	77	53-132	
Bromochloromethane	ug/L	0.50U	20	16.4	82	54-132	
Bromodichloromethane	ug/L	0.27U	20	18.2	91	46-130	
Bromoform	ug/L	0.50U	20	19.5	98	32-130	
Bromomethane	ug/L	0.50U	20	14.3	72	20-152	
Carbon disulfide	ug/L	5.0U	20	19.1	80	28-184	
Carbon tetrachloride	ug/L	0.50U	20	18.2	91	37-137	
Chlorobenzene	ug/L	7.7	20	24.8	85	46-130	
Chloroethane	ug/L	0.50U	20	18.9	94	48-159	
Chloroform	ug/L	0.50U	20	18.3	91	51-130	
Chloromethane	ug/L	0.62U	20	19.6	98	39-144	
cis-1,2-Dichloroethene	ug/L	0.50U	20	17.2	86	54-130	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

MATRIX SPIKE SAMPLE: 764294		35114562004	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	0.25U	20	19.4	97	45-130	
Dibromochloromethane	ug/L	0.26U	20	18.7	93	43-130	
Dibromomethane	ug/L	0.50U	20	17.9	90	50-130	
Ethylbenzene	ug/L	0.50U	20	18.1	90	43-130	
Iodomethane	ug/L	0.50U	40	30.6	76	20-169	
Methylene Chloride	ug/L	2.5U	20	15.1	76	51-135	
Styrene	ug/L	0.50U	20	18.9	94	40-130	
Tetrachloroethene	ug/L	0.50U	20	16.7	83	26-130	
Toluene	ug/L	0.50U	20	17.7	86	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	16.2	81	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	20.3	102	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	15.7	78	20-139	
Trichloroethene	ug/L	0.50U	20	17.1	86	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	16.5	83	46-146	
Vinyl acetate	ug/L	1.0U	40	31.5	79	20-165	
Vinyl chloride	ug/L	0.50U	20	18.3	91	57-142	
Xylene (Total)	ug/L	2.9	60	58.5	93	42-130	
1,2-Dichloroethane-d4 (S)	%				94	86-125	
4-Bromofluorobenzene (S)	%				103	70-114	
Toluene-d8 (S)	%				102	87-113	

SAMPLE DUPLICATE: 764293

Parameter	Units	35114562003	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	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	0.55 I	0.53 I		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	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

SAMPLE DUPLICATE: 764293

Parameter	Units	35114562003 Result	Dup Result	RPD	Max RPD	Qualifiers
Chlorobenzene	ug/L	4.7	4.1	13	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	8.3		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.50U	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	0.77 I	0.50U		40	
1,2-Dichloroethane-d4 (S)	%	98	102	4		
4-Bromofluorobenzene (S)	%	99	98	.2		
Toluene-d8 (S)	%	105	105	.7		

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

QC Batch:	OEXT/14953	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
Associated Lab Samples:	35114562001, 35114562002, 35114562003, 35114562004, 35114562005, 35114562006, 35114562007, 35114562008, 35114562009		

METHOD BLANK:	761651	Matrix:	Water
Associated Lab Samples:	35114562001, 35114562002, 35114562003, 35114562004, 35114562005, 35114562006, 35114562007, 35114562008, 35114562009		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	11/08/13 12:41	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	11/08/13 12:41	

LABORATORY CONTROL SAMPLE: 761652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.24	96	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.23	92	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 761653 761654

Parameter	Units	35114260004 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	0.21	.44	.44	0.63	0.61	97	92	60-140	4	40	
1,2-Dibromoethane (EDB)	ug/L	0.0063 U	.44	.44	0.41	0.40	94	93	60-140	1	40	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

QC Batch:	WET/22014	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	35114562001, 35114562002, 35114562003, 35114562004, 35114562005, 35114562006, 35114562007		

METHOD BLANK:	763434	Matrix:	Water
Associated Lab Samples:	35114562001, 35114562002, 35114562003, 35114562004, 35114562005, 35114562006, 35114562007		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	11/09/13 05:20	

LABORATORY CONTROL SAMPLE: 763435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	291	97	90-110	

SAMPLE DUPLICATE: 763436

Parameter	Units	35114496004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	7120	7240	2	20	

SAMPLE DUPLICATE: 763437

Parameter	Units	35114496005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	30800	33300	8	20	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

QC Batch: WET/22015

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Associated Lab Samples: 35114562008, 35114562009

METHOD BLANK: 763438

Matrix: Water

Associated Lab Samples: 35114562008, 35114562009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	11/09/13 06:13	

LABORATORY CONTROL SAMPLE: 763439

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	287	96	90-110	

SAMPLE DUPLICATE: 763440

Parameter	Units	35114973004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	460	467	2	20	

SAMPLE DUPLICATE: 763441

Parameter	Units	35114973014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	618	570	8	20	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

QC Batch: WETA/30898 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35114562001, 35114562002, 35114562003, 35114562004, 35114562005, 35114562006, 35114562007, 35114562008, 35114562009

METHOD BLANK: 760756 Matrix: Water
Associated Lab Samples: 35114562001, 35114562002, 35114562003, 35114562004, 35114562005, 35114562006, 35114562007, 35114562008, 35114562009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	0.043U	0.050	11/07/13 00:19	J(F5)

LABORATORY CONTROL SAMPLE: 760757

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 760758 760759

Parameter	Units	35114562009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.043U	5	5	4.6	4.6	92	92	90-110	.02	20	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

QC Batch:	WETA/30899	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
Associated Lab Samples:	35114562001, 35114562002, 35114562003, 35114562004, 35114562005, 35114562006, 35114562007, 35114562008, 35114562009		

METHOD BLANK: 760762 Matrix: Water

Associated Lab Samples: 35114562001, 35114562002, 35114562003, 35114562004, 35114562005, 35114562006, 35114562007, 35114562008, 35114562009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5U	5.0	11/07/13 00:19	J(F5)
Sulfate	mg/L	2.5U	5.0	11/07/13 00:19	J(F5)

LABORATORY CONTROL SAMPLE: 760763

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.1	96	90-110	
Sulfate	mg/L	50	47.7	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 760764 760765

Parameter	Units	35114562009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	90.0	50	50	141	141	102	102	90-110	.2	20	L
Sulfate	mg/L	31.9	50	50	83.9	84.0	104	104	90-110	.1	20	

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QUALITY CONTROL DATA

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

QC Batch: WETA/30927 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35114562001, 35114562002, 35114562003, 35114562004, 35114562005, 35114562006, 35114562007, 35114562008, 35114562009

METHOD BLANK: 761342 Matrix: Water
Associated Lab Samples: 35114562001, 35114562002, 35114562003, 35114562004, 35114562005, 35114562006, 35114562007, 35114562008, 35114562009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.050	11/07/13 16:07	

LABORATORY CONTROL SAMPLE: 761343

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

MATRIX SPIKE SAMPLE: 761345

Parameter	Units	35114301001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	14.4	5	20.3	117	90-110	J(M1)

SAMPLE DUPLICATE: 761344

Parameter	Units	35114301001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	14.4	15.6	8	20	

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QUALIFIERS

Project: Tomoka Benzene Remediation
Pace Project No.: 35114562

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(F5) The recovery of the analyte in the CRDL standard (also known as the reporting limit verification) did not meet the acceptance criteria.
J(L0) Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
J(L2) Estimated Value. Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
J(M0) Estimated Value. Matrix spike recovery was outside laboratory control limits.
J(M1) Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
L Off-scale high. Actual value is known to be greater than value given.
L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35114562002	B41-1		FLD/		
35114562003	B41-1 DUP		FLD/		
35114562004	B79-1		FLD/		
35114562005	B79-6		FLD/		
35114562006	B85		FLD/		
35114562007	B45-1		FLD/		
35114562008	B45-2		FLD/		
35114562009	B43-1		FLD/		
35114562001	EQ Blank 11/05/13	EPA 8011	OEXT/14953	EPA 8011	GCSV/9908
35114562002	B41-1	EPA 8011	OEXT/14953	EPA 8011	GCSV/9908
35114562003	B41-1 DUP	EPA 8011	OEXT/14953	EPA 8011	GCSV/9908
35114562004	B79-1	EPA 8011	OEXT/14953	EPA 8011	GCSV/9908
35114562005	B79-6	EPA 8011	OEXT/14953	EPA 8011	GCSV/9908
35114562006	B85	EPA 8011	OEXT/14953	EPA 8011	GCSV/9908
35114562007	B45-1	EPA 8011	OEXT/14953	EPA 8011	GCSV/9908
35114562008	B45-2	EPA 8011	OEXT/14953	EPA 8011	GCSV/9908
35114562009	B43-1	EPA 8011	OEXT/14953	EPA 8011	GCSV/9908
35114562001	EQ Blank 11/05/13	EPA 3010	MPRP/15783	EPA 6010	ICP/9858
35114562002	B41-1	EPA 3010	MPRP/15783	EPA 6010	ICP/9858
35114562003	B41-1 DUP	EPA 3010	MPRP/15783	EPA 6010	ICP/9858
35114562004	B79-1	EPA 3010	MPRP/15783	EPA 6010	ICP/9858
35114562005	B79-6	EPA 3010	MPRP/15783	EPA 6010	ICP/9858
35114562006	B85	EPA 3010	MPRP/15783	EPA 6010	ICP/9858
35114562007	B45-1	EPA 3010	MPRP/15783	EPA 6010	ICP/9858
35114562008	B45-2	EPA 3010	MPRP/15783	EPA 6010	ICP/9858
35114562009	B43-1	EPA 3010	MPRP/15783	EPA 6010	ICP/9858
35114562001	EQ Blank 11/05/13	EPA 3010	MPRP/15784	EPA 6020	ICPM/6389
35114562002	B41-1	EPA 3010	MPRP/15784	EPA 6020	ICPM/6389
35114562003	B41-1 DUP	EPA 3010	MPRP/15784	EPA 6020	ICPM/6389
35114562004	B79-1	EPA 3010	MPRP/15784	EPA 6020	ICPM/6389
35114562005	B79-6	EPA 3010	MPRP/15784	EPA 6020	ICPM/6389
35114562006	B85	EPA 3010	MPRP/15784	EPA 6020	ICPM/6389
35114562007	B45-1	EPA 3010	MPRP/15784	EPA 6020	ICPM/6389
35114562008	B45-2	EPA 3010	MPRP/15784	EPA 6020	ICPM/6389
35114562009	B43-1	EPA 3010	MPRP/15784	EPA 6020	ICPM/6389
35114562001	EQ Blank 11/05/13	EPA 7470	MERP/4207	EPA 7470	MERC/4203
35114562002	B41-1	EPA 7470	MERP/4207	EPA 7470	MERC/4203
35114562003	B41-1 DUP	EPA 7470	MERP/4207	EPA 7470	MERC/4203
35114562004	B79-1	EPA 7470	MERP/4207	EPA 7470	MERC/4203
35114562005	B79-6	EPA 7470	MERP/4207	EPA 7470	MERC/4203
35114562006	B85	EPA 7470	MERP/4207	EPA 7470	MERC/4203
35114562007	B45-1	EPA 7470	MERP/4207	EPA 7470	MERC/4203
35114562008	B45-2	EPA 7470	MERP/4207	EPA 7470	MERC/4203
35114562009	B43-1	EPA 7470	MERP/4207	EPA 7470	MERC/4203
35114562001	EQ Blank 11/05/13	EPA 8260	MSV/10120		
35114562002	B41-1	EPA 8260	MSV/10120		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Benzene Remediation

Pace Project No.: 35114562

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35114562003	B41-1 DUP	EPA 8260	MSV/10131		
35114562004	B79-1	EPA 8260	MSV/10131		
35114562005	B79-6	EPA 8260	MSV/10131		
35114562006	B85	EPA 8260	MSV/10131		
35114562007	B45-1	EPA 8260	MSV/10131		
35114562008	B45-2	EPA 8260	MSV/10131		
35114562009	B43-1	EPA 8260	MSV/10131		
35114562010	Trip Blanks-11/05/13	EPA 8260	MSV/10131		
35114562001	EQ Blank 11/05/13	SM 2540C	WET/22014		
35114562002	B41-1	SM 2540C	WET/22014		
35114562003	B41-1 DUP	SM 2540C	WET/22014		
35114562004	B79-1	SM 2540C	WET/22014		
35114562005	B79-6	SM 2540C	WET/22014		
35114562006	B85	SM 2540C	WET/22014		
35114562007	B45-1	SM 2540C	WET/22014		
35114562008	B45-2	SM 2540C	WET/22015		
35114562009	B43-1	SM 2540C	WET/22015		
35114562001	EQ Blank 11/05/13	EPA 300.0	WETA/30898		
35114562002	B41-1	EPA 300.0	WETA/30898		
35114562003	B41-1 DUP	EPA 300.0	WETA/30898		
35114562004	B79-1	EPA 300.0	WETA/30898		
35114562005	B79-6	EPA 300.0	WETA/30898		
35114562006	B85	EPA 300.0	WETA/30898		
35114562007	B45-1	EPA 300.0	WETA/30898		
35114562008	B45-2	EPA 300.0	WETA/30898		
35114562009	B43-1	EPA 300.0	WETA/30898		
35114562001	EQ Blank 11/05/13	EPA 300.0	WETA/30899		
35114562002	B41-1	EPA 300.0	WETA/30899		
35114562003	B41-1 DUP	EPA 300.0	WETA/30899		
35114562004	B79-1	EPA 300.0	WETA/30899		
35114562005	B79-6	EPA 300.0	WETA/30899		
35114562006	B85	EPA 300.0	WETA/30899		
35114562007	B45-1	EPA 300.0	WETA/30899		
35114562008	B45-2	EPA 300.0	WETA/30899		
35114562009	B43-1	EPA 300.0	WETA/30899		
35114562001	EQ Blank 11/05/13	EPA 350.1	WETA/30927		
35114562002	B41-1	EPA 350.1	WETA/30927		
35114562003	B41-1 DUP	EPA 350.1	WETA/30927		
35114562004	B79-1	EPA 350.1	WETA/30927		
35114562005	B79-6	EPA 350.1	WETA/30927		
35114562006	B85	EPA 350.1	WETA/30927		
35114562007	B45-1	EPA 350.1	WETA/30927		
35114562008	B45-2	EPA 350.1	WETA/30927		
35114562009	B43-1	EPA 350.1	WETA/30927		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

WO# 35114562



35114562

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section C

Invoice Information:

Attention:

Company Name:

Address:

Phone:

Reference:

Project Manager:

Project Profile #:

Project Name:

Project Number:

Requested Due Date/TAT:

Report To:

Copy To:

Purchase Order No.:

Project Name:

Project Number:

Requested Analysis Filtered (Y/N)

Site Location

STATE:

REGULATORY AGENCY

NPDES ☒ GROUND WATER ☐ DRINKING WATER

UST ☐ RCRA ☐ OTHER ☐

Page: 1 of 1

1759477

Section D Required Client Information		Matrix Codes MATRIX / CODE		COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)		MATRIX CODE (see valid codes to left)		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS			
ITEM #	Sample ID (A-Z, 0-9 / -)	Drinking Water DW	Water WT	Waste Water WW	Product P	Soil/Solid SL	Oil OL	Wipe WP	Air AR	Tissue TS	Other OT	COMPOSITE START	COMPOSITE END/GRAB	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
1	BQ													11-5-13	0912										
2	B41-1													11-5-13	0949										
3	DUP													11-5-13	1050										
4	B79-1													11-5-13	1138										
5	B79-6													11-5-13	1220										
6	B85													11-5-13	1308										
7	B415-1													11-5-13	1336										
8	B415-2													11-5-13	1425										
9	B415-3													11-5-13	1540										
10	B415-4													11-5-13	1540										
11	TRIP BLANKS																								
12																									

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: VOLUSIA COUNTY		SITE LOCATION: TOMOLLA LAND FILL	
WELL NO: EQ	SAMPLE ID: EQ	DATE: 11-5-13	

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)

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: VOLusia COUNTY		SITE LOCATION: TOMOKA LAND FILL	
WELL NO: B41-1 / Dup	SAMPLE ID:	DATE: PP	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MILWAUKEE COUNTY				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: 0939		SAMPLING ENDED AT: 0949	
PUMP OR TUBING DEPTH IN WELL (feet): 12				TUBING MATERIAL CODE: PE-5			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION: PUMP N TUBING X N (replaced)						DUPLICATE: Y N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
REMARKS: ORP -105.1 ORP -103.7 ORP -101.4										
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 = 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: $\pm 0.2^\circ\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: VOLUSIA COUNTY		SITE LOCATION: TOMOKA LAND FILL	
WELL NO: B 79-6		SAMPLE ID:	DATE: 11-5-13

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:						SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:	
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FILTRATION EQUIPMENT TYPE:	FIELD-FILTERED:	N	FILTER SIZE:				
MARK GILBERT 11	PCS	(N)	Y	(N)					
FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced)							Duplicate: Y (N)		
Sample Container Specification				Sample Preservation			Intended Analysis And/OR Method	Sampling Equipment Code	Sample Pump Flow Rate (mL per minute)
Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Total Vol Added In Field (mL)	Final pH			
REMARKS: DRP-65.70RD - 70.9ORP-67.1									
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 = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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



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: Volusia County		SITE LOCATION: TOMOKA LAND FILL	
WELL NO: B45-1	SAMPLE ID:	DATE: 11-5-13	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.85	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = 37.08 feet - 6.85 feet X 0.16 gallons/foot = 4.8368 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 1230	PURGING ENDED AT: 1309	TOTAL VOLUME PURGED (gallons): 6.00							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1258	5.00	5.00	0.25	8.35	5.57	23.19	1602	0.60	0.18	yellow	surface
1300	0.50	5.50	↓	↓	5.57	23.07	1601	0.56	0.05	↓	↓
1302	0.50	6.00	↓	↓	5.62	23.12	1591	0.50	0.02	↓	↓
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: Mark Gilbert		SAMPLER(S) SIGNATURE(S): <i>Mark Gilbert</i>		SAMPLING INITIATED AT: 1302	SAMPLING ENDED AT: 1308				
PUMP OR TUBING DEPTH IN WELL (feet): 10		TUBING MATERIAL CODE: PE, S		FIELD-FILTERED: Y <input checked="" type="radio"/> N <input checked="" type="radio"/>	FILTER SIZE: _____ µm				
FIELD DECONTAMINATION: PUMP <input checked="" type="radio"/> N <input type="radio"/> TUBING <input checked="" type="radio"/> N (replaced)		DUPLICATE: Y <input checked="" type="radio"/> N <input type="radio"/>							
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
REMARKS: OLP-61.7 ORP-62.3 ORP-64.5									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = 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: VOWSIA COUNTY		SITE LOCATION: TOMJKA LAND FILL	
WELL NO: B 45-2		SAMPLE ID:	DATE: 11-9-13

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	6.95	PURGE PUMP TYPE OR BAILER:	PP
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DIAMETER (Inches): _____ **DIAMETER (Inches):** _____

WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH) (CIRCULAR WELL CROSS-SECTIONAL AREA) (2.31 ft/H₂O)
(only fill out if applicable) 17.60 feet \times 6.95 feet \times 0.16 gallons/foot = 19.104 gallons

$$\text{PUMP VOLUME} = \text{PUMP VOLUME} + (\text{TUBING CAPACITY} \times \text{TUBING LENGTH}) + \text{FLOW CELL VOLUME}$$

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME x (FEET/INCHES) (only fill out if applicable)

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 1310	PURGING ENDED AT: 1330	TOTAL VOLUME PURGED (gallons): 2.20
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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: MARK GILBERT	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1330	SAMPLING ENDED AT: 1336
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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: C	FILTER SIZE: _____ µm
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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
------------------------	------	------------------------------------	-------------------------	--------	------------------------------------	------------------------------------	------------	-------------------------	------------------------------------

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

[illegible][illegible][illegible][illegible][illegible]

REMARKS:

REMARKS: ORP-47.5 ORP-47.1 ORP-46.7 ORP-46.3

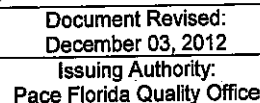
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)


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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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



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

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: Volusia County Solid Waste Project # 35114562

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

☐ Other _____

Tracking # _____

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

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

Thermometer Used T 166 Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temperature °C 9.1 (Visual) -0.1 (Correction Factor) 9.0 (Actual)

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

☐ Yes ☐ No

Project Temp by Rebecca S. Miller
MARK GILBERT mg

Receipt of samples satisfactory: ☐ Yes ☐ No

Rush TAT requested on COC: _____

If yes, then all conditions below were met:

If no, then mark box & describe issue (use comments area if necessary):

Chain of Custody Present	<input type="checkbox"/>
Chain of Custody Filled Out	<input type="checkbox"/>
Relinquished Signature & Sampler Name COC	<input type="checkbox"/>
Samples Arrived within Hold Time	<input type="checkbox"/>
Sufficient Volume	<input type="checkbox"/>
Correct Containers Used	<input type="checkbox"/>
Containers Intact	<input type="checkbox"/>
Sample Labels match COC (sample IDs & date/time of collection)	<input type="checkbox"/>
No Labels: <input type="checkbox"/> No Time/Date on Labels: <input type="checkbox"/>	
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/>
No Headspace in VOA Vials (>8mm):	<input type="checkbox"/>

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments):

Sample B41-1: COC collect time 0949. Container collect time 0939. Logged using COC.
" DVP: " " 0949. " " " 0939. " " "
" B79-1: " " 1050. " " " 1044. " " "
Sample B45-3: COC ID says B45-3. Containers say B41-3. Logged using COC.

Project Manager Review: _____

Date: _____

Finished Product Information Only	
F.P. Sample ID: _____	Size & Qty of Bottles Received
Production Code: _____	_____ x 5 Gal
Date/Time Opened: _____	_____ x 2.8 Gal
Number of Unopened Bottles Remaining: _____	_____ x 1 Gal
	_____ x 1 Liter
	_____ x 500 mL
	_____ x 250 mL
	_____ x Other: _____
Extra Sample in Shed: Yes No	