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

May 29, 2013

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

RE: Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Dear Ms. Stirk:
Enclosed are the analytical results for sample(s) received by the laboratory on May 17, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Jeff Baylor

Jeff Baylor

jeff.baylor@pacelabs.com
Project Manager

Enclosures

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

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CERTIFICATIONS

Project:	Tomoka LF Benzene Remediation
Pace Project No.:	3593644

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3593644001	**EQ Blank 5/17/13**	Water	05/17/13 08:40	05/17/13 16:11
3593644002	**B41-1**	Water	05/17/13 09:33	05/17/13 16:11
3593644003	**B41-1 DUP**	Water	05/17/13 09:33	05/17/13 16:11
3593644004	**B43-1**	Water	05/17/13 10:43	05/17/13 16:11
3593644005	**B82-1**	Water	05/17/13 11:40	05/17/13 16:11
3593644006	**B86**	Water	05/17/13 13:32	05/17/13 16:11
3593644007	**B81-4**	Water	05/17/13 14:14	05/17/13 16:11
3593644008	**B79-1**	Water	05/17/13 15:02	05/17/13 16:11
3593644009	**TRIP BLANK 5/17/13**	Water	05/17/13 08:00	05/17/13 16:11

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3593644001	**EQ Blank 5/17/13**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	PASI-O
		SM 2540C	JNZ	1	PASI-O
		EPA 300.0	AIS	1	PASI-O
		EPA 300.0	KHC	2	PASI-O
		EPA 350.1	SOA	1	PASI-O
3593644002	**B41-1**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	PASI-O
		SM 2540C	JNZ	1	PASI-O
		EPA 300.0	AIS	1	PASI-O
		EPA 300.0	AIS, KHC	2	PASI-O
		EPA 350.1	SOA	1	PASI-O
3593644003	**B41-1 DUP**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	PASI-O
		SM 2540C	JNZ	1	PASI-O
		EPA 300.0	AIS	1	PASI-O
		EPA 300.0	AIS, KHC	2	PASI-O
		EPA 350.1	SOA	1	PASI-O
3593644004	**B43-1**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	PASI-O
		SM 2540C	JNZ	1	PASI-O
		EPA 300.0	AIS	1	PASI-O
		EPA 300.0	KHC	2	PASI-O
		EPA 350.1	SOA	1	PASI-O
3593644005	**B82-1**	EPA 8011	JLR	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	PASI-O
		SM 2540C	JNZ	1	PASI-O
		EPA 300.0	AIS	1	PASI-O
		EPA 300.0	KHC	2	PASI-O
		EPA 350.1	SOA	1	PASI-O
3593644006	**B86**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	PASI-O
		SM 2540C	JNZ	1	PASI-O
		EPA 300.0	AIS	1	PASI-O
		EPA 300.0	AIS, KHC	2	PASI-O
		EPA 350.1	SOA	1	PASI-O
3593644007	**B81-4**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	PASI-O
		SM 2540C	JNZ	1	PASI-O
		EPA 300.0	AIS	1	PASI-O
		EPA 300.0	AIS, KHC	2	PASI-O
		EPA 350.1	SOA	1	PASI-O
3593644008	**B79-1**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8260	SK	49	PASI-O
		SM 2540C	JNZ	1	PASI-O
		EPA 300.0	AIS	1	PASI-O
		EPA 300.0	AIS	2	PASI-O
		EPA 350.1	SOA	1	PASI-O
3593644009	**TRIP BLANK 5/17/13**	EPA 8260	SK	51	PASI-O

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: EQ Blank 5/17/13 **Lab ID: 3593644001** Collected: 05/17/13 08:40 Received: 05/17/13 16:11 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	**0.0051U**	ug/L	0.021	0.0051	1	05/22/13 17:48	05/23/13 04:52	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065U**	ug/L	0.010	0.0065	1	05/22/13 17:48	05/23/13 04:52	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 19:42	7440-38-2	
Barium	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 19:42	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/18/13 19:42	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/18/13 19:42	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 19:42	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 19:42	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 19:42	7440-50-8	
Iron	**20.0U**	ug/L	40.0	20.0	1	05/18/13 06:42	05/18/13 19:42	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 19:42	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 19:42	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/18/13 06:42	05/18/13 19:42	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 19:42	7440-22-4	
Sodium	**0.50U**	mg/L	1.0	0.50	1	05/18/13 06:42	05/18/13 19:42	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 19:42	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/18/13 06:42	05/18/13 19:42	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/22/13 18:39	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/22/13 18:39	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/22/13 08:47	05/23/13 09:44	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		05/23/13 23:10	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/23/13 23:10	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/23/13 23:10	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/23/13 23:10	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/23/13 23:10	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/23/13 23:10	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/23/13 23:10	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/23/13 23:10	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	95-50-1	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: EQ Blank 5/17/13 **Lab ID: 3593644001** Collected: 05/17/13 08:40 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/23/13 23:10	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/23/13 23:10	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/23/13 23:10	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/23/13 23:10	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/23/13 23:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/23/13 23:10	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/23/13 23:10	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/23/13 23:10	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/23/13 23:10	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/23/13 23:10	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-114		1		05/23/13 23:10	460-00-4	
Dibromofluoromethane (S)	100	%	88-117		1		05/23/13 23:10	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	86-125		1		05/23/13 23:10	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		05/23/13 23:10	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**5.0U**	mg/L	5.0	5.0	1		05/24/13 12:09		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.025U**	mg/L	0.050	0.025	1		05/18/13 14:15	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**2.5U**	mg/L	5.0	2.5	1		05/25/13 22:52	16887-00-6	
Sulfate	**2.5U**	mg/L	5.0	2.5	1		05/25/13 22:52	14808-79-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: EQ Blank 5/17/13 **Lab ID: 3593644001** Collected: 05/17/13 08:40 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020U**	mg/L	0.050	0.020	1		05/21/13 11:36	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B41-1 **Lab ID: 3593644002** Collected: 05/17/13 09:33 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.04**	Std. Units			1		05/17/13 09:33		
Field Temperature	**22.84**	deg C			1		05/17/13 09:33		
Appearance	**Color: none, Sheen: none**				1		05/17/13 09:33		
Field Specific Conductance	**2420**	umhos/cm			1		05/17/13 09:33		
Oxygen, Dissolved	**0.34**	mg/L			1		05/17/13 09:33	7782-44-7	
REDOX	**-95.5**	mV			1		05/17/13 09:33		
Turbidity	**3.75**	NTU			1		05/17/13 09:33		
Water Level(NGVD)	**15.56**	feet			1		05/17/13 09:33		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049U**	ug/L	0.020	0.0049	1	05/22/13 17:48	05/23/13 05:07	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062U**	ug/L	0.010	0.0062	1	05/22/13 17:48	05/23/13 05:07	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 19:46	7440-38-2	
Barium	**308**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 19:46	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/18/13 19:46	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/18/13 19:46	7440-43-9	
Chromium	**6.4**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 19:46	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 19:46	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 19:46	7440-50-8	
Iron	**22200**	ug/L	40.0	20.0	1	05/18/13 06:42	05/18/13 19:46	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 19:46	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 19:46	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/18/13 06:42	05/18/13 19:46	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 19:46	7440-22-4	
Sodium	**163**	mg/L	1.0	0.50	1	05/18/13 06:42	05/18/13 19:46	7440-23-5	
Vanadium	**9.9 I**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 19:46	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/18/13 06:42	05/18/13 19:46	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/22/13 18:49	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/22/13 18:49	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/22/13 08:47	05/23/13 09:50	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		05/24/13 01:12	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/24/13 01:12	107-13-1	
Benzene	**0.13 I**	ug/L	1.0	0.10	1		05/24/13 01:12	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/24/13 01:12	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B41-1 **Lab ID: 3593644002** Collected: 05/17/13 09:33 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/24/13 01:12	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/24/13 01:12	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	56-23-5	
Chlorobenzene	**2.1**	ug/L	1.0	0.50	1		05/24/13 01:12	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/24/13 01:12	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/24/13 01:12	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/24/13 01:12	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/24/13 01:12	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/24/13 01:12	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/24/13 01:12	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/24/13 01:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/24/13 01:12	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/24/13 01:12	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/24/13 01:12	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/24/13 01:12	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:12	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-114		1		05/24/13 01:12	460-00-4	
Dibromofluoromethane (S)	99	%	88-117		1		05/24/13 01:12	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	86-125		1		05/24/13 01:12	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		05/24/13 01:12	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B41-1 **Lab ID: 3593644002** Collected: 05/17/13 09:33 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1210**	mg/L	10.0	10.0	1		05/24/13 12:09		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.25U**	mg/L	0.50	0.25	10		05/18/13 14:27	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**170**	mg/L	50.0	25.0	10		05/18/13 14:27	16887-00-6	
Sulfate	**7.0**	mg/L	5.0	2.5	1		05/25/13 23:12	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**77.8**	mg/L	0.50	0.20	10		05/21/13 14:20	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B41-1 DUP **Lab ID: 3593644003** Collected: 05/17/13 09:33 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.04**	Std. Units			1		05/17/13 09:33		
Field Temperature	**22.84**	deg C			1		05/17/13 09:33		
Appearance	**Color: none, Sheen: none**				1		05/17/13 09:33		
Field Specific Conductance	**2420**	umhos/cm			1		05/17/13 09:33		
Oxygen, Dissolved	**0.34**	mg/L			1		05/17/13 09:33	7782-44-7	
REDOX	**-95.5**	mV			1		05/17/13 09:33		
Turbidity	**3.75**	NTU			1		05/17/13 09:33		
Water Level(NGVD)	**15.56**	feet			1		05/17/13 09:33		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051U**	ug/L	0.021	0.0051	1	05/22/13 17:48	05/23/13 05:52	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065U**	ug/L	0.010	0.0065	1	05/22/13 17:48	05/23/13 05:52	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 19:50	7440-38-2	
Barium	**319**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 19:50	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/18/13 19:50	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/18/13 19:50	7440-43-9	
Chromium	**6.8**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 19:50	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 19:50	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 19:50	7440-50-8	
Iron	**23200**	ug/L	40.0	20.0	1	05/18/13 06:42	05/18/13 19:50	7439-89-6	J(M1)
Lead	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 19:50	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 19:50	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/18/13 06:42	05/18/13 19:50	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 19:50	7440-22-4	
Sodium	**169**	mg/L	1.0	0.50	1	05/18/13 06:42	05/18/13 19:50	7440-23-5	J(M1)
Vanadium	**10.4**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 19:50	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/18/13 06:42	05/18/13 19:50	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/22/13 18:51	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/22/13 18:51	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/22/13 08:47	05/23/13 09:52	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		05/24/13 01:36	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/24/13 01:36	107-13-1	
Benzene	**0.74 I**	ug/L	1.0	0.10	1		05/24/13 01:36	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/24/13 01:36	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B41-1 DUP **Lab ID: 3593644003** Collected: 05/17/13 09:33 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/24/13 01:36	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/24/13 01:36	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	56-23-5	
Chlorobenzene	**4.9**	ug/L	1.0	0.50	1		05/24/13 01:36	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/24/13 01:36	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/24/13 01:36	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/24/13 01:36	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/24/13 01:36	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/24/13 01:36	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/24/13 01:36	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/24/13 01:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/24/13 01:36	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/24/13 01:36	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/24/13 01:36	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/24/13 01:36	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/24/13 01:36	75-01-4	
Xylene (Total)	**1.0**	ug/L	1.0	0.50	1		05/24/13 01:36	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-114		1		05/24/13 01:36	460-00-4	
Dibromofluoromethane (S)	100	%	88-117		1		05/24/13 01:36	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	86-125		1		05/24/13 01:36	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		05/24/13 01:36	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B41-1 DUP **Lab ID: 3593644003** Collected: 05/17/13 09:33 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1230**	mg/L	10.0	10.0	1		05/24/13 12:09		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.25U**	mg/L	0.50	0.25	10		05/18/13 14:39	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**171**	mg/L	50.0	25.0	10		05/18/13 14:39	16887-00-6	
Sulfate	**7.0**	mg/L	5.0	2.5	1		05/25/13 23:33	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**77.9**	mg/L	0.50	0.20	10		05/21/13 14:23	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B43-1 **Lab ID: 3593644004** Collected: 05/17/13 10:43 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.73**	Std. Units			1		05/17/13 10:43		
Field Temperature	**21.86**	deg C			1		05/17/13 10:43		
Appearance	**Color: none, Sheen: none**				1		05/17/13 10:43		
Field Specific Conductance	**777**	umhos/cm			1		05/17/13 10:43		
Oxygen, Dissolved	**0.53**	mg/L			1		05/17/13 10:43	7782-44-7	
REDOX	**-48.9**	mV			1		05/17/13 10:43		
Turbidity	**1.76**	NTU			1		05/17/13 10:43		
Water Level(NGVD)	**20.45**	feet			1		05/17/13 10:43		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050U**	ug/L	0.020	0.0050	1	05/22/13 17:48	05/23/13 06:22	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063U**	ug/L	0.010	0.0063	1	05/22/13 17:48	05/23/13 06:22	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:00	7440-38-2	
Barium	**138**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:00	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/18/13 20:00	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/18/13 20:00	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:00	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:00	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:00	7440-50-8	
Iron	**20700**	ug/L	40.0	20.0	1	05/18/13 06:42	05/18/13 20:00	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:00	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:00	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/18/13 06:42	05/18/13 20:00	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:00	7440-22-4	
Sodium	**83.4**	mg/L	1.0	0.50	1	05/18/13 06:42	05/18/13 20:00	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:00	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/18/13 06:42	05/18/13 20:00	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/22/13 18:54	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/22/13 18:54	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/22/13 08:47	05/23/13 09:54	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		05/24/13 02:00	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/24/13 02:00	107-13-1	
Benzene	**0.37 I**	ug/L	1.0	0.10	1		05/24/13 02:00	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/24/13 02:00	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B43-1 **Lab ID: 3593644004** Collected: 05/17/13 10:43 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/24/13 02:00	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/24/13 02:00	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	56-23-5	
Chlorobenzene	**2.0**	ug/L	1.0	0.50	1		05/24/13 02:00	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/24/13 02:00	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/24/13 02:00	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/24/13 02:00	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/24/13 02:00	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/24/13 02:00	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/24/13 02:00	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/24/13 02:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/24/13 02:00	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/24/13 02:00	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/24/13 02:00	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/24/13 02:00	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:00	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-114		1		05/24/13 02:00	460-00-4	
Dibromofluoromethane (S)	101	%	88-117		1		05/24/13 02:00	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	86-125		1		05/24/13 02:00	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		05/24/13 02:00	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B43-1 **Lab ID: 3593644004** Collected: 05/17/13 10:43 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**415**	mg/L	5.0	5.0	1		05/24/13 12:10		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.025U**	mg/L	0.050	0.025	1		05/18/13 14:51	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**77.9**	mg/L	5.0	2.5	1		05/25/13 23:53	16887-00-6	L
Sulfate	**32.8**	mg/L	5.0	2.5	1		05/25/13 23:53	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**1.8**	mg/L	0.050	0.020	1		05/21/13 11:39	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B82-1 **Lab ID: 3593644005** Collected: 05/17/13 11:40 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.98**	Std. Units			1		05/17/13 11:40		
Field Temperature	**24.28**	deg C			1		05/17/13 11:40		
Appearance	**Color: none, Sheen: none**				1		05/17/13 11:40		
Field Specific Conductance	**402**	umhos/cm			1		05/17/13 11:40		
Oxygen, Dissolved	**0.49**	mg/L			1		05/17/13 11:40	7782-44-7	
REDOX	**-52.0**	mV			1		05/17/13 11:40		
Turbidity	**1.38**	NTU			1		05/17/13 11:40		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050U**	ug/L	0.021	0.0050	1	05/22/13 17:48	05/23/13 06:37	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064U**	ug/L	0.010	0.0064	1	05/22/13 17:48	05/23/13 06:37	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:04	7440-38-2	
Barium	**35.0**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:04	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/18/13 20:04	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/18/13 20:04	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:04	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:04	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:04	7440-50-8	
Iron	**9160**	ug/L	40.0	20.0	1	05/18/13 06:42	05/18/13 20:04	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:04	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:04	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/18/13 06:42	05/18/13 20:04	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:04	7440-22-4	
Sodium	**15.3**	mg/L	1.0	0.50	1	05/18/13 06:42	05/18/13 20:04	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:04	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/18/13 06:42	05/18/13 20:04	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/22/13 19:01	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/22/13 19:01	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/22/13 08:47	05/23/13 10:05	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		05/24/13 02:49	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/24/13 02:49	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/24/13 02:49	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/24/13 02:49	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	75-25-2	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B82-1 **Lab ID: 3593644005** Collected: 05/17/13 11:40 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/24/13 02:49	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/24/13 02:49	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/24/13 02:49	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/24/13 02:49	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/24/13 02:49	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/24/13 02:49	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/24/13 02:49	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/24/13 02:49	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/24/13 02:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/24/13 02:49	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/24/13 02:49	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/24/13 02:49	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/24/13 02:49	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/24/13 02:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-114		1		05/24/13 02:49	460-00-4	
Dibromofluoromethane (S)	99	%	88-117		1		05/24/13 02:49	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	86-125		1		05/24/13 02:49	17060-07-0	
Toluene-d8 (S)	98	%	87-113		1		05/24/13 02:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B82-1 **Lab ID: 3593644005** Collected: 05/17/13 11:40 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**250**	mg/L	5.0	5.0	1		05/24/13 12:10		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.16**	mg/L	0.050	0.025	1		05/18/13 15:28	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**31.2**	mg/L	5.0	2.5	1		05/26/13 00:54	16887-00-6	
Sulfate	**24.6**	mg/L	5.0	2.5	1		05/26/13 00:54	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.070**	mg/L	0.050	0.020	1		05/21/13 11:40	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B86 **Lab ID: 3593644006** Collected: 05/17/13 13:32 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.08**	Std. Units			1		05/17/13 13:32		
Field Temperature	**22.11**	deg C			1		05/17/13 13:32		
Appearance	**Color: none, Sheen: none**				1		05/17/13 13:32		
Field Specific Conductance	**2459**	umhos/cm			1		05/17/13 13:32		
Oxygen, Dissolved	**0.21**	mg/L			1		05/17/13 13:32	7782-44-7	
REDOX	**-112.7**	mV			1		05/17/13 13:32		
Turbidity	**17.4**	NTU			1		05/17/13 13:32		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051U**	ug/L	0.021	0.0051	1	05/22/13 17:48	05/23/13 06:52	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064U**	ug/L	0.010	0.0064	1	05/22/13 17:48	05/23/13 06:52	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:18	7440-38-2	
Barium	**178**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:18	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/18/13 20:18	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/18/13 20:18	7440-43-9	
Chromium	**3.6 I**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:18	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:18	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:18	7440-50-8	
Iron	**21300**	ug/L	40.0	20.0	1	05/18/13 06:42	05/18/13 20:18	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:18	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:18	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/18/13 06:42	05/18/13 20:18	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:18	7440-22-4	
Sodium	**207**	mg/L	1.0	0.50	1	05/18/13 06:42	05/18/13 20:18	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:18	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/18/13 06:42	05/18/13 20:18	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/22/13 19:09	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/22/13 19:09	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/22/13 08:47	05/23/13 10:07	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		05/24/13 03:13	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/24/13 03:13	107-13-1	
Benzene	**12.9**	ug/L	1.0	0.10	1		05/24/13 03:13	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/24/13 03:13	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	75-25-2	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B86 **Lab ID: 3593644006** Collected: 05/17/13 13:32 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/24/13 03:13	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/24/13 03:13	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	56-23-5	
Chlorobenzene	**9.6**	ug/L	1.0	0.50	1		05/24/13 03:13	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/24/13 03:13	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/24/13 03:13	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/24/13 03:13	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/24/13 03:13	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/24/13 03:13	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/24/13 03:13	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/24/13 03:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/24/13 03:13	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/24/13 03:13	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/24/13 03:13	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/24/13 03:13	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:13	75-01-4	
Xylene (Total)	**1.3**	ug/L	1.0	0.50	1		05/24/13 03:13	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-114		1		05/24/13 03:13	460-00-4	
Dibromofluoromethane (S)	98	%	88-117		1		05/24/13 03:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	86-125		1		05/24/13 03:13	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		05/24/13 03:13	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B86 **Lab ID: 3593644006** Collected: 05/17/13 13:32 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1490**	mg/L	10.0	10.0	1		05/24/13 12:11		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.25U**	mg/L	0.50	0.25	10		05/18/13 15:40	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**178**	mg/L	50.0	25.0	10		05/18/13 15:40	16887-00-6	
Sulfate	**2.5U**	mg/L	5.0	2.5	1		05/26/13 01:15	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.10**	mg/L	0.050	0.020	1		05/21/13 11:43	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B81-4 **Lab ID: 3593644007** Collected: 05/17/13 14:14 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.96**	Std. Units			1		05/17/13 14:14		
Field Temperature	**21.72**	deg C			1		05/17/13 14:14		
Appearance	**Color: none, Sheen: none**				1		05/17/13 14:14		
Field Specific Conductance	**945**	umhos/cm			1		05/17/13 14:14		
Oxygen, Dissolved	**0.28**	mg/L			1		05/17/13 14:14	7782-44-7	
REDOX	**-56.1**	mV			1		05/17/13 14:14		
Turbidity	**10.01**	NTU			1		05/17/13 14:14		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052U**	ug/L	0.021	0.0052	1	05/22/13 17:48	05/23/13 07:07	96-12-8	
1,2-Dibromoethane (EDB)	**0.0066U**	ug/L	0.011	0.0066	1	05/22/13 17:48	05/23/13 07:07	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:21	7440-38-2	
Barium	**86.1**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:21	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/18/13 20:21	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/18/13 20:21	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:21	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:21	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:21	7440-50-8	
Iron	**13400**	ug/L	40.0	20.0	1	05/18/13 06:42	05/18/13 20:21	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:21	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:21	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/18/13 06:42	05/18/13 20:21	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:21	7440-22-4	
Sodium	**87.7**	mg/L	1.0	0.50	1	05/18/13 06:42	05/18/13 20:21	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:21	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/18/13 06:42	05/18/13 20:21	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/22/13 19:12	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/22/13 19:12	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/22/13 08:47	05/23/13 10:09	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		05/24/13 03:38	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/24/13 03:38	107-13-1	
Benzene	**1.9**	ug/L	1.0	0.10	1		05/24/13 03:38	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/24/13 03:38	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	75-25-2	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B81-4 **Lab ID: 3593644007** Collected: 05/17/13 14:14 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/24/13 03:38	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/24/13 03:38	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	56-23-5	
Chlorobenzene	**1.3**	ug/L	1.0	0.50	1		05/24/13 03:38	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/24/13 03:38	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/24/13 03:38	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/24/13 03:38	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/24/13 03:38	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/24/13 03:38	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/24/13 03:38	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/24/13 03:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/24/13 03:38	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/24/13 03:38	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/24/13 03:38	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/24/13 03:38	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/24/13 03:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-114		1		05/24/13 03:38	460-00-4	
Dibromofluoromethane (S)	99	%	88-117		1		05/24/13 03:38	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	86-125		1		05/24/13 03:38	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		05/24/13 03:38	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B81-4 **Lab ID: 3593644007** Collected: 05/17/13 14:14 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**556**	mg/L	5.0	5.0	1		05/24/13 12:11		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.050U**	mg/L	0.10	0.050	2		05/18/13 15:52	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**105**	mg/L	10.0	5.0	2		05/18/13 15:52	16887-00-6	
Sulfate	**2.5U**	mg/L	5.0	2.5	1		05/26/13 01:35	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.089**	mg/L	0.050	0.020	1		05/21/13 11:44	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B79-1 **Lab ID: 3593644008** Collected: 05/17/13 15:02 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.96**	Std. Units			1		05/17/13 15:02		
Field Temperature	**22.22**	deg C			1		05/17/13 15:02		
Appearance	**Color: none, Sheen: none**				1		05/17/13 15:02		
Field Specific Conductance	**3126**	umhos/cm			1		05/17/13 15:02		
Oxygen, Dissolved	**0.26**	mg/L			1		05/17/13 15:02	7782-44-7	
REDOX	**-70.5**	mV			1		05/17/13 15:02		
Turbidity	**2.53**	NTU			1		05/17/13 15:02		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0053U**	ug/L	0.022	0.0053	1	05/22/13 17:48	05/23/13 07:22	96-12-8	
1,2-Dibromoethane (EDB)	**0.0067U**	ug/L	0.011	0.0067	1	05/22/13 17:48	05/23/13 07:22	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:25	7440-38-2	
Barium	**139**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:25	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/18/13 20:25	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/18/13 20:25	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:25	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:25	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:25	7440-50-8	
Iron	**22600**	ug/L	40.0	20.0	1	05/18/13 06:42	05/18/13 20:25	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:25	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:25	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/18/13 06:42	05/18/13 20:25	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/18/13 06:42	05/18/13 20:25	7440-22-4	
Sodium	**301**	mg/L	1.0	0.50	1	05/18/13 06:42	05/18/13 20:25	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/18/13 06:42	05/18/13 20:25	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/18/13 06:42	05/18/13 20:25	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/22/13 19:14	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/18/13 06:42	05/22/13 19:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/22/13 08:47	05/23/13 10:11	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**6.3 I**	ug/L	10.0	5.0	1		05/24/13 04:02	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/24/13 04:02	107-13-1	
Benzene	**9.4**	ug/L	1.0	0.10	1		05/24/13 04:02	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/24/13 04:02	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	75-25-2	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B79-1 **Lab ID: 3593644008** Collected: 05/17/13 15:02 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/24/13 04:02	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/24/13 04:02	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	56-23-5	
Chlorobenzene	**8.3**	ug/L	1.0	0.50	1		05/24/13 04:02	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/24/13 04:02	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/24/13 04:02	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	95-50-1	
1,4-Dichlorobenzene	**0.50 I**	ug/L	1.0	0.50	1		05/24/13 04:02	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/24/13 04:02	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/24/13 04:02	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/24/13 04:02	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/24/13 04:02	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/24/13 04:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/24/13 04:02	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/24/13 04:02	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	127-18-4	
Toluene	**0.56 I**	ug/L	1.0	0.50	1		05/24/13 04:02	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/24/13 04:02	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/24/13 04:02	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/24/13 04:02	75-01-4	
Xylene (Total)	**3.7**	ug/L	1.0	0.50	1		05/24/13 04:02	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-114		1		05/24/13 04:02	460-00-4	
Dibromofluoromethane (S)	100	%	88-117		1		05/24/13 04:02	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	86-125		1		05/24/13 04:02	17060-07-0	
Toluene-d8 (S)	98	%	87-113		1		05/24/13 04:02	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: B79-1 **Lab ID: 3593644008** Collected: 05/17/13 15:02 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1730**	mg/L	20.0	20.0	1		05/24/13 12:11		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.025U**	mg/L	0.050	0.025	1		05/18/13 17:05	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**81.8**	mg/L	5.0	2.5	1		05/18/13 17:05	16887-00-6	
Sulfate	**2.5U**	mg/L	5.0	2.5	1		05/18/13 17:05	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**48.1**	mg/L	0.25	0.10	5		05/21/13 14:24	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: TRIP BLANK 5/17/13 **Lab ID: 3593644009** Collected: 05/17/13 08:00 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		05/24/13 23:42	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/24/13 23:42	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/24/13 23:42	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/24/13 23:42	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/24/13 23:42	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/24/13 23:42	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/24/13 23:42	74-87-3	
1,2-Dibromo-3-chloropropane	**1.0U**	ug/L	2.0	1.0	1		05/24/13 23:42	96-12-8	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/24/13 23:42	124-48-1	
1,2-Dibromoethane (EDB)	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	106-93-4	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/24/13 23:42	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/24/13 23:42	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/24/13 23:42	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/24/13 23:42	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/24/13 23:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/24/13 23:42	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/24/13 23:42	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		05/24/13 23:42	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/24/13 23:42	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	75-01-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Sample: TRIP BLANK 5/17/13 **Lab ID: 3593644009** Collected: 05/17/13 08:00 Received: 05/17/13 16:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/24/13 23:42	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-114		1		05/24/13 23:42	460-00-4	
Dibromofluoromethane (S)	100	%	88-117		1		05/24/13 23:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	86-125		1		05/24/13 23:42	17060-07-0	
Toluene-d8 (S)	98	%	87-113		1		05/24/13 23:42	2037-26-5	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

QC Batch: MERP/3801 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

METHOD BLANK: 633687 Matrix: Water
Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	05/23/13 09:11	

LABORATORY CONTROL SAMPLE: 633688

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.1	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 633689 633690

Parameter	Units	3592930001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.10	2	2	2.1	2.2	106	107	80-120	.9	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

QC Batch: MPRP/13376 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

METHOD BLANK: 631726 Matrix: Water
Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	05/18/13 19:35	
Barium	ug/L	5.0U	10.0	05/18/13 19:35	
Beryllium	ug/L	0.50U	1.0	05/18/13 19:35	
Cadmium	ug/L	0.50U	1.0	05/18/13 19:35	
Chromium	ug/L	2.5U	5.0	05/18/13 19:35	
Cobalt	ug/L	5.0U	10.0	05/18/13 19:35	
Copper	ug/L	2.5U	5.0	05/18/13 19:35	
Iron	ug/L	20.0U	40.0	05/18/13 19:35	
Lead	ug/L	5.0U	10.0	05/18/13 19:35	
Nickel	ug/L	2.5U	5.0	05/18/13 19:35	
Selenium	ug/L	7.5U	15.0	05/18/13 19:35	
Silver	ug/L	2.5U	5.0	05/18/13 19:35	
Sodium	mg/L	0.50U	1.0	05/18/13 19:35	
Vanadium	ug/L	5.0U	10.0	05/18/13 19:35	
Zinc	ug/L	10.0U	20.0	05/18/13 19:35	

LABORATORY CONTROL SAMPLE: 631727

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	243	97	80-120	
Barium	ug/L	250	252	101	80-120	
Beryllium	ug/L	25	24.1	96	80-120	
Cadmium	ug/L	25	25.9	104	80-120	
Chromium	ug/L	250	252	101	80-120	
Cobalt	ug/L	250	271	108	80-120	
Copper	ug/L	250	242	97	80-120	
Iron	ug/L	2500	2410	96	80-120	
Lead	ug/L	250	267	107	80-120	
Nickel	ug/L	250	259	104	80-120	
Selenium	ug/L	250	250	100	80-120	
Silver	ug/L	25	25.6	102	80-120	
Sodium	mg/L	12.5	13.8	111	80-120	
Vanadium	ug/L	250	242	97	80-120	
Zinc	ug/L	1250	1260	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 631728 631729

Parameter	Units	3593644003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	5.0U	250	250	246	249	98	100	75-125	1	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 631728 631729

Parameter	Units	3593644003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	319	250	250	548	556	92	95	75-125	1	20	
Beryllium	ug/L	0.50U	25	25	23.1	23.4	91	92	75-125	1	20	
Cadmium	ug/L	0.50U	25	25	25.1	25.5	99	100	75-125	2	20	
Chromium	ug/L	6.8	250	250	248	250	96	97	75-125	.9	20	
Cobalt	ug/L	5.0U	250	250	262	265	103	104	75-125	1	20	
Copper	ug/L	2.5U	250	250	250	253	99	100	75-125	1	20	
Iron	ug/L	23200	2500	2500	24100	24600	38	57	75-125	2	20	J(M1)
Lead	ug/L	5.0U	250	250	248	250	99	100	75-125	.9	20	
Nickel	ug/L	2.5U	250	250	248	250	98	99	75-125	1	20	
Selenium	ug/L	7.5U	250	250	249	255	99	102	75-125	2	20	
Silver	ug/L	2.5U	25	25	26.3	26.4	104	105	75-125	.3	20	
Sodium	mg/L	169	12.5	12.5	175	178	50	74	75-125	2	20	J(M1)
Vanadium	ug/L	10.4	250	250	244	247	94	95	75-125	1	20	
Zinc	ug/L	10.0U	1250	1250	1260	1270	100	101	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

QC Batch: MPRP/13377 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

METHOD BLANK: 631730 Matrix: Water
Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	05/22/13 18:28	
Thallium	ug/L	0.50U	1.0	05/22/13 18:28	

LABORATORY CONTROL SAMPLE: 631731

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.9	100	80-120	
Thallium	ug/L	50	47.9	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 631732 631733

Parameter	Units	3593644004 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	49.9	50.3	100	101	70-130	.7	20	
Thallium	ug/L	0.50U	50	50	48.8	49.3	98	99	70-130	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

QC Batch: MSV/8687 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

METHOD BLANK: 635516 Matrix: Water
Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	05/23/13 20:44	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	05/23/13 20:44	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	05/23/13 20:44	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	05/23/13 20:44	
1,1-Dichloroethane	ug/L	0.50U	1.0	05/23/13 20:44	
1,1-Dichloroethene	ug/L	0.50U	1.0	05/23/13 20:44	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	05/23/13 20:44	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	05/23/13 20:44	
1,2-Dichloroethane	ug/L	0.50U	1.0	05/23/13 20:44	
1,2-Dichloropropane	ug/L	0.50U	1.0	05/23/13 20:44	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	05/23/13 20:44	
2-Butanone (MEK)	ug/L	5.0U	10.0	05/23/13 20:44	
2-Hexanone	ug/L	5.0U	10.0	05/23/13 20:44	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	05/23/13 20:44	
Acetone	ug/L	5.0U	10.0	05/23/13 20:44	
Acrylonitrile	ug/L	5.0U	10.0	05/23/13 20:44	
Benzene	ug/L	0.10U	1.0	05/23/13 20:44	
Bromochloromethane	ug/L	0.50U	1.0	05/23/13 20:44	
Bromodichloromethane	ug/L	0.27U	0.60	05/23/13 20:44	
Bromoform	ug/L	0.50U	1.0	05/23/13 20:44	
Bromomethane	ug/L	0.50U	1.0	05/23/13 20:44	
Carbon disulfide	ug/L	5.0U	10.0	05/23/13 20:44	
Carbon tetrachloride	ug/L	0.50U	1.0	05/23/13 20:44	
Chlorobenzene	ug/L	0.50U	1.0	05/23/13 20:44	
Chloroethane	ug/L	0.50U	1.0	05/23/13 20:44	
Chloroform	ug/L	0.50U	1.0	05/23/13 20:44	
Chloromethane	ug/L	0.62U	1.0	05/23/13 20:44	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	05/23/13 20:44	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	05/23/13 20:44	
Dibromochloromethane	ug/L	0.26U	0.50	05/23/13 20:44	
Dibromomethane	ug/L	0.50U	1.0	05/23/13 20:44	
Ethylbenzene	ug/L	0.50U	1.0	05/23/13 20:44	
Iodomethane	ug/L	0.50U	1.0	05/23/13 20:44	
Methylene Chloride	ug/L	2.5U	5.0	05/23/13 20:44	
Styrene	ug/L	0.50U	1.0	05/23/13 20:44	
Tetrachloroethene	ug/L	0.50U	1.0	05/23/13 20:44	
Toluene	ug/L	0.50U	1.0	05/23/13 20:44	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	05/23/13 20:44	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	05/23/13 20:44	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	05/23/13 20:44	
Trichloroethene	ug/L	0.50U	1.0	05/23/13 20:44	
Trichlorofluoromethane	ug/L	0.50U	1.0	05/23/13 20:44	
Vinyl acetate	ug/L	1.0U	2.0	05/23/13 20:44	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

METHOD BLANK: 635516 Matrix: Water

Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	0.50U	1.0	05/23/13 20:44	
Xylene (Total)	ug/L	0.50U	1.0	05/23/13 20:44	
1,2-Dichloroethane-d4 (S)	%	97	86-125	05/23/13 20:44	
4-Bromofluorobenzene (S)	%	101	70-114	05/23/13 20:44	
Dibromofluoromethane (S)	%	101	88-117	05/23/13 20:44	
Toluene-d8 (S)	%	98	87-113	05/23/13 20:44	

LABORATORY CONTROL SAMPLE: 635517

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.8	109	70-130	
1,1,1-Trichloroethane	ug/L	20	21.7	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.6	108	70-130	
1,1,2-Trichloroethane	ug/L	20	21.7	108	70-130	
1,1-Dichloroethane	ug/L	20	22.4	112	70-130	
1,1-Dichloroethene	ug/L	20	21.5	107	70-130	
1,2,3-Trichloropropane	ug/L	20	20.9	104	70-130	
1,2-Dichlorobenzene	ug/L	20	22.5	112	70-130	
1,2-Dichloroethane	ug/L	20	21.5	107	70-130	
1,2-Dichloropropane	ug/L	20	22.3	111	70-130	
1,4-Dichlorobenzene	ug/L	20	22.0	110	70-130	
2-Butanone (MEK)	ug/L	20	19.5	98	55-167	
2-Hexanone	ug/L	20	20.0	100	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	21.5	108	70-130	
Acetone	ug/L	20	19.6	98	40-150	
Acrylonitrile	ug/L	200	218	109	70-130	
Benzene	ug/L	20	22.9	114	70-130	
Bromochloromethane	ug/L	20	23.1	115	70-130	
Bromodichloromethane	ug/L	20	21.6	108	70-130	
Bromoform	ug/L	20	20.6	103	68-130	
Bromomethane	ug/L	20	25.6	128	38-179	
Carbon disulfide	ug/L	20	22.0	110	51-155	
Carbon tetrachloride	ug/L	20	22.5	113	70-130	
Chlorobenzene	ug/L	20	22.9	115	70-130	
Chloroethane	ug/L	20	21.4	107	59-149	
Chloroform	ug/L	20	21.9	110	70-130	
Chloromethane	ug/L	20	22.8	114	68-130	
cis-1,2-Dichloroethene	ug/L	20	22.0	110	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.9	109	70-130	
Dibromochloromethane	ug/L	20	21.9	110	70-130	
Dibromomethane	ug/L	20	21.2	106	70-130	
Ethylbenzene	ug/L	20	22.1	111	70-130	
Iodomethane	ug/L	20	21.2	106	43-160	
Methylene Chloride	ug/L	20	21.3	106	70-130	
Styrene	ug/L	20	22.9	115	70-130	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

LABORATORY CONTROL SAMPLE: 635517

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	22.6	113	66-133	
Toluene	ug/L	20	21.9	110	70-130	
trans-1,2-Dichloroethene	ug/L	20	22.3	112	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.9	109	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	20.1	100	65-130	
Trichloroethene	ug/L	20	21.8	109	70-130	
Trichlorofluoromethane	ug/L	20	21.1	106	70-131	
Vinyl acetate	ug/L	20	22.5	113	69-135	
Vinyl chloride	ug/L	20	23.6	118	69-140	
Xylene (Total)	ug/L	60	64.7	108	70-130	
1,2-Dichloroethane-d4 (S)	%			89	86-125	
4-Bromofluorobenzene (S)	%			100	70-114	
Dibromofluoromethane (S)	%			101	88-117	
Toluene-d8 (S)	%			99	87-113	

MATRIX SPIKE SAMPLE: 635708

Parameter	Units	3593644005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	22.8	114	39-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	24.1	121	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	21.0	105	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	22.4	112	50-130	
1,1-Dichloroethane	ug/L	0.50U	20	24.2	121	54-137	
1,1-Dichloroethene	ug/L	0.50U	20	24.1	120	45-155	
1,2,3-Trichloropropane	ug/L	0.36U	20	20.3	102	31-132	
1,2-Dichlorobenzene	ug/L	0.50U	20	22.7	113	43-130	
1,2-Dichloroethane	ug/L	0.50U	20	22.3	112	54-130	
1,2-Dichloropropane	ug/L	0.50U	20	23.4	117	53-130	
1,4-Dichlorobenzene	ug/L	0.50U	20	22.3	112	38-130	
2-Butanone (MEK)	ug/L	5.0U	20	18.0	90	48-138	
2-Hexanone	ug/L	5.0U	20	19.7	99	38-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	20	20.9	105	28-143	
Acetone	ug/L	5.0U	20	18.0	84	20-140	
Acrylonitrile	ug/L	5.0U	200	203	101	46-130	
Benzene	ug/L	0.10U	20	24.4	122	53-132	
Bromochloromethane	ug/L	0.50U	20	24.1	120	54-132	
Bromodichloromethane	ug/L	0.27U	20	22.6	113	46-130	
Bromoform	ug/L	0.50U	20	20.6	103	32-130	
Bromomethane	ug/L	0.50U	20	22.7	113	20-152	
Carbon disulfide	ug/L	5.0U	20	22.6	112	28-184	
Carbon tetrachloride	ug/L	0.50U	20	25.7	128	37-137	
Chlorobenzene	ug/L	0.50U	20	24.2	121	46-130	
Chloroethane	ug/L	0.50U	20	23.0	115	48-159	
Chloroform	ug/L	0.50U	20	22.8	114	51-130	
Chloromethane	ug/L	0.62U	20	22.0	110	39-144	
cis-1,2-Dichloroethene	ug/L	0.50U	20	23.7	118	54-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	22.5	113	45-130	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

MATRIX SPIKE SAMPLE: 635708

Parameter	Units	3593644005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	0.26U	20	22.7	113	43-130	
Dibromomethane	ug/L	0.50U	20	22.0	110	50-130	
Ethylbenzene	ug/L	0.50U	20	24.0	120	43-130	
Iodomethane	ug/L	0.50U	20	14.7	74	20-169	
Methylene Chloride	ug/L	2.5U	20	22.4	112	51-135	
Styrene	ug/L	0.50U	20	24.2	121	40-130	
Tetrachloroethene	ug/L	0.50U	20	24.5	123	26-130	
Toluene	ug/L	0.50U	20	23.9	119	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	24.3	122	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	22.5	113	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	17.5	88	20-139	
Trichloroethene	ug/L	0.50U	20	23.7	118	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	24.6	123	46-146	
Vinyl acetate	ug/L	1.0U	20	17.1	86	20-165	
Vinyl chloride	ug/L	0.50U	20	26.2	131	57-142	
Xylene (Total)	ug/L	0.50U	60	69.3	115	42-130	
1,2-Dichloroethane-d4 (S)	%				88	86-125	
4-Bromofluorobenzene (S)	%				99	70-114	
Dibromofluoromethane (S)	%				100	88-117	
Toluene-d8 (S)	%				101	87-113	

SAMPLE DUPLICATE: 635707

Parameter	Units	3593644004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.36U	0.36U		40	
1,2-Dichlorobenzene	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane	ug/L	0.50U	0.50U		40	
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,4-Dichlorobenzene	ug/L	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	5.0U	5.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	0.37 I	0.36 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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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

SAMPLE DUPLICATE: 635707

Parameter	Units	3593644004 Result	Dup Result	RPD	Max RPD	Qualifiers
Chlorobenzene	ug/L	2.0	2.0	3	40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	
Chloromethane	ug/L	0.62U	0.62U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
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)	%	97	97	.3		
4-Bromofluorobenzene (S)	%	98	99	1		
Dibromofluoromethane (S)	%	101	100	1		
Toluene-d8 (S)	%	100	99	1		

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

QC Batch: MSV/8700 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 3593644009

METHOD BLANK: 636818 | Matrix: Water
Associated Lab Samples: 3593644009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	05/24/13 23:18	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	05/24/13 23:18	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	05/24/13 23:18	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	05/24/13 23:18	
1,1-Dichloroethane	ug/L	0.50U	1.0	05/24/13 23:18	
1,1-Dichloroethene	ug/L	0.50U	1.0	05/24/13 23:18	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	05/24/13 23:18	
1,2-Dibromo-3-chloropropane	ug/L	1.0U	2.0	05/24/13 23:18	
1,2-Dibromoethane (EDB)	ug/L	0.50U	1.0	05/24/13 23:18	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	05/24/13 23:18	
1,2-Dichloroethane	ug/L	0.50U	1.0	05/24/13 23:18	
1,2-Dichloropropane	ug/L	0.50U	1.0	05/24/13 23:18	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	05/24/13 23:18	
2-Butanone (MEK)	ug/L	5.0U	10.0	05/24/13 23:18	
2-Hexanone	ug/L	5.0U	10.0	05/24/13 23:18	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	05/24/13 23:18	
Acetone	ug/L	5.0U	10.0	05/24/13 23:18	
Acrylonitrile	ug/L	5.0U	10.0	05/24/13 23:18	
Benzene	ug/L	0.10U	1.0	05/24/13 23:18	
Bromochloromethane	ug/L	0.50U	1.0	05/24/13 23:18	
Bromodichloromethane	ug/L	0.27U	0.60	05/24/13 23:18	
Bromoform	ug/L	0.50U	1.0	05/24/13 23:18	
Bromomethane	ug/L	0.50U	1.0	05/24/13 23:18	
Carbon disulfide	ug/L	5.0U	10.0	05/24/13 23:18	
Carbon tetrachloride	ug/L	0.50U	1.0	05/24/13 23:18	
Chlorobenzene	ug/L	0.50U	1.0	05/24/13 23:18	
Chloroethane	ug/L	0.50U	1.0	05/24/13 23:18	
Chloroform	ug/L	0.50U	1.0	05/24/13 23:18	
Chloromethane	ug/L	0.62U	1.0	05/24/13 23:18	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	05/24/13 23:18	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	05/24/13 23:18	
Dibromochloromethane	ug/L	0.26U	0.50	05/24/13 23:18	
Dibromomethane	ug/L	0.50U	1.0	05/24/13 23:18	
Ethylbenzene	ug/L	0.50U	1.0	05/24/13 23:18	
Iodomethane	ug/L	0.50U	1.0	05/24/13 23:18	
Methylene Chloride	ug/L	2.5U	5.0	05/24/13 23:18	
Styrene	ug/L	0.50U	1.0	05/24/13 23:18	
Tetrachloroethene	ug/L	0.50U	1.0	05/24/13 23:18	
Toluene	ug/L	0.50U	1.0	05/24/13 23:18	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	05/24/13 23:18	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	05/24/13 23:18	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	05/24/13 23:18	
Trichloroethene	ug/L	0.50U	1.0	05/24/13 23:18	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

METHOD BLANK: 636818 Matrix: Water

Associated Lab Samples: 3593644009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50U	1.0	05/24/13 23:18	
Vinyl acetate	ug/L	1.0U	2.0	05/24/13 23:18	
Vinyl chloride	ug/L	0.50U	1.0	05/24/13 23:18	
Xylene (Total)	ug/L	0.50U	1.0	05/24/13 23:18	
1,2-Dichloroethane-d4 (S)	%	96	86-125	05/24/13 23:18	
4-Bromofluorobenzene (S)	%	101	70-114	05/24/13 23:18	
Dibromofluoromethane (S)	%	101	88-117	05/24/13 23:18	
Toluene-d8 (S)	%	99	87-113	05/24/13 23:18	

LABORATORY CONTROL SAMPLE: 636819

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.1	100	70-130	
1,1,1-Trichloroethane	ug/L	20	20.8	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.3	97	70-130	
1,1,2-Trichloroethane	ug/L	20	20.2	101	70-130	
1,1-Dichloroethane	ug/L	20	21.1	105	70-130	
1,1-Dichloroethene	ug/L	20	21.1	106	70-130	
1,2,3-Trichloropropane	ug/L	20	19.5	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	17.8	89	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	20.0	100	70-130	
1,2-Dichlorobenzene	ug/L	20	20.8	104	70-130	
1,2-Dichloroethane	ug/L	20	20.0	100	70-130	
1,2-Dichloropropane	ug/L	20	20.9	105	70-130	
1,4-Dichlorobenzene	ug/L	20	20.7	103	70-130	
2-Butanone (MEK)	ug/L	20	17.2	86	55-167	
2-Hexanone	ug/L	20	19.3	97	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	20.7	104	70-130	
Acetone	ug/L	20	17.6	88	40-150	
Acrylonitrile	ug/L	200	211	105	70-130	
Benzene	ug/L	20	21.6	108	70-130	
Bromochloromethane	ug/L	20	21.6	108	70-130	
Bromodichloromethane	ug/L	20	19.9	100	70-130	
Bromoform	ug/L	20	19.2	96	68-130	
Bromomethane	ug/L	20	26.4	132	38-179	
Carbon disulfide	ug/L	20	20.8	104	51-155	
Carbon tetrachloride	ug/L	20	22.0	110	70-130	
Chlorobenzene	ug/L	20	21.4	107	70-130	
Chloroethane	ug/L	20	22.4	112	59-149	
Chloroform	ug/L	20	20.3	101	70-130	
Chloromethane	ug/L	20	23.5	117	68-130	
cis-1,2-Dichloroethene	ug/L	20	20.9	104	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.4	102	70-130	
Dibromochloromethane	ug/L	20	19.9	100	70-130	
Dibromomethane	ug/L	20	20.0	100	70-130	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

LABORATORY CONTROL SAMPLE: 636819

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	20	21.0	105	70-130	
Iodomethane	ug/L	20	19.8	99	43-160	
Methylene Chloride	ug/L	20	19.7	99	70-130	
Styrene	ug/L	20	21.4	107	70-130	
Tetrachloroethene	ug/L	20	21.6	108	66-133	
Toluene	ug/L	20	20.8	104	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.3	106	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.6	103	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	21.2	106	65-130	
Trichloroethene	ug/L	20	20.8	104	70-130	
Trichlorofluoromethane	ug/L	20	22.8	114	70-131	
Vinyl acetate	ug/L	20	21.7	108	69-135	
Vinyl chloride	ug/L	20	25.6	128	69-140	
Xylene (Total)	ug/L	60	61.8	103	70-130	
1,2-Dichloroethane-d4 (S)	%			88	86-125	
4-Bromofluorobenzene (S)	%			98	70-114	
Dibromofluoromethane (S)	%			101	88-117	
Toluene-d8 (S)	%			101	87-113	

MATRIX SPIKE SAMPLE: 637577

Parameter	Units	3593793004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	21.2	106	39-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	23.1	116	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	21.5	107	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	21.1	105	50-130	
1,1-Dichloroethane	ug/L	0.50U	20	22.6	113	54-137	
1,1-Dichloroethene	ug/L	0.50U	20	22.8	114	45-155	
1,2,3-Trichloropropane	ug/L	0.36U	20	21.2	106	31-132	
1,2-Dibromo-3-chloropropane	ug/L	1.0U	20	20.8	104	37-130	
1,2-Dibromoethane (EDB)	ug/L	0.50U	20	21.2	106	51-132	
1,2-Dichlorobenzene	ug/L	0.50U	20	21.9	108	43-130	
1,2-Dichloroethane	ug/L	0.50U	20	20.4	102	54-130	
1,2-Dichloropropane	ug/L	0.50U	20	21.7	108	53-130	
1,4-Dichlorobenzene	ug/L	2.1	20	23.2	106	38-130	
2-Butanone (MEK)	ug/L	5.0U	20	20.6	103	48-138	
2-Hexanone	ug/L	5.0U	20	21.9	109	38-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	20	22.2	111	28-143	
Acetone	ug/L	5.0U	20	22.2	95	20-140	
Acrylonitrile	ug/L	5.0U	200	204	102	46-130	
Benzene	ug/L	0.10U	20	22.9	114	53-132	
Bromochloromethane	ug/L	0.50U	20	22.4	112	54-132	
Bromodichloromethane	ug/L	0.27U	20	20.6	103	46-130	
Bromoform	ug/L	0.50U	20	20.4	102	32-130	
Bromomethane	ug/L	0.50U	20	23.2	116	20-152	
Carbon disulfide	ug/L	5.0U	20	21.5	107	28-184	
Carbon tetrachloride	ug/L	0.50U	20	24.0	120	37-137	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

MATRIX SPIKE SAMPLE: 637577

Parameter	Units	3593793004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	2.4	20	25.1	113	46-130	
Chloroethane	ug/L	0.50U	20	24.3	122	48-159	
Chloroform	ug/L	0.50U	20	21.2	106	51-130	
Chloromethane	ug/L	0.62U	20	26.3	131	39-144	
cis-1,2-Dichloroethene	ug/L	0.50U	20	21.8	109	54-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	21.0	105	45-130	
Dibromochloromethane	ug/L	0.26U	20	21.0	105	43-130	
Dibromomethane	ug/L	0.50U	20	20.6	103	50-130	
Ethylbenzene	ug/L	0.50U	20	22.2	111	43-130	
Iodomethane	ug/L	0.50U	20	19.9	99	20-169	
Methylene Chloride	ug/L	2.5U	20	20.6	103	51-135	
Styrene	ug/L	0.50U	20	21.9	110	40-130	
Tetrachloroethene	ug/L	0.50U	20	22.4	112	26-130	
Toluene	ug/L	0.50U	20	22.2	111	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	22.8	114	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	21.0	105	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	22.5	113	20-139	
Trichloroethene	ug/L	0.50U	20	22.0	110	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	24.6	123	46-146	
Vinyl acetate	ug/L	1.0U	20	16.6	83	20-165	
Vinyl chloride	ug/L	0.50U	20	28.2	141	57-142	
Xylene (Total)	ug/L	0.50U	60	65.0	108	42-130	
1,2-Dichloroethane-d4 (S)	%				95	86-125	
4-Bromofluorobenzene (S)	%				98	70-114	
Dibromofluoromethane (S)	%				99	88-117	
Toluene-d8 (S)	%				100	87-113	

SAMPLE DUPLICATE: 637576

Parameter	Units	3593793003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.36U	0.36U		40	
1,2-Dibromo-3-chloropropane	ug/L	1.0U	1.0U		40	
1,2-Dibromoethane (EDB)	ug/L	0.50U	0.50U		40	
1,2-Dichlorobenzene	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane	ug/L	0.50U	0.50U		40	
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,4-Dichlorobenzene	ug/L	2.9	2.5	15	40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	5.0U	5.0U		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

SAMPLE DUPLICATE: 637576

Parameter	Units	3593793003 Result	Dup Result	RPD	Max RPD	Qualifiers
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	2.8	2.7	4	40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	
Chloromethane	ug/L	0.62U	0.62U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.50U	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane-d4 (S)	%	94	95	.8		
4-Bromofluorobenzene (S)	%	98	101	4		
Dibromofluoromethane (S)	%	100	100	.1		
Toluene-d8 (S)	%	98	98	.3		

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

QC Batch: OEXT/12854 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

METHOD BLANK: 634124 Matrix: Water
Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	05/23/13 03:38	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	05/23/13 03:38	

LABORATORY CONTROL SAMPLE: 634125

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.21	84	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.23	93	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 634126 634127

Parameter	Units	3593644002 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	0.0049 U	.44	.44	0.43	0.44	98	101	60-140	2	40	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	.44	.44	0.46	0.48	106	110	60-140	4	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

QC Batch: WET/19367 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

METHOD BLANK: 636369 Matrix: Water
Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	05/24/13 12:08	

LABORATORY CONTROL SAMPLE: 636370

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	302	101	90-110	

SAMPLE DUPLICATE: 636371

Parameter	Units	3593644003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1230	1230	.00000000002	20	

SAMPLE DUPLICATE: 636372

Parameter	Units	3593831005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	135	131	3	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

QC Batch: WETA/26307 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

METHOD BLANK: 631927 Matrix: Water
Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	0.025U	0.050	05/18/13 10:37	

LABORATORY CONTROL SAMPLE: 631928

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	4.8	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 631929 631930

Parameter	Units	3593644004 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	0.025U	5	5	4.8	4.8	96	96	90-110	.4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 633794 633795

Parameter	Units	3593595001 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	0.025U	5	5	4.7	4.7	94	94	90-110	.5	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

QC Batch: WETA/26308 | Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 | Analysis Description: 300.0 IC Anions
Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

METHOD BLANK: 631947 | Matrix: Water
Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5U	5.0	05/25/13 21:30	
Sulfate	mg/L	2.5U	5.0	05/25/13 21:30	

LABORATORY CONTROL SAMPLE: 631948

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.8	98	90-110	
Sulfate	mg/L	50	48.6	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 631949 631950

Parameter	Units	3593644004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	77.9	50	50	130	130	104	105	90-110	.4	20	L
Sulfate	mg/L	32.8	50	50	84.4	84.4	103	103	90-110	.01	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

QC Batch: WETA/26340 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

METHOD BLANK: 632771 Matrix: Water
Associated Lab Samples: 3593644001, 3593644002, 3593644003, 3593644004, 3593644005, 3593644006, 3593644007, 3593644008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.050	05/21/13 11:17	

LABORATORY CONTROL SAMPLE: 632772

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 632774

Parameter	Units	3593811002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	4.2	1	5.2	100	90-110	

SAMPLE DUPLICATE: 632773

Parameter	Units	3593811002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	4.2	4.2	.7	20	

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(386)672-5668

QUALIFIERS

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
L	Off-scale high. Actual value is known to be greater than value given.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3593644002	**B41-1**		FLD/		
3593644003	**B41-1 DUP**		FLD/		
3593644004	**B43-1**		FLD/		
3593644005	**B82-1**		FLD/		
3593644006	**B86**		FLD/		
3593644007	**B81-4**		FLD/		
3593644008	**B79-1**		FLD/		
3593644001	**EQ Blank 5/17/13**	EPA 8011	OEXT/12854	EPA 8011	GCSV/8646
3593644002	**B41-1**	EPA 8011	OEXT/12854	EPA 8011	GCSV/8646
3593644003	**B41-1 DUP**	EPA 8011	OEXT/12854	EPA 8011	GCSV/8646
3593644004	**B43-1**	EPA 8011	OEXT/12854	EPA 8011	GCSV/8646
3593644005	**B82-1**	EPA 8011	OEXT/12854	EPA 8011	GCSV/8646
3593644006	**B86**	EPA 8011	OEXT/12854	EPA 8011	GCSV/8646
3593644007	**B81-4**	EPA 8011	OEXT/12854	EPA 8011	GCSV/8646
3593644008	**B79-1**	EPA 8011	OEXT/12854	EPA 8011	GCSV/8646
3593644001	**EQ Blank 5/17/13**	EPA 3010	MPRP/13376	EPA 6010	ICP/8579
3593644002	**B41-1**	EPA 3010	MPRP/13376	EPA 6010	ICP/8579
3593644003	**B41-1 DUP**	EPA 3010	MPRP/13376	EPA 6010	ICP/8579
3593644004	**B43-1**	EPA 3010	MPRP/13376	EPA 6010	ICP/8579
3593644005	**B82-1**	EPA 3010	MPRP/13376	EPA 6010	ICP/8579
3593644006	**B86**	EPA 3010	MPRP/13376	EPA 6010	ICP/8579
3593644007	**B81-4**	EPA 3010	MPRP/13376	EPA 6010	ICP/8579
3593644008	**B79-1**	EPA 3010	MPRP/13376	EPA 6010	ICP/8579
3593644001	**EQ Blank 5/17/13**	EPA 3010	MPRP/13377	EPA 6020	ICPM/5320
3593644002	**B41-1**	EPA 3010	MPRP/13377	EPA 6020	ICPM/5320
3593644003	**B41-1 DUP**	EPA 3010	MPRP/13377	EPA 6020	ICPM/5320
3593644004	**B43-1**	EPA 3010	MPRP/13377	EPA 6020	ICPM/5320
3593644005	**B82-1**	EPA 3010	MPRP/13377	EPA 6020	ICPM/5320
3593644006	**B86**	EPA 3010	MPRP/13377	EPA 6020	ICPM/5320
3593644007	**B81-4**	EPA 3010	MPRP/13377	EPA 6020	ICPM/5320
3593644008	**B79-1**	EPA 3010	MPRP/13377	EPA 6020	ICPM/5320
3593644001	**EQ Blank 5/17/13**	EPA 7470	MERP/3801	EPA 7470	MERC/3797
3593644002	**B41-1**	EPA 7470	MERP/3801	EPA 7470	MERC/3797
3593644003	**B41-1 DUP**	EPA 7470	MERP/3801	EPA 7470	MERC/3797
3593644004	**B43-1**	EPA 7470	MERP/3801	EPA 7470	MERC/3797
3593644005	**B82-1**	EPA 7470	MERP/3801	EPA 7470	MERC/3797
3593644006	**B86**	EPA 7470	MERP/3801	EPA 7470	MERC/3797
3593644007	**B81-4**	EPA 7470	MERP/3801	EPA 7470	MERC/3797
3593644008	**B79-1**	EPA 7470	MERP/3801	EPA 7470	MERC/3797
3593644001	**EQ Blank 5/17/13**	EPA 8260	MSV/8687		
3593644002	**B41-1**	EPA 8260	MSV/8687		
3593644003	**B41-1 DUP**	EPA 8260	MSV/8687		
3593644004	**B43-1**	EPA 8260	MSV/8687		
3593644005	**B82-1**	EPA 8260	MSV/8687		
3593644006	**B86**	EPA 8260	MSV/8687		
3593644007	**B81-4**	EPA 8260	MSV/8687		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Benzene Remediation
Pace Project No.: 3593644

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3593644008	**B79-1**	EPA 8260	MSV/8687		
3593644009	**TRIP BLANK 5/17/13**	EPA 8260	MSV/8700		
3593644001	**EQ Blank 5/17/13**	SM 2540C	WET/19367		
3593644002	**B41-1**	SM 2540C	WET/19367		
3593644003	**B41-1 DUP**	SM 2540C	WET/19367		
3593644004	**B43-1**	SM 2540C	WET/19367		
3593644005	**B82-1**	SM 2540C	WET/19367		
3593644006	**B86**	SM 2540C	WET/19367		
3593644007	**B81-4**	SM 2540C	WET/19367		
3593644008	**B79-1**	SM 2540C	WET/19367		
3593644001	**EQ Blank 5/17/13**	EPA 300.0	WETA/26307		
3593644002	**B41-1**	EPA 300.0	WETA/26307		
3593644003	**B41-1 DUP**	EPA 300.0	WETA/26307		
3593644004	**B43-1**	EPA 300.0	WETA/26307		
3593644005	**B82-1**	EPA 300.0	WETA/26307		
3593644006	**B86**	EPA 300.0	WETA/26307		
3593644007	**B81-4**	EPA 300.0	WETA/26307		
3593644008	**B79-1**	EPA 300.0	WETA/26307		
3593644001	**EQ Blank 5/17/13**	EPA 300.0	WETA/26308		
3593644002	**B41-1**	EPA 300.0	WETA/26308		
3593644003	**B41-1 DUP**	EPA 300.0	WETA/26308		
3593644004	**B43-1**	EPA 300.0	WETA/26308		
3593644005	**B82-1**	EPA 300.0	WETA/26308		
3593644006	**B86**	EPA 300.0	WETA/26308		
3593644007	**B81-4**	EPA 300.0	WETA/26308		
3593644008	**B79-1**	EPA 300.0	WETA/26308		
3593644001	**EQ Blank 5/17/13**	EPA 350.1	WETA/26340		
3593644002	**B41-1**	EPA 350.1	WETA/26340		
3593644003	**B41-1 DUP**	EPA 350.1	WETA/26340		
3593644004	**B43-1**	EPA 350.1	WETA/26340		
3593644005	**B82-1**	EPA 350.1	WETA/26340		
3593644006	**B86**	EPA 350.1	WETA/26340		
3593644007	**B81-4**	EPA 350.1	WETA/26340		
3593644008	**B79-1**	EPA 350.1	WETA/26340		

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WO# : 3593644

3593644

ılytical Request Document

ıll relevant fields must be completed accurately.

Page: 1 of 1

1631205

Section A
Required Client Information:

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

Required Project Information:

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

Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: _____

Section D
Required Client Information

Matrix Codes
MATRIX / CODE

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	SOLIDS, TOTAL DISSOLVED (TDS)	NITROGEN, AMMONIA NH3	SO4 11 EDB	8260 VOLATILE →	ORGANIC COMPOUNDS	6010 METALS	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	EQ							5-17-13	0840		8	3	1	1	3						X	X	X	X		X		
2	B41-1								0933																			
3	DUP								0933																			
4	B43-1								1043																			
5	B82-1								1140																			
6	B86								1332																			
7	B81-4								1414																			
8	B79-1								1502																			
9	TRIP BLANK										2				2									X				
10																												
11																												
12																												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	[signature]	5-17-13	1611	[signature]	5/17	20:26 1611

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

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: MARK GILBERT

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 5-17-13

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TOMBIGBEE LANDFILL BENZENE	SITE LOCATION:	
WELL NO: EQ	SAMPLE ID:	DATE: 5-17-13

PURGING DATA

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

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

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

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

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 0840	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y N (replaced)	DUPLICATE: Y N	

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

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)
SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = 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 [illegible]
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 10% Dissolved Oxygen: all readings ≤ 20% [illegible] Turbidity: [illegible] Optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU, [illegible]

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GROUNDWATER SAMPLING LOG

SITE NAME: TOMOKA LANDFILL BENZENE SITE LOCATION:

WELL NO: B41-1 / DUP SAMPLE ID: DATE: 5-17-13

PURGING DATA

WELL DIAMETER (inches): 2 TUBING DIAMETER (inches): 0.187 WELL SCREEN INTERVAL DEPTH: feet to feet STATIC DEPTH TO WATER (feet): 13.58 PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (38.17 feet – 13.58 feet) X 0.16 gallons/foot = 3.9344 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): 17.0 FINAL PUMP OR TUBING DEPTH IN WELL (feet): 17 PURGING INITIATED AT: 0900 PURGING ENDED AT: 0931 TOTAL VOLUME PURGED (gallons): 4.65

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0925	4.05	4.05	0.15	13.95	6.03	22.80	2379	0.43	6.88	CLEAR	none
0929	0.30	4.35	1	1	6.04	22.82	2407	0.36	4.13	1	1
0931	0.30	4.65			6.04	22.84	2420	0.34	3.75		

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: ~~0900~~ 0933 SAMPLING ENDED AT: 0955

PUMP OR TUBING DEPTH IN WELL (feet): 17 TUBING MATERIAL CODE: PE, S FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm

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

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

REMARKS: ORP -95.8 ORP -95.6 ORP -95.7

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2°C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2) optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

SITE NAME: TOMOKA LANDFILL BENZENE	SITE LOCATION:	
WELL NO: B 43-1	SAMPLE ID:	DATE: 5-17-13

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.62	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)
= (28.70 feet – 7.62 feet) X 0.16 gallons/foot = 3.3728 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): 11	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11	PURGING INITIATED AT: 1015	PURGING ENDED AT: 1042	TOTAL VOLUME PURGED (gallons): 4.05

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)
1038	3.45	3.45	0.15	8.68	5.73	21.85	781	0.58	3.00	CLEAR	NONE
1040	0.30	3.75	1	1	5.73	21.87	780	0.55	2.79	1	1
1042	0.30	4.05	1	1	5.73	21.86	777	0.53	1.76		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1043	SAMPLING ENDED AT: 1050
PUMP OR TUBING DEPTH IN WELL (feet): 11	TUBING MATERIAL CODE: PE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

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

REMARKS:
ORP -47.8 ORP -48.2 ORP -48.9

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

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

NOTES: 1. This 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 1-5, FS 2200) optionally, ± 0.2 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

SITE NAME: TOMOKA LANDFILL BENZENE	SITE LOCATION:	
WELL NO: B82-1	SAMPLE ID:	DATE: 5-17-13

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 8.34	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (38.64 feet – 8.34 feet) X 0.16 gallons/foot = 4.848 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12	PURGING INITIATED AT: 1102	PURGING ENDED AT: 1139	TOTAL VOLUME PURGED (gallons): 5.55

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)
1135	4.95	4.95	0.15	10.50	5.99	~~5.99~~ 24.21	401	0.66	2.47	CLEAR	NONE
1137	0.30	5.25	1	1	5.98	24.25	401	0.54	1.38	1	1
1139	0.30	5.55	1	1	5.98	24.28	402	0.49			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1140	SAMPLING ENDED AT: 1150
PUMP OR TUBING DEPTH IN WELL (feet): 12	TUBING MATERIAL CODE: PE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

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

REMARKS:
ORP -51.9 ORP -52.7 ORP -52.0

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 (Rule 62-160.240(5), F.A.C.): Temperature: ± 0.2 °C; Specific Conductance: ± 5% (Recommended Stabilization Criteria ≤ 20% Variation (see Rule 62-160.240(5)); pH: ± 0.2 units; Dissolved Oxygen: ± 0.2 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU (preferably ≤ 10 NTU) or ± 10% (whichever is greater).

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GROUNDWATER SAMPLING LOG

SITE NAME: TOMOKA LANDFILL BENZENE	SITE LOCATION:	
WELL NO: ~~B86~~ MG B86	SAMPLE ID:	DATE: 5-17-13

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 11.27	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)
= (52.23 feet – 11.27 feet) X 0.16 gallons/foot = 6.5536 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21	PURGING INITIATED AT: 1300	PURGING ENDED AT: 1330	TOTAL VOLUME PURGED (gallons): 7.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1326	6.75	6.75	0.25	18.60	6.09	22.17	2461	0.24	16.0	CLEAR	none
1328	0.50	7.25	|	|	6.08	22.15	2458	0.26	19.2	|	|
1330	0.50	7.75	|	|	6.08	22.11	2459	0.21	17.4		

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1332	SAMPLING ENDED AT: 1337
PUMP OR TUBING DEPTH IN WELL (feet): 21	TUBING MATERIAL CODE: PE,S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

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

REMARKS: ORP -112.8 ORP -112.9 ORP -112.7

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

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

NOTES: 1. This sheet does 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 (Ref. FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-1); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally, ± 5 NTU or ± 10% (whichever is greater)

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

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GROUNDWATER SAMPLING LOG

SITE NAME: TOMOKA LANDFILL BENZENE	SITE LOCATION:	
WELL NO: B 81-4	SAMPLE ID:	DATE: 5-17-13

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.50	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)
= (37.02 feet – 4.50 feet) X 0.16 gallons/foot = 5.2032 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8	PURGING INITIATED AT: 1347	PURGING ENDED AT: 1412	TOTAL VOLUME PURGED (gallons): 6.25

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)
1408	5.25	5.25	0.25	6.75	5.97	21.73	923	0.30	17.4	Clear	Sulfur
1410	0.50	5.75	1	6.80	5.96	21.71	937	0.27	11.8	1	1
1412	0.50	6.25	1	6.95	5.96	21.72	945	0.28	10.01	1	1

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1414	SAMPLING ENDED AT: 1419
PUMP OR TUBING DEPTH IN WELL (feet): 8	TUBING MATERIAL CODE: PE-S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

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

REMARKS: ORP -54.7 ORP -55.0 ORP -56.1

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter [illegible] F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (DEP-SOP-001/01 FS 2000, SECTION [illegible])
pH: ± 0.2 units; Temperature: ± 0.2 °C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation; Redox: see below; [illegible] ± 0.2 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU or ± 10% (whichever is greater)

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TOMOKA LANDFILL BENZONE	SITE LOCATION:	
WELL NO: B79-1	SAMPLE ID:	DATE: 5-17-13

PURGING DATA

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

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (43.42 feet – 12.09 feet) X 0.16 gallons/foot = 5.0128 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 1435	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1456	5.25	5.25	0.25	12.70	5.93	22.19	3116	0.34	2.91	Clear	Sulfur
1458	0.50	5.75	1	12.70	5.95	22.20	3125	0.30	3.40	1	1
1500	0.50	6.25	1	12.70	5.96	22.22	3126	0.26	2.53		

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1502	SAMPLING ENDED AT: 1507
PUMP OR TUBING DEPTH IN WELL (feet): 15	TUBING MATERIAL CODE: PE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

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

REMARKS: ORP -68.0 ORP -69.0 ORP -70.5

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

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **FC** = Flow Cell (Using 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 DURING LAST THREE CONSECUTIVE READINGS (SEE FAC 62-160.240(3)): pH ± 0.2 units; Temperature: ± 0.2 °C; Specific Conductance: ± 5%; Turbidity: all readings < 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater); Turbidity: all readings > 20 NTU, optionally ± 0.2 mg/L or ± 10% (whichever is greater).

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

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: VOLUSIA COUNTY SOLID WASTE Project # 30936044

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 _____

Date and Initials of person examining contents: _____

Thermometer Used T113 Type of Ice: (Wet) Blue None

Cooler Temperature°C 2.4 (Visual) -0.6 (Correction Factor) 1.8 (Actual)

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

Receipt of samples satisfactory: ☐Yes ☐No Rush TAT requested on COC:

If yes, then all conditions below were met:	If no, then mark box & describe issue (use comments area if necessary):
Chain of Custody Present	☐
Chain of Custody Filled Out	☐
Relinquished Signature & Sampler Name COC	☐
Samples Arrived within Hold Time	☐
Sufficient Volume	☐
Correct Containers Used	☐
Containers Intact	☐
Sample Labels match COC (sample IDs & date/time of collection)	☐ No Labels: ☐ No Time/Date on Labels: ☐
All containers needing preservation are found to be in compliance with EPA recommendation.	☑ 1 of 3 vials Sample #8 B79-1 excessive headspace
No Headspace in VOA Vials (>6mm):	☐

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: _____

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

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