

December 16, 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.: 35117541

Dear Ms. Stirk:

Enclosed are the analytical results for sample(s) received by the laboratory on November 27, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Jeff Baylor

jeff.baylor@pacelabs.com  
Project Manager

Enclosures

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



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

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### Ormond Beach Certification IDs

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

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

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## SAMPLE SUMMARY

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35117541001	Equip. Blank (11/27/13)	Water	11/27/13 09:03	11/27/13 14:40
35117541002	B85-F	Water	11/27/13 10:23	11/27/13 14:40
35117541003	B85-6	Water	11/27/13 11:12	11/27/13 14:40
35117541004	B87-F	Water	11/27/13 12:42	11/27/13 14:40
35117541005	B87-6	Water	11/27/13 13:22	11/27/13 14:40
35117541006	Trip Blank 11/27/13	Water	11/27/13 13:22	11/27/13 14:40

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## SAMPLE ANALYTE COUNT

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35117541001	Equip. Blank (11/27/13)	EPA 8011	IRL	2	PASI-O
		EPA 8081	JTJ	24	PASI-O
		EPA 8082	JLG	9	PASI-O
		EPA 8141	WFH	7	PASI-O
		EPA 8151	LJM	6	PASI-O
		EPA 6010	TAP	16	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8270	EAO	105	PASI-O
		EPA 8260	SK	61	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 9034	AGS	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 350.1	ADC	1	PASI-O
		EPA 9012	ADC	1	PASI-O
35117541002	B85-F	EPA 8011	IRL	2	PASI-O
		EPA 8081	JTJ	24	PASI-O
		EPA 8082	JLG	9	PASI-O
		EPA 8141	WFH	7	PASI-O
		EPA 8151	LJM	6	PASI-O
		EPA 6010	TAP	16	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8270	TWB	105	PASI-O
		EPA 8260	SK	61	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 9034	AGS	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 350.1	ADC	1	PASI-O
		EPA 9012	ADC	1	PASI-O
35117541003	B85-6	EPA 8011	IRL	2	PASI-O
		EPA 8081	JTJ	24	PASI-O
		EPA 8082	JLG	9	PASI-O
		EPA 8141	WFH	7	PASI-O
		EPA 8151	LJM	6	PASI-O

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## SAMPLE ANALYTE COUNT

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35117541004	B87-F	EPA 6010	TAP	16	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8270	TWB	105	PASI-O
		EPA 8260	SK	61	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 9034	AGS	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 350.1	ADC	1	PASI-O
		EPA 9012	ADC	1	PASI-O
		EPA 8011	IRL	2	PASI-O
		EPA 8081	JTJ	24	PASI-O
		EPA 8082	JLG	9	PASI-O
		EPA 8141	WFH	7	PASI-O
		EPA 8151	LJM	6	PASI-O
		EPA 6010	TAP	16	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8270	TWB	105	PASI-O
		EPA 8260	SK	61	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 9034	AGS	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
35117541005	B87-6	EPA 350.1	ADC	1	PASI-O
		EPA 9012	ADC	1	PASI-O
		EPA 8011	IRL	2	PASI-O
		EPA 8081	JTJ	24	PASI-O
		EPA 8082	JLG	9	PASI-O
		EPA 8141	WFH	7	PASI-O
		EPA 8151	LJM	6	PASI-O
		EPA 6010	TAP	16	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8270	TWB	105	PASI-O
		EPA 8260	SK	61	PASI-O

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## SAMPLE ANALYTE COUNT

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35117541006	Trip Blank 11/27/13	SM 2540C	WMW	1	PASI-O
		EPA 9034	AGS	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 350.1	ADC	1	PASI-O
		EPA 9012	ADC	1	PASI-O
		EPA 8260	SK	63	PASI-O

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## PROJECT NARRATIVE

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

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**Date:** December 16, 2013

The data for the cyanide on 35117541 was run past the recommended holding time due to an instrument issue that delayed the analytical batch.

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

**Sample: Equip. Blank (11/27/13)**      **Lab ID: 35117541001**      Collected: 11/27/13 09:03      Received: 11/27/13 14:40      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b> Analytical Method: EPA 8011      Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	<b>0.0050U</b>	ug/L	0.020	0.0050	1	12/04/13 15:00	12/05/13 01:40	96-12-8	
1,2-Dibromoethane (EDB)	<b>0.0063U</b>	ug/L	0.010	0.0063	1	12/04/13 15:00	12/05/13 01:40	106-93-4	
<b>8081 GCS Pesticides</b> Analytical Method: EPA 8081      Preparation Method: EPA 3510									
Aldrin	<b>0.00048U</b>	ug/L	0.0097	0.00048	1	12/01/13 16:00	12/03/13 18:51	309-00-2	
alpha-BHC	<b>0.00029U</b>	ug/L	0.0097	0.00029	1	12/01/13 16:00	12/03/13 18:51	319-84-6	
beta-BHC	<b>0.0054 I</b>	ug/L	0.0097	0.00048	1	12/01/13 16:00	12/03/13 18:51	319-85-7	
delta-BHC	<b>0.00039U</b>	ug/L	0.0097	0.00039	1	12/01/13 16:00	12/03/13 18:51	319-86-8	
gamma-BHC (Lindane)	<b>0.00019U</b>	ug/L	0.0097	0.00019	1	12/01/13 16:00	12/03/13 18:51	58-89-9	
Chlordane (Technical)	<b>0.077U</b>	ug/L	0.48	0.077	1	12/01/13 16:00	12/03/13 18:51	57-74-9	
Chlorobenzilate	<b>0.020U</b>	ug/L	0.097	0.020	1	12/01/13 16:00	12/03/13 18:51	510-15-6	
4,4'-DDD	<b>0.0018U</b>	ug/L	0.0097	0.0018	1	12/01/13 16:00	12/03/13 18:51	72-54-8	
4,4'-DDE	<b>0.00087U</b>	ug/L	0.0097	0.00087	1	12/01/13 16:00	12/03/13 18:51	72-55-9	
4,4'-DDT	<b>0.0035U</b>	ug/L	0.0097	0.0035	1	12/01/13 16:00	12/03/13 18:51	50-29-3	
Dieldrin	<b>0.00048U</b>	ug/L	0.0097	0.00048	1	12/01/13 16:00	12/03/13 18:51	60-57-1	
Endosulfan I	<b>0.00068U</b>	ug/L	0.0097	0.00068	1	12/01/13 16:00	12/03/13 18:51	959-98-8	
Endosulfan II	<b>0.00068U</b>	ug/L	0.0097	0.00068	1	12/01/13 16:00	12/03/13 18:51	33213-65-9	
Endosulfan sulfate	<b>0.00058U</b>	ug/L	0.0097	0.00058	1	12/01/13 16:00	12/03/13 18:51	1031-07-8	
Endrin	<b>0.0016U</b>	ug/L	0.0097	0.0016	1	12/01/13 16:00	12/03/13 18:51	72-20-8	
Endrin aldehyde	<b>0.0069U</b>	ug/L	0.0097	0.0069	1	12/01/13 16:00	12/03/13 18:51	7421-93-4	
Heptachlor	<b>0.0014U</b>	ug/L	0.0097	0.0014	1	12/01/13 16:00	12/03/13 18:51	76-44-8	
Heptachlor epoxide	<b>0.00039U</b>	ug/L	0.0097	0.00039	1	12/01/13 16:00	12/03/13 18:51	1024-57-3	
Kepone	<b>0.17U</b>	ug/L	9.7	0.17	1	12/01/13 16:00	12/03/13 18:51	143-50-0	
Methoxychlor	<b>0.0068U</b>	ug/L	0.0097	0.0068	1	12/01/13 16:00	12/03/13 18:51	72-43-5	
Pentachloronitrobenzene	<b>0.014U</b>	ug/L	0.097	0.014	1	12/01/13 16:00	12/03/13 18:51	82-68-8	
Toxaphene	<b>0.28U</b>	ug/L	0.48	0.28	1	12/01/13 16:00	12/03/13 18:51	8001-35-2	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	79 %		66.5-120.3		1	12/01/13 16:00	12/03/13 18:51	877-09-8	
Decachlorobiphenyl (S)	78 %		41.7-109.1		1	12/01/13 16:00	12/03/13 18:51	2051-24-3	
<b>8082 GCS PCB</b> Analytical Method: EPA 8082      Preparation Method: EPA 3510									
PCB-1016 (Aroclor 1016)	<b>0.077U</b>	ug/L	0.48	0.077	1	12/01/13 16:00	12/03/13 17:35	12674-11-2	
PCB-1221 (Aroclor 1221)	<b>0.078U</b>	ug/L	0.48	0.078	1	12/01/13 16:00	12/03/13 17:35	11104-28-2	
PCB-1232 (Aroclor 1232)	<b>0.11U</b>	ug/L	0.48	0.11	1	12/01/13 16:00	12/03/13 17:35	11141-16-5	
PCB-1242 (Aroclor 1242)	<b>0.12U</b>	ug/L	0.48	0.12	1	12/01/13 16:00	12/03/13 17:35	53469-21-9	
PCB-1248 (Aroclor 1248)	<b>0.27U</b>	ug/L	0.48	0.27	1	12/01/13 16:00	12/03/13 17:35	12672-29-6	
PCB-1254 (Aroclor 1254)	<b>0.14U</b>	ug/L	0.48	0.14	1	12/01/13 16:00	12/03/13 17:35	11097-69-1	
PCB-1260 (Aroclor 1260)	<b>0.11U</b>	ug/L	0.48	0.11	1	12/01/13 16:00	12/03/13 17:35	11096-82-5	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	88 %		48-111		1	12/01/13 16:00	12/03/13 17:35	877-09-8	
Decachlorobiphenyl (S)	85 %		63-121		1	12/01/13 16:00	12/03/13 17:35	2051-24-3	
<b>8141 GCS O/P Pesticides</b> Analytical Method: EPA 8141      Preparation Method: EPA 3510									
Dimethoate	<b>0.23U</b>	ug/L	0.49	0.23	1	12/03/13 09:00	12/03/13 13:23	60-51-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

Sample: Equip. Blank (11/27/13)      Lab ID: 35117541001      Collected: 11/27/13 09:03      Received: 11/27/13 14:40      Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8141 GCS O/P Pesticides</b> Analytical Method: EPA 8141      Preparation Method: EPA 3510									
Disulfoton	0.25U	ug/L	0.49	0.25	1	12/03/13 09:00	12/03/13 13:23	298-04-4	
Famphur	0.28U	ug/L	0.49	0.28	1	12/03/13 09:00	12/03/13 13:23	52-85-7	
Methyl parathion	0.26U	ug/L	0.49	0.26	1	12/03/13 09:00	12/03/13 13:23	298-00-0	
Parathion (Ethyl parathion)	0.46U	ug/L	0.98	0.46	1	12/03/13 09:00	12/03/13 13:23	56-38-2	L3
Phorate	0.41U	ug/L	0.98	0.41	1	12/03/13 09:00	12/03/13 13:23	298-02-2	L3
<b>Surrogates</b>									
4-Chloro3nitrobenzotrifluoride	52 %		34.2-122		1	12/03/13 09:00	12/03/13 13:23		
<b>8151 Chlorinated Herbicides</b> Analytical Method: EPA 8151      Preparation Method: EPA 8151									
2,4-D	0.22U	ug/L	0.91	0.22	1	12/02/13 08:05	12/03/13 21:54	94-75-7	
Dinoseb	0.055U	ug/L	0.18	0.055	1	12/02/13 08:05	12/03/13 21:54	88-85-7	
Pentachlorophenol	0.017U	ug/L	0.028	0.017	1	12/02/13 08:05	12/03/13 21:54	87-86-5	
2,4,5-T	0.041U	ug/L	0.18	0.041	1	12/02/13 08:05	12/03/13 21:54	93-76-5	
2,4,5-TP (Silvex)	0.048U	ug/L	0.18	0.048	1	12/02/13 08:05	12/03/13 21:54	93-72-1	
<b>Surrogates</b>									
2,4-DCAA (S)	97 %		42-142		1	12/02/13 08:05	12/03/13 21:54	19719-28-9	
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:06	7440-38-2	
Barium	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:06	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 17:06	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 17:06	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:06	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:06	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:06	7440-50-8	
Iron	20.0U	ug/L	40.0	20.0	1	12/02/13 13:02	12/03/13 17:06	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:06	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:06	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	12/02/13 13:02	12/03/13 17:06	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:06	7440-22-4	
Sodium	0.50U	mg/L	1.0	0.50	1	12/02/13 13:02	12/03/13 17:06	7440-23-5	
Tin	25.0U	ug/L	50.0	25.0	1	12/02/13 13:02	12/03/13 17:06	7440-31-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:06	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	12/02/13 13:02	12/03/13 17:06	7440-66-6	
<b>6020 MET ICPMS</b> Analytical Method: EPA 6020      Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 15:01	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 15:01	7440-28-0	
<b>7470 Mercury</b> Analytical Method: EPA 7470      Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	12/03/13 10:45	12/04/13 10:21	7439-97-6	
<b>8270 MSSV SemiVOA App. II</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Acenaphthene	0.83U	ug/L	4.8	0.83	1	12/04/13 07:30	12/08/13 13:08	83-32-9	
Acenaphthylene	0.92U	ug/L	4.8	0.92	1	12/04/13 07:30	12/08/13 13:08	208-96-8	

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

**Sample: Equip. Blank (11/27/13)**    **Lab ID: 35117541001**    Collected: 11/27/13 09:03    Received: 11/27/13 14:40    Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV SemiVOA App. II</b> Analytical Method: EPA 8270    Preparation Method: EPA 3510									
Acetophenone	1.4U	ug/L	4.8	1.4	1	12/04/13 07:30	12/08/13 13:08	98-86-2	
2-Acetylaminofluorene	2.3U	ug/L	4.8	2.3	1	12/04/13 07:30	12/08/13 13:08	53-96-3	
4-Aminobiphenyl	0.33U	ug/L	4.8	0.33	1	12/04/13 07:30	12/08/13 13:08	92-67-1	
Anthracene	0.58U	ug/L	4.8	0.58	1	12/04/13 07:30	12/08/13 13:08	120-12-7	
Benzo(a)anthracene	0.61U	ug/L	4.8	0.61	1	12/04/13 07:30	12/08/13 13:08	56-55-3	
Benzo(a)pyrene	0.56U	ug/L	0.96	0.56	1	12/04/13 07:30	12/08/13 13:08	50-32-8	
Benzo(b)fluoranthene	0.60U	ug/L	1.9	0.60	1	12/04/13 07:30	12/08/13 13:08	205-99-2	
Benzo(g,h,i)perylene	0.66U	ug/L	4.8	0.66	1	12/04/13 07:30	12/08/13 13:08	191-24-2	
Benzo(k)fluoranthene	0.49U	ug/L	3.9	0.49	1	12/04/13 07:30	12/08/13 13:08	207-08-9	
Benzyl alcohol	0.28U	ug/L	4.8	0.28	1	12/04/13 07:30	12/08/13 13:08	100-51-6	
4-Bromophenylphenyl ether	0.65U	ug/L	4.8	0.65	1	12/04/13 07:30	12/08/13 13:08	101-55-3	
Butylbenzylphthalate	0.69U	ug/L	4.8	0.69	1	12/04/13 07:30	12/08/13 13:08	85-68-7	
4-Chloro-3-methylphenol	0.60U	ug/L	19.3	0.60	1	12/04/13 07:30	12/08/13 13:08	59-50-7	
4-Chloroaniline	1.2U	ug/L	4.8	1.2	1	12/04/13 07:30	12/08/13 13:08	106-47-8	
bis(2-Chloroethoxy)methane	2.8U	ug/L	4.8	2.8	1	12/04/13 07:30	12/08/13 13:08	111-91-1	
bis(2-Chloroethyl) ether	0.72U	ug/L	3.9	0.72	1	12/04/13 07:30	12/08/13 13:08	111-44-4	
bis(2-Chloroisopropyl) ether	0.70U	ug/L	4.8	0.70	1	12/04/13 07:30	12/08/13 13:08	108-60-1	
2-Chloronaphthalene	0.77U	ug/L	4.8	0.77	1	12/04/13 07:30	12/08/13 13:08	91-58-7	
2-Chlorophenol	0.66U	ug/L	4.8	0.66	1	12/04/13 07:30	12/08/13 13:08	95-57-8	
4-Chlorophenylphenyl ether	0.61U	ug/L	4.8	0.61	1	12/04/13 07:30	12/08/13 13:08	7005-72-3	
Chrysene	0.36U	ug/L	4.8	0.36	1	12/04/13 07:30	12/08/13 13:08	218-01-9	
Diallyl ether	0.32U	ug/L	4.8	0.32	1	12/04/13 07:30	12/08/13 13:08	2303-16-4	
Dibenz(a,h)anthracene	0.63U	ug/L	1.9	0.63	1	12/04/13 07:30	12/08/13 13:08	53-70-3	
Dibenzofuran	0.65U	ug/L	4.8	0.65	1	12/04/13 07:30	12/08/13 13:08	132-64-9	
1,2-Dichlorobenzene	0.66U	ug/L	4.8	0.66	1	12/04/13 07:30	12/08/13 13:08	95-50-1	
1,3-Dichlorobenzene	0.73U	ug/L	4.8	0.73	1	12/04/13 07:30	12/08/13 13:08	541-73-1	
1,4-Dichlorobenzene	0.74U	ug/L	4.8	0.74	1	12/04/13 07:30	12/08/13 13:08	106-46-7	
3,3'-Dichlorobenzidine	0.67U	ug/L	9.6	0.67	1	12/04/13 07:30	12/08/13 13:08	91-94-1	
2,4-Dichlorophenol	0.54U	ug/L	1.9	0.54	1	12/04/13 07:30	12/08/13 13:08	120-83-2	
2,6-Dichlorophenol	0.36U	ug/L	3.9	0.36	1	12/04/13 07:30	12/08/13 13:08	87-65-0	
Diethylphthalate	0.49U	ug/L	4.8	0.49	1	12/04/13 07:30	12/08/13 13:08	84-66-2	
P-Dimethylaminoazobenzene	0.29U	ug/L	4.8	0.29	1	12/04/13 07:30	12/08/13 13:08	60-11-7	N2
7,12-Dimethylbenz(a)anthracene	0.64U	ug/L	4.8	0.64	1	12/04/13 07:30	12/08/13 13:08	57-97-6	
3,3'-Dimethylbenzidine	0.59U	ug/L	9.6	0.59	1	12/04/13 07:30	12/08/13 13:08	119-93-7	
2,4-Dimethylphenol	1.5U	ug/L	4.8	1.5	1	12/04/13 07:30	12/08/13 13:08	105-67-9	
a,a-Dimethylphenylethylamine	9.6U	ug/L	19.3	9.6	1	12/04/13 07:30	12/08/13 13:08	122-09-8	
Dimethylphthalate	0.62U	ug/L	4.8	0.62	1	12/04/13 07:30	12/08/13 13:08	131-11-3	
Di-n-butylphthalate	0.40U	ug/L	4.8	0.40	1	12/04/13 07:30	12/08/13 13:08	84-74-2	
4,6-Dinitro-2-methylphenol	1.3U	ug/L	19.3	1.3	1	12/04/13 07:30	12/08/13 13:08	534-52-1	N2
1,3-Dinitrobenzene	0.29U	ug/L	7.7	0.29	1	12/04/13 07:30	12/08/13 13:08	99-65-0	
2,4-Dinitrophenol	1.5U	ug/L	19.3	1.5	1	12/04/13 07:30	12/08/13 13:08	51-28-5	
2,4-Dinitrotoluene	0.51U	ug/L	1.9	0.51	1	12/04/13 07:30	12/08/13 13:08	121-14-2	
2,6-Dinitrotoluene	1.2U	ug/L	1.9	1.2	1	12/04/13 07:30	12/08/13 13:08	606-20-2	N2
Di-n-octylphthalate	0.87U	ug/L	4.8	0.87	1	12/04/13 07:30	12/08/13 13:08	117-84-0	
bis(2-Ethylhexyl)phthalate	0.77U	ug/L	4.8	0.77	1	12/04/13 07:30	12/08/13 13:08	117-81-7	
Ethyl methanesulfonate	0.36U	ug/L	4.8	0.36	1	12/04/13 07:30	12/08/13 13:08	62-50-0	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

**Sample: Equip. Blank (11/27/13)**      **Lab ID: 35117541001**      Collected: 11/27/13 09:03      Received: 11/27/13 14:40      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV SemiVOA App. II</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Fluoranthene	0.52U	ug/L	4.8	0.52	1	12/04/13 07:30	12/08/13 13:08	206-44-0	
Fluorene	0.54U	ug/L	4.8	0.54	1	12/04/13 07:30	12/08/13 13:08	86-73-7	
Hexachlorobenzene	0.77U	ug/L	0.96	0.77	1	12/04/13 07:30	12/08/13 13:08	118-74-1	
Hexachlorocyclopentadiene	1.2U	ug/L	4.8	1.2	1	12/04/13 07:30	12/08/13 13:08	77-47-4	
Hexachloroethane	0.69U	ug/L	4.8	0.69	1	12/04/13 07:30	12/08/13 13:08	67-72-1	
Hexachloropropene	0.36U	ug/L	4.8	0.36	1	12/04/13 07:30	12/08/13 13:08	1888-71-7	
Indeno(1,2,3-cd)pyrene	0.70U	ug/L	1.9	0.70	1	12/04/13 07:30	12/08/13 13:08	193-39-5	
Isodrin	0.29U	ug/L	4.8	0.29	1	12/04/13 07:30	12/08/13 13:08	465-73-6	
Isophorone	0.70U	ug/L	4.8	0.70	1	12/04/13 07:30	12/08/13 13:08	78-59-1	
Isosafrole	0.27U	ug/L	4.8	0.27	1	12/04/13 07:30	12/08/13 13:08	120-58-1	
Methapyrilene	0.95U	ug/L	4.8	0.95	1	12/04/13 07:30	12/08/13 13:08	91-80-5	
3-Methylcholanthrene	0.27U	ug/L	4.8	0.27	1	12/04/13 07:30	12/08/13 13:08	56-49-5	
Methyl methanesulfonate	0.10U	ug/L	4.8	0.10	1	12/04/13 07:30	12/08/13 13:08	66-27-3	
2-Methylnaphthalene	0.96U	ug/L	4.8	0.96	1	12/04/13 07:30	12/08/13 13:08	91-57-6	
2-Methylphenol(o-Cresol)	0.70U	ug/L	4.8	0.70	1	12/04/13 07:30	12/08/13 13:08	95-48-7	
3&4-Methylphenol(m&p Cresol)	0.64U	ug/L	9.6	0.64	1	12/04/13 07:30	12/08/13 13:08		
1-Naphthylamine	0.64U	ug/L	4.8	0.64	1	12/04/13 07:30	12/08/13 13:08	134-32-7	
2-Naphthylamine	0.66U	ug/L	4.8	0.66	1	12/04/13 07:30	12/08/13 13:08	91-59-8	
Naphthalene	0.75U	ug/L	4.8	0.75	1	12/04/13 07:30	12/08/13 13:08	91-20-3	
1,4-Naphthoquinone	0.29U	ug/L	4.8	0.29	1	12/04/13 07:30	12/08/13 13:08	130-15-4	
2-Nitroaniline	0.58U	ug/L	4.8	0.58	1	12/04/13 07:30	12/08/13 13:08	88-74-4	
3-Nitroaniline	0.96U	ug/L	4.8	0.96	1	12/04/13 07:30	12/08/13 13:08	99-09-2	
4-Nitroaniline	0.67U	ug/L	3.9	0.67	1	12/04/13 07:30	12/08/13 13:08	100-01-6	
Nitrobenzene	1.1U	ug/L	3.9	1.1	1	12/04/13 07:30	12/08/13 13:08	98-95-3	
2-Nitrophenol	0.78U	ug/L	4.8	0.78	1	12/04/13 07:30	12/08/13 13:08	88-75-5	
4-Nitrophenol	1.0U	ug/L	19.3	1.0	1	12/04/13 07:30	12/08/13 13:08	100-02-7	
5-Nitro-o-toluidine	0.35U	ug/L	4.8	0.35	1	12/04/13 07:30	12/08/13 13:08	99-55-8	
N-Nitrosodiethylamine	0.36U	ug/L	3.9	0.36	1	12/04/13 07:30	12/08/13 13:08	55-18-5	
N-Nitrosodimethylamine	0.94U	ug/L	1.9	0.94	1	12/04/13 07:30	12/08/13 13:08	62-75-9	
N-Nitroso-di-n-butylamine	1.1U	ug/L	3.9	1.1	1	12/04/13 07:30	12/08/13 13:08	924-16-3	
N-Nitroso-di-n-propylamine	0.91U	ug/L	3.9	0.91	1	12/04/13 07:30	12/08/13 13:08	621-64-7	
N-Nitrosodiphenylamine	0.48U	ug/L	4.8	0.48	1	12/04/13 07:30	12/08/13 13:08	86-30-6	
N-Nitrosomethylethylamine	0.46U	ug/L	4.8	0.46	1	12/04/13 07:30	12/08/13 13:08	10595-95-6	
N-Nitrosopiperidine	0.35U	ug/L	4.8	0.35	1	12/04/13 07:30	12/08/13 13:08	100-75-4	
N-Nitrosopyrrolidine	0.31U	ug/L	4.8	0.31	1	12/04/13 07:30	12/08/13 13:08	930-55-2	
O,O,O-Triethylphosphorothioate	0.11U	ug/L	4.8	0.11	1	12/04/13 07:30	12/08/13 13:08	126-68-1	
Pentachlorobenzene	0.25U	ug/L	4.8	0.25	1	12/04/13 07:30	12/08/13 13:08	608-93-5	
Phenacetin	0.15U	ug/L	4.8	0.15	1	12/04/13 07:30	12/08/13 13:08	62-44-2	
Phenanthrene	0.50U	ug/L	4.8	0.50	1	12/04/13 07:30	12/08/13 13:08	85-01-8	
Phenol	0.52U	ug/L	4.8	0.52	1	12/04/13 07:30	12/08/13 13:08	108-95-2	
p-Phenylenediamine	9.6U	ug/L	19.3	9.6	1	12/04/13 07:30	12/08/13 13:08	106-50-3	N2
Pronamide	0.31U	ug/L	4.8	0.31	1	12/04/13 07:30	12/08/13 13:08	23950-58-5	
Pyrene	0.66U	ug/L	4.8	0.66	1	12/04/13 07:30	12/08/13 13:08	129-00-0	
Safrole	0.17U	ug/L	4.8	0.17	1	12/04/13 07:30	12/08/13 13:08	94-59-7	
1,2,4,5-Tetrachlorobenzene	0.68U	ug/L	4.8	0.68	1	12/04/13 07:30	12/08/13 13:08	95-94-3	
2,3,4,6-Tetrachlorophenol	3.7U	ug/L	4.8	3.7	1	12/04/13 07:30	12/08/13 13:08	58-90-2	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

**Sample: Equip. Blank (11/27/13)**    **Lab ID: 35117541001**    Collected: 11/27/13 09:03    Received: 11/27/13 14:40    Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV SemiVOA App. II</b> Analytical Method: EPA 8270    Preparation Method: EPA 3510									
Thionazin	0.34U	ug/L	4.8	0.34	1	12/04/13 07:30	12/08/13 13:08	297-97-2	
O-Toluidine	0.28U	ug/L	4.8	0.28	1	12/04/13 07:30	12/08/13 13:08	95-53-4	
2,4,5-Trichlorophenol	0.50U	ug/L	3.9	0.50	1	12/04/13 07:30	12/08/13 13:08	95-95-4	
2,4,6-Trichlorophenol	0.67U	ug/L	1.9	0.67	1	12/04/13 07:30	12/08/13 13:08	88-06-2	
1,3,5-Trinitrobenzene	1.2U	ug/L	4.8	1.2	1	12/04/13 07:30	12/08/13 13:08	99-35-4	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	49	%	22-120		1	12/04/13 07:30	12/08/13 13:08	4165-60-0	
2-Fluorobiphenyl (S)	59	%	34-120		1	12/04/13 07:30	12/08/13 13:08	321-60-8	
Terphenyl-d14 (S)	73	%	39-138		1	12/04/13 07:30	12/08/13 13:08	1718-51-0	
Phenol-d6 (S)	11	%	10-120		1	12/04/13 07:30	12/08/13 13:08	13127-88-3	
2-Fluorophenol (S)	14	%	10-120		1	12/04/13 07:30	12/08/13 13:08	367-12-4	
2,4,6-Tribromophenol (S)	71	%	35-146		1	12/04/13 07:30	12/08/13 13:08	118-79-6	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		12/07/13 11:52	67-64-1	L3
Acetonitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 11:52	75-05-8	
Acrolein	10.0U	ug/L	20.0	10.0	1		12/07/13 11:52	107-02-8	L3
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 11:52	107-13-1	L3
Allyl chloride	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	107-05-1	
Benzene	0.10U	ug/L	1.0	0.10	1		12/07/13 11:52	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		12/07/13 11:52	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		12/07/13 11:52	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		12/07/13 11:52	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		12/07/13 11:52	74-87-3	
Chloroprene	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	126-99-8	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		12/07/13 11:52	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	74-95-3	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		12/07/13 11:52	110-57-6	
Dichlorodifluoromethane	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	75-71-8	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	78-87-5	
1,3-Dichloropropane	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	142-28-9	
2,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	594-20-7	
1,1-Dichloropropene	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	563-58-6	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		12/07/13 11:52	10061-01-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

**Sample: Equip. Blank (11/27/13)**    **Lab ID: 35117541001**    Collected: 11/27/13 09:03    Received: 11/27/13 14:40    Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		12/07/13 11:52	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	100-41-4	
Ethyl methacrylate	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	97-63-2	
Hexachloro-1,3-butadiene	0.40U	ug/L	1.0	0.40	1		12/07/13 11:52	87-68-3	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		12/07/13 11:52	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	74-88-4	
Isobutyl Alcohol	10.0U	ug/L	20.0	10.0	1		12/07/13 11:52	78-83-1	
Methacrylonitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 11:52	126-98-7	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		12/07/13 11:52	75-09-2	
Methyl methacrylate	5.0U	ug/L	10.0	5.0	1		12/07/13 11:52	80-62-6	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		12/07/13 11:52	108-10-1	
Propionitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 11:52	107-12-0	
Styrene	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		12/07/13 11:52	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	108-88-3	
1,2,4-Trichlorobenzene	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	120-82-1	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		12/07/13 11:52	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		12/07/13 11:52	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		12/07/13 11:52	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98 %		70-114		1		12/07/13 11:52	460-00-4	
1,2-Dichloroethane-d4 (S)	99 %		86-125		1		12/07/13 11:52	17060-07-0	
Toluene-d8 (S)	100 %		87-113		1		12/07/13 11:52	2037-26-5	
<b>2540C Total Dissolved Solids</b> Analytical Method: SM 2540C									
Total Dissolved Solids	5.0U	mg/L	5.0	5.0	1		12/03/13 11:45		
<b>9034 Sulfide Water</b> Analytical Method: EPA 9034									
Sulfide	1.0	mg/L	1.0	1.0	1		12/03/13 15:38	18496-25-8	
<b>300.0 IC Anions</b> Analytical Method: EPA 300.0									
Nitrate as N	0.043U	mg/L	0.050	0.043	1		11/28/13 16:35	14797-55-8	
<b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0									
Chloride	2.5U	mg/L	5.0	2.5	1		11/28/13 16:35	16887-00-6	
<b>350.1 Ammonia</b> Analytical Method: EPA 350.1									
Nitrogen, Ammonia	0.020U	mg/L	0.050	0.020	1		12/06/13 12:18	7664-41-7	

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

<b>Sample: Equip. Blank (11/27/13)</b>		<b>Lab ID: 35117541001</b>	Collected: 11/27/13 09:03	Received: 11/27/13 14:40	Matrix: Water				
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>9012 Cyanide, Total</b>		Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	<b>0.0020U</b>	mg/L	0.010	0.0020	1	12/12/13 18:30	12/13/13 15:17	57-12-5	Q

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

Sample: B85-F		Lab ID: 35117541002		Collected: 11/27/13 10:23		Received: 11/27/13 14:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method:									
Field pH	6.94	Std. Units			1		11/27/13 10:23		
Field Temperature	21.70	deg C			1		11/27/13 10:23		
Appearance	Color: none, Sheen: none				1		11/27/13 10:23		
Field Specific Conductance	751	umhos/cm			1		11/27/13 10:23		
Oxygen, Dissolved	0.25	mg/L			1		11/27/13 10:23	7782-44-7	
REDOX	-129.6	mV			1		11/27/13 10:23		
Turbidity	0.01	NTU			1		11/27/13 10:23		
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0049U	ug/L	0.020	0.0049	1	12/04/13 15:00	12/05/13 01:55	96-12-8	
1,2-Dibromoethane (EDB)	0.0062U	ug/L	0.010	0.0062	1	12/04/13 15:00	12/05/13 01:55	106-93-4	
<b>8081 GCS Pesticides</b>									
Analytical Method: EPA 8081 Preparation Method: EPA 3510									
Aldrin	0.00047U	ug/L	0.0094	0.00047	1	12/01/13 16:00	12/03/13 17:54	309-00-2	
alpha-BHC	0.00028U	ug/L	0.0094	0.00028	1	12/01/13 16:00	12/03/13 17:54	319-84-6	
beta-BHC	0.00047U	ug/L	0.0094	0.00047	1	12/01/13 16:00	12/03/13 17:54	319-85-7	
delta-BHC	0.00038U	ug/L	0.0094	0.00038	1	12/01/13 16:00	12/03/13 17:54	319-86-8	
gamma-BHC (Lindane)	0.00019U	ug/L	0.0094	0.00019	1	12/01/13 16:00	12/03/13 17:54	58-89-9	
Chlordane (Technical)	0.076U	ug/L	0.47	0.076	1	12/01/13 16:00	12/03/13 17:54	57-74-9	
Chlorobenzilate	0.020U	ug/L	0.094	0.020	1	12/01/13 16:00	12/03/13 17:54	510-15-6	
4,4'-DDD	0.0018U	ug/L	0.0094	0.0018	1	12/01/13 16:00	12/03/13 17:54	72-54-8	
4,4'-DDE	0.00085U	ug/L	0.0094	0.00085	1	12/01/13 16:00	12/03/13 17:54	72-55-9	
4,4'-DDT	0.0034U	ug/L	0.0094	0.0034	1	12/01/13 16:00	12/03/13 17:54	50-29-3	
Dieldrin	0.00047U	ug/L	0.0094	0.00047	1	12/01/13 16:00	12/03/13 17:54	60-57-1	
Endosulfan I	0.00066U	ug/L	0.0094	0.00066	1	12/01/13 16:00	12/03/13 17:54	959-98-8	
Endosulfan II	0.0014 U	ug/L	0.0094	0.00066	1	12/01/13 16:00	12/03/13 17:54	33213-65-9	
Endosulfan sulfate	0.00057U	ug/L	0.0094	0.00057	1	12/01/13 16:00	12/03/13 17:54	1031-07-8	
Endrin	0.0016U	ug/L	0.0094	0.0016	1	12/01/13 16:00	12/03/13 17:54	72-20-8	
Endrin aldehyde	0.0067U	ug/L	0.0094	0.0067	1	12/01/13 16:00	12/03/13 17:54	7421-93-4	
Heptachlor	0.0014U	ug/L	0.0094	0.0014	1	12/01/13 16:00	12/03/13 17:54	76-44-8	
Heptachlor epoxide	0.00038U	ug/L	0.0094	0.00038	1	12/01/13 16:00	12/03/13 17:54	1024-57-3	
Kepone	0.17U	ug/L	9.4	0.17	1	12/01/13 16:00	12/03/13 17:54	143-50-0	
Methoxychlor	0.0066U	ug/L	0.0094	0.0066	1	12/01/13 16:00	12/03/13 17:54	72-43-5	
Pentachloronitrobenzene	0.014U	ug/L	0.094	0.014	1	12/01/13 16:00	12/03/13 17:54	82-68-8	
Toxaphene	0.27U	ug/L	0.47	0.27	1	12/01/13 16:00	12/03/13 17:54	8001-35-2	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	76 %		66.5-120.3		1	12/01/13 16:00	12/03/13 17:54	877-09-8	
Decachlorobiphenyl (S)	57 %		41.7-109.1		1	12/01/13 16:00	12/03/13 17:54	2051-24-3	
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082 Preparation Method: EPA 3510									
PCB-1016 (Aroclor 1016)	0.076U	ug/L	0.47	0.076	1	12/01/13 16:00	12/03/13 17:56	12674-11-2	
PCB-1221 (Aroclor 1221)	0.077U	ug/L	0.47	0.077	1	12/01/13 16:00	12/03/13 17:56	11104-28-2	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

Sample: B85-F		Lab ID: 35117541002		Collected: 11/27/13 10:23		Received: 11/27/13 14:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB</b> Analytical Method: EPA 8082 Preparation Method: EPA 3510									
PCB-1232 (Aroclor 1232)	0.11U	ug/L	0.47	0.11	1	12/01/13 16:00	12/03/13 17:56	11141-16-5	
PCB-1242 (Aroclor 1242)	0.12U	ug/L	0.47	0.12	1	12/01/13 16:00	12/03/13 17:56	53469-21-9	
PCB-1248 (Aroclor 1248)	0.26U	ug/L	0.47	0.26	1	12/01/13 16:00	12/03/13 17:56	12672-29-6	
PCB-1254 (Aroclor 1254)	0.14U	ug/L	0.47	0.14	1	12/01/13 16:00	12/03/13 17:56	11097-69-1	
PCB-1260 (Aroclor 1260)	0.10U	ug/L	0.47	0.10	1	12/01/13 16:00	12/03/13 17:56	11096-82-5	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	77 %		48-111		1	12/01/13 16:00	12/03/13 17:56	877-09-8	
Decachlorobiphenyl (S)	67 %		63-121		1	12/01/13 16:00	12/03/13 17:56	2051-24-3	
<b>8141 GCS O/P Pesticides</b> Analytical Method: EPA 8141 Preparation Method: EPA 3510									
Dimethoate	0.23U	ug/L	0.48	0.23	1	12/03/13 09:00	12/03/13 14:02	60-51-5	
Disulfoton	0.25U	ug/L	0.48	0.25	1	12/03/13 09:00	12/03/13 14:02	298-04-4	
Famphur	0.28U	ug/L	0.48	0.28	1	12/03/13 09:00	12/03/13 14:02	52-85-7	
Methyl parathion	0.26U	ug/L	0.48	0.26	1	12/03/13 09:00	12/03/13 14:02	298-00-0	
Parathion (Ethyl parathion)	0.45U	ug/L	0.97	0.45	1	12/03/13 09:00	12/03/13 14:02	56-38-2	L3
Phorate	0.40U	ug/L	0.97	0.40	1	12/03/13 09:00	12/03/13 14:02	298-02-2	L3
<b>Surrogates</b>									
4-Chloro3nitrobenzotrifluoride	68 %		34.2-122		1	12/03/13 09:00	12/03/13 14:02		
<b>8151 Chlorinated Herbicides</b> Analytical Method: EPA 8151 Preparation Method: EPA 8151									
2,4-D	0.21U	ug/L	0.90	0.21	1	12/02/13 08:05	12/03/13 22:24	94-75-7	
Dinoseb	0.054U	ug/L	0.18	0.054	1	12/02/13 08:05	12/03/13 22:24	88-85-7	
Pentachlorophenol	0.016U	ug/L	0.027	0.016	1	12/02/13 08:05	12/03/13 22:24	87-86-5	
2,4,5-T	0.040U	ug/L	0.18	0.040	1	12/02/13 08:05	12/03/13 22:24	93-76-5	
2,4,5-TP (Silvex)	0.047U	ug/L	0.18	0.047	1	12/02/13 08:05	12/03/13 22:24	93-72-1	
<b>Surrogates</b>									
2,4-DCAA (S)	115 %		42-142		1	12/02/13 08:05	12/03/13 22:24	19719-28-9	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:09	7440-38-2	
Barium	21.4	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:09	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 17:09	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 17:09	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:09	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:09	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:09	7440-50-8	
Iron	1360	ug/L	40.0	20.0	1	12/02/13 13:02	12/03/13 17:09	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:09	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:09	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	12/02/13 13:02	12/03/13 17:09	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:09	7440-22-4	
Sodium	36.0	mg/L	1.0	0.50	1	12/02/13 13:02	12/03/13 17:09	7440-23-5	
Tin	25.0U	ug/L	50.0	25.0	1	12/02/13 13:02	12/03/13 17:09	7440-31-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:09	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	12/02/13 13:02	12/03/13 17:09	7440-66-6	

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

Sample: B85-F		Lab ID: 35117541002	Collected: 11/27/13 10:23	Received: 11/27/13 14:40	Matrix: Water				
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 15:03	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 15:03	7440-28-0	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	0.10U	ug/L	0.20	0.10	1	12/03/13 10:45	12/04/13 10:23	7439-97-6	
<b>8270 MSSV SemiVOA App. II</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	0.82U	ug/L	4.7	0.82	1	12/04/13 07:30	12/05/13 03:10	83-32-9	
Acenaphthylene	0.90U	ug/L	4.7	0.90	1	12/04/13 07:30	12/05/13 03:10	208-96-8	
Acetophenone	1.4U	ug/L	4.7	1.4	1	12/04/13 07:30	12/05/13 03:10	98-86-2	
2-Acetylaminofluorene	2.3U	ug/L	4.7	2.3	1	12/04/13 07:30	12/05/13 03:10	53-96-3	
4-Aminobiphenyl	0.33U	ug/L	4.7	0.33	1	12/04/13 07:30	12/05/13 03:10	92-67-1	
Anthracene	0.57U	ug/L	4.7	0.57	1	12/04/13 07:30	12/05/13 03:10	120-12-7	
Benzo(a)anthracene	0.60U	ug/L	4.7	0.60	1	12/04/13 07:30	12/05/13 03:10	56-55-3	
Benzo(a)pyrene	0.55U	ug/L	0.95	0.55	1	12/04/13 07:30	12/05/13 03:10	50-32-8	
Benzo(b)fluoranthene	0.59U	ug/L	1.9	0.59	1	12/04/13 07:30	12/05/13 03:10	205-99-2	
Benzo(g,h,i)perylene	0.64U	ug/L	4.7	0.64	1	12/04/13 07:30	12/05/13 03:10	191-24-2	
Benzo(k)fluoranthene	0.48U	ug/L	3.8	0.48	1	12/04/13 07:30	12/05/13 03:10	207-08-9	
Benzyl alcohol	0.27U	ug/L	4.7	0.27	1	12/04/13 07:30	12/05/13 03:10	100-51-6	
4-Bromophenylphenyl ether	0.63U	ug/L	4.7	0.63	1	12/04/13 07:30	12/05/13 03:10	101-55-3	
Butylbenzylphthalate	0.68U	ug/L	4.7	0.68	1	12/04/13 07:30	12/05/13 03:10	85-68-7	
4-Chloro-3-methylphenol	0.59U	ug/L	19.0	0.59	1	12/04/13 07:30	12/05/13 03:10	59-50-7	
4-Chloroaniline	1.1U	ug/L	4.7	1.1	1	12/04/13 07:30	12/05/13 03:10	106-47-8	
bis(2-Chloroethoxy)methane	2.8U	ug/L	4.7	2.8	1	12/04/13 07:30	12/05/13 03:10	111-91-1	
bis(2-Chloroethyl) ether	0.71U	ug/L	3.8	0.71	1	12/04/13 07:30	12/05/13 03:10	111-44-4	
bis(2-Chloroisopropyl) ether	0.69U	ug/L	4.7	0.69	1	12/04/13 07:30	12/05/13 03:10	108-60-1	
2-Chloronaphthalene	0.76U	ug/L	4.7	0.76	1	12/04/13 07:30	12/05/13 03:10	91-58-7	
2-Chlorophenol	0.64U	ug/L	4.7	0.64	1	12/04/13 07:30	12/05/13 03:10	95-57-8	
4-Chlorophenylphenyl ether	0.60U	ug/L	4.7	0.60	1	12/04/13 07:30	12/05/13 03:10	7005-72-3	
Chrysene	0.35U	ug/L	4.7	0.35	1	12/04/13 07:30	12/05/13 03:10	218-01-9	
Diallylate	0.31U	ug/L	4.7	0.31	1	12/04/13 07:30	12/05/13 03:10	2303-16-4	
Dibenz(a,h)anthracene	0.62U	ug/L	1.9	0.62	1	12/04/13 07:30	12/05/13 03:10	53-70-3	
Dibenzofuran	0.63U	ug/L	4.7	0.63	1	12/04/13 07:30	12/05/13 03:10	132-64-9	
1,2-Dichlorobenzene	0.64U	ug/L	4.7	0.64	1	12/04/13 07:30	12/05/13 03:10	95-50-1	
1,3-Dichlorobenzene	0.72U	ug/L	4.7	0.72	1	12/04/13 07:30	12/05/13 03:10	541-73-1	
1,4-Dichlorobenzene	0.73U	ug/L	4.7	0.73	1	12/04/13 07:30	12/05/13 03:10	106-46-7	
3,3'-Dichlorobenzidine	0.65U	ug/L	9.5	0.65	1	12/04/13 07:30	12/05/13 03:10	91-94-1	
2,4-Dichlorophenol	0.53U	ug/L	1.9	0.53	1	12/04/13 07:30	12/05/13 03:10	120-83-2	
2,6-Dichlorophenol	0.36U	ug/L	3.8	0.36	1	12/04/13 07:30	12/05/13 03:10	87-65-0	
Diethylphthalate	0.48U	ug/L	4.7	0.48	1	12/04/13 07:30	12/05/13 03:10	84-66-2	
P-Dimethylaminoazobenzene	0.29U	ug/L	4.7	0.29	1	12/04/13 07:30	12/05/13 03:10	60-11-7	N2
7,12-Dimethylbenz(a)anthracene	0.63U	ug/L	4.7	0.63	1	12/04/13 07:30	12/05/13 03:10	57-97-6	
3,3'-Dimethylbenzidine	0.58U	ug/L	9.5	0.58	1	12/04/13 07:30	12/05/13 03:10	119-93-7	
2,4-Dimethylphenol	1.5U	ug/L	4.7	1.5	1	12/04/13 07:30	12/05/13 03:10	105-67-9	
a,a-Dimethylphenylethylamine	9.5U	ug/L	19.0	9.5	1	12/04/13 07:30	12/05/13 03:10	122-09-8	
Dimethylphthalate	0.61U	ug/L	4.7	0.61	1	12/04/13 07:30	12/05/13 03:10	131-11-3	

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

**Sample: B85-F**      **Lab ID: 35117541002**      Collected: 11/27/13 10:23      Received: 11/27/13 14:40      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV SemiVOA App. II</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Di-n-butylphthalate	1.2 I	ug/L	4.7	0.39	1	12/04/13 07:30	12/05/13 03:10	84-74-2	
4,6-Dinitro-2-methylphenol	1.3U	ug/L	19.0	1.3	1	12/04/13 07:30	12/05/13 03:10	534-52-1	N2
1,3-Dinitrobenzene	0.28U	ug/L	7.6	0.28	1	12/04/13 07:30	12/05/13 03:10	99-65-0	
2,4-Dinitrophenol	1.5U	ug/L	19.0	1.5	1	12/04/13 07:30	12/05/13 03:10	51-28-5	
2,4-Dinitrotoluene	0.50U	ug/L	1.9	0.50	1	12/04/13 07:30	12/05/13 03:10	121-14-2	
2,6-Dinitrotoluene	1.2U	ug/L	1.9	1.2	1	12/04/13 07:30	12/05/13 03:10	606-20-2	N2
Di-n-octylphthalate	0.85U	ug/L	4.7	0.85	1	12/04/13 07:30	12/05/13 03:10	117-84-0	
bis(2-Ethylhexyl)phthalate	0.76U	ug/L	4.7	0.76	1	12/04/13 07:30	12/05/13 03:10	117-81-7	
Ethyl methanesulfonate	0.36U	ug/L	4.7	0.36	1	12/04/13 07:30	12/05/13 03:10	62-50-0	
Fluoranthene	0.51U	ug/L	4.7	0.51	1	12/04/13 07:30	12/05/13 03:10	206-44-0	
Fluorene	0.53U	ug/L	4.7	0.53	1	12/04/13 07:30	12/05/13 03:10	86-73-7	
Hexachlorobenzene	0.76U	ug/L	0.95	0.76	1	12/04/13 07:30	12/05/13 03:10	118-74-1	
Hexachlorocyclopentadiene	1.2U	ug/L	4.7	1.2	1	12/04/13 07:30	12/05/13 03:10	77-47-4	
Hexachloroethane	0.67U	ug/L	4.7	0.67	1	12/04/13 07:30	12/05/13 03:10	67-72-1	
Hexachloropropene	0.36U	ug/L	4.7	0.36	1	12/04/13 07:30	12/05/13 03:10	1888-71-7	
Indeno(1,2,3-cd)pyrene	0.69U	ug/L	1.9	0.69	1	12/04/13 07:30	12/05/13 03:10	193-39-5	
Isodrin	0.29U	ug/L	4.7	0.29	1	12/04/13 07:30	12/05/13 03:10	465-73-6	
Isophorone	0.69U	ug/L	4.7	0.69	1	12/04/13 07:30	12/05/13 03:10	78-59-1	
Isosafrole	0.27U	ug/L	4.7	0.27	1	12/04/13 07:30	12/05/13 03:10	120-58-1	
Methapyrilene	0.94U	ug/L	4.7	0.94	1	12/04/13 07:30	12/05/13 03:10	91-80-5	
3-Methylcholanthrene	0.27U	ug/L	4.7	0.27	1	12/04/13 07:30	12/05/13 03:10	56-49-5	
Methyl methanesulfonate	0.10U	ug/L	4.7	0.10	1	12/04/13 07:30	12/05/13 03:10	66-27-3	
2-Methylnaphthalene	0.94U	ug/L	4.7	0.94	1	12/04/13 07:30	12/05/13 03:10	91-57-6	
2-Methylphenol(o-Cresol)	0.69U	ug/L	4.7	0.69	1	12/04/13 07:30	12/05/13 03:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	0.63U	ug/L	9.5	0.63	1	12/04/13 07:30	12/05/13 03:10		
1-Naphthylamine	0.63U	ug/L	4.7	0.63	1	12/04/13 07:30	12/05/13 03:10	134-32-7	
2-Naphthylamine	0.65U	ug/L	4.7	0.65	1	12/04/13 07:30	12/05/13 03:10	91-59-8	
Naphthalene	0.74U	ug/L	4.7	0.74	1	12/04/13 07:30	12/05/13 03:10	91-20-3	
1,4-Naphthoquinone	0.29U	ug/L	4.7	0.29	1	12/04/13 07:30	12/05/13 03:10	130-15-4	
2-Nitroaniline	0.57U	ug/L	4.7	0.57	1	12/04/13 07:30	12/05/13 03:10	88-74-4	
3-Nitroaniline	0.94U	ug/L	4.7	0.94	1	12/04/13 07:30	12/05/13 03:10	99-09-2	
4-Nitroaniline	0.65U	ug/L	3.8	0.65	1	12/04/13 07:30	12/05/13 03:10	100-01-6	
Nitrobenzene	1.0U	ug/L	3.8	1.0	1	12/04/13 07:30	12/05/13 03:10	98-95-3	
2-Nitrophenol	0.77U	ug/L	4.7	0.77	1	12/04/13 07:30	12/05/13 03:10	88-75-5	
4-Nitrophenol	1.0U	ug/L	19.0	1.0	1	12/04/13 07:30	12/05/13 03:10	100-02-7	
5-Nitro-o-toluidine	0.35U	ug/L	4.7	0.35	1	12/04/13 07:30	12/05/13 03:10	99-55-8	
N-Nitrosodiethylamine	0.36U	ug/L	3.8	0.36	1	12/04/13 07:30	12/05/13 03:10	55-18-5	
N-Nitrosodimethylamine	0.92U	ug/L	1.9	0.92	1	12/04/13 07:30	12/05/13 03:10	62-75-9	
N-Nitroso-di-n-butylamine	1.1U	ug/L	3.8	1.1	1	12/04/13 07:30	12/05/13 03:10	924-16-3	
N-Nitroso-di-n-propylamine	0.89U	ug/L	3.8	0.89	1	12/04/13 07:30	12/05/13 03:10	621-64-7	
N-Nitrosodiphenylamine	0.47U	ug/L	4.7	0.47	1	12/04/13 07:30	12/05/13 03:10	86-30-6	
N-Nitrosomethylethylamine	0.46U	ug/L	4.7	0.46	1	12/04/13 07:30	12/05/13 03:10	10595-95-6	
N-Nitrosopiperidine	0.34U	ug/L	4.7	0.34	1	12/04/13 07:30	12/05/13 03:10	100-75-4	
N-Nitrosopyrrolidine	0.30U	ug/L	4.7	0.30	1	12/04/13 07:30	12/05/13 03:10	930-55-2	
O,O,O-Triethylphosphorothioate	0.11U	ug/L	4.7	0.11	1	12/04/13 07:30	12/05/13 03:10	126-68-1	
Pentachlorobenzene	0.25U	ug/L	4.7	0.25	1	12/04/13 07:30	12/05/13 03:10	608-93-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

**Sample: B85-F**      **Lab ID: 35117541002**      Collected: 11/27/13 10:23      Received: 11/27/13 14:40      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV SemiVOA App. II</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Phenacetin	0.15U	ug/L	4.7	0.15	1	12/04/13 07:30	12/05/13 03:10	62-44-2	
Phenanthrene	0.49U	ug/L	4.7	0.49	1	12/04/13 07:30	12/05/13 03:10	85-01-8	
Phenol	0.51U	ug/L	4.7	0.51	1	12/04/13 07:30	12/05/13 03:10	108-95-2	
p-Phenylenediamine	9.5U	ug/L	19.0	9.5	1	12/04/13 07:30	12/05/13 03:10	106-50-3	N2
Pronamide	0.31U	ug/L	4.7	0.31	1	12/04/13 07:30	12/05/13 03:10	23950-58-5	
Pyrene	0.64U	ug/L	4.7	0.64	1	12/04/13 07:30	12/05/13 03:10	129-00-0	
Safrole	0.17U	ug/L	4.7	0.17	1	12/04/13 07:30	12/05/13 03:10	94-59-7	
1,2,4,5-Tetrachlorobenzene	0.66U	ug/L	4.7	0.66	1	12/04/13 07:30	12/05/13 03:10	95-94-3	
2,3,4,6-Tetrachlorophenol	3.6U	ug/L	4.7	3.6	1	12/04/13 07:30	12/05/13 03:10	58-90-2	
Thionazin	0.34U	ug/L	4.7	0.34	1	12/04/13 07:30	12/05/13 03:10	297-97-2	
O-Toluidine	0.27U	ug/L	4.7	0.27	1	12/04/13 07:30	12/05/13 03:10	95-53-4	
2,4,5-Trichlorophenol	0.49U	ug/L	3.8	0.49	1	12/04/13 07:30	12/05/13 03:10	95-95-4	
2,4,6-Trichlorophenol	0.65U	ug/L	1.9	0.65	1	12/04/13 07:30	12/05/13 03:10	88-06-2	
1,3,5-Trinitrobenzene	1.2U	ug/L	4.7	1.2	1	12/04/13 07:30	12/05/13 03:10	99-35-4	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	48 %		22-120		1	12/04/13 07:30	12/05/13 03:10	4165-60-0	
2-Fluorobiphenyl (S)	62 %		34-120		1	12/04/13 07:30	12/05/13 03:10	321-60-8	
Terphenyl-d14 (S)	59 %		39-138		1	12/04/13 07:30	12/05/13 03:10	1718-51-0	
Phenol-d6 (S)	11 %		10-120		1	12/04/13 07:30	12/05/13 03:10	13127-88-3	
2-Fluorophenol (S)	15 %		10-120		1	12/04/13 07:30	12/05/13 03:10	367-12-4	
2,4,6-Tribromophenol (S)	74 %		35-146		1	12/04/13 07:30	12/05/13 03:10	118-79-6	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		12/07/13 15:34	67-64-1	L3
Acetonitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 15:34	75-05-8	
Acrolein	10.0U	ug/L	20.0	10.0	1		12/07/13 15:34	107-02-8	L3
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 15:34	107-13-1	L3
Allyl chloride	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	107-05-1	
Benzene	0.10U	ug/L	1.0	0.10	1		12/07/13 15:34	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		12/07/13 15:34	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		12/07/13 15:34	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		12/07/13 15:34	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		12/07/13 15:34	74-87-3	
Chloroprene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	126-99-8	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		12/07/13 15:34	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	74-95-3	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		12/07/13 15:34	110-57-6	
Dichlorodifluoromethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	75-71-8	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	75-34-3	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

**Sample: B85-F**      **Lab ID: 35117541002**      Collected: 11/27/13 10:23      Received: 11/27/13 14:40      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	78-87-5	
1,3-Dichloropropane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	142-28-9	
2,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	594-20-7	
1,1-Dichloropropene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	563-58-6	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		12/07/13 15:34	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		12/07/13 15:34	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	100-41-4	
Ethyl methacrylate	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	97-63-2	
Hexachloro-1,3-butadiene	0.40U	ug/L	1.0	0.40	1		12/07/13 15:34	87-68-3	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		12/07/13 15:34	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	74-88-4	
Isobutyl Alcohol	10.0U	ug/L	20.0	10.0	1		12/07/13 15:34	78-83-1	
Methacrylonitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 15:34	126-98-7	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		12/07/13 15:34	75-09-2	
Methyl methacrylate	5.0U	ug/L	10.0	5.0	1		12/07/13 15:34	80-62-6	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		12/07/13 15:34	108-10-1	
Propionitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 15:34	107-12-0	
Styrene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		12/07/13 15:34	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	108-88-3	
1,2,4-Trichlorobenzene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	120-82-1	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		12/07/13 15:34	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		12/07/13 15:34	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		12/07/13 15:34	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96 %		70-114		1		12/07/13 15:34	460-00-4	
1,2-Dichloroethane-d4 (S)	97 %		86-125		1		12/07/13 15:34	17060-07-0	
Toluene-d8 (S)	99 %		87-113		1		12/07/13 15:34	2037-26-5	

**2540C Total Dissolved Solids**      Analytical Method: SM 2540C

Total Dissolved Solids	482	mg/L	5.0	5.0	1		12/03/13 11:45		
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**9034 Sulfide Water**      Analytical Method: EPA 9034

Sulfide	1.3	mg/L	1.0	1.0	1		12/03/13 15:38	18496-25-8	
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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

Sample: B85-F		Lab ID: 35117541002		Collected: 11/27/13 10:23		Received: 11/27/13 14:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>	Analytical Method: EPA 300.0								
Nitrate as N	<b>0.043U</b>	mg/L	0.050	0.043	1		11/28/13 17:36	14797-55-8	
<b>300.0 IC Anions 28 Days</b>	Analytical Method: EPA 300.0								
Chloride	<b>61.6</b>	mg/L	5.0	2.5	1		11/28/13 17:36	16887-00-6	
<b>350.1 Ammonia</b>	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	<b>0.30</b>	mg/L	0.050	0.020	1		12/06/13 12:19	7664-41-7	
<b>9012 Cyanide, Total</b>	Analytical Method: EPA 9012 Preparation Method: EPA 9012								
Cyanide	<b>0.0020U</b>	mg/L	0.010	0.0020	1	12/12/13 18:30	12/13/13 15:20	57-12-5	Q

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

Sample: B85-6		Lab ID: 35117541003		Collected: 11/27/13 11:12		Received: 11/27/13 14:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method:									
Field pH	6.70	Std. Units			1		11/27/13 11:12		
Field Temperature	22.60	deg C			1		11/27/13 11:12		
Appearance	Color: none, Sheen: none				1		11/27/13 11:12		
Field Specific Conductance	1820	umhos/cm			1		11/27/13 11:12		
Oxygen, Dissolved	0.20	mg/L			1		11/27/13 11:12	7782-44-7	
REDOX	-96.7	mV			1		11/27/13 11:12		
Turbidity	13.50	NTU			1		11/27/13 11:12		
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0052U	ug/L	0.021	0.0052	1	12/04/13 15:00	12/05/13 02:10	96-12-8	
1,2-Dibromoethane (EDB)	0.0066U	ug/L	0.011	0.0066	1	12/04/13 15:00	12/05/13 02:10	106-93-4	
<b>8081 GCS Pesticides</b>									
Analytical Method: EPA 8081 Preparation Method: EPA 3510									
Aldrin	0.00048U	ug/L	0.0096	0.00048	1	12/01/13 16:00	12/03/13 17:35	309-00-2	
alpha-BHC	0.00029U	ug/L	0.0096	0.00029	1	12/01/13 16:00	12/03/13 17:35	319-84-6	
beta-BHC	0.00048U	ug/L	0.0096	0.00048	1	12/01/13 16:00	12/03/13 17:35	319-85-7	
delta-BHC	0.00038U	ug/L	0.0096	0.00038	1	12/01/13 16:00	12/03/13 17:35	319-86-8	
gamma-BHC (Lindane)	0.00019U	ug/L	0.0096	0.00019	1	12/01/13 16:00	12/03/13 17:35	58-89-9	
Chlordane (Technical)	0.077U	ug/L	0.48	0.077	1	12/01/13 16:00	12/03/13 17:35	57-74-9	
Chlorobenzilate	0.020U	ug/L	0.096	0.020	1	12/01/13 16:00	12/03/13 17:35	510-15-6	
4,4'-DDD	0.0018U	ug/L	0.0096	0.0018	1	12/01/13 16:00	12/03/13 17:35	72-54-8	
4,4'-DDE	0.00087U	ug/L	0.0096	0.00087	1	12/01/13 16:00	12/03/13 17:35	72-55-9	
4,4'-DDT	0.0035U	ug/L	0.0096	0.0035	1	12/01/13 16:00	12/03/13 17:35	50-29-3	
Dieldrin	0.00048U	ug/L	0.0096	0.00048	1	12/01/13 16:00	12/03/13 17:35	60-57-1	
Endosulfan I	0.00067U	ug/L	0.0096	0.00067	1	12/01/13 16:00	12/03/13 17:35	959-98-8	
Endosulfan II	0.00067U	ug/L	0.0096	0.00067	1	12/01/13 16:00	12/03/13 17:35	33213-65-9	
Endosulfan sulfate	0.00058U	ug/L	0.0096	0.00058	1	12/01/13 16:00	12/03/13 17:35	1031-07-8	
Endrin	0.0037 U	ug/L	0.0096	0.0016	1	12/01/13 16:00	12/03/13 17:35	72-20-8	
Endrin aldehyde	0.0068U	ug/L	0.0096	0.0068	1	12/01/13 16:00	12/03/13 17:35	7421-93-4	
Heptachlor	0.0014U	ug/L	0.0096	0.0014	1	12/01/13 16:00	12/03/13 17:35	76-44-8	
Heptachlor epoxide	0.00038U	ug/L	0.0096	0.00038	1	12/01/13 16:00	12/03/13 17:35	1024-57-3	
Kepone	0.17U	ug/L	9.6	0.17	1	12/01/13 16:00	12/03/13 17:35	143-50-0	
Methoxychlor	0.0067U	ug/L	0.0096	0.0067	1	12/01/13 16:00	12/03/13 17:35	72-43-5	
Pentachloronitrobenzene	0.014U	ug/L	0.096	0.014	1	12/01/13 16:00	12/03/13 17:35	82-68-8	
Toxaphene	0.27U	ug/L	0.48	0.27	1	12/01/13 16:00	12/03/13 17:35	8001-35-2	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	74 %		66.5-120.3		1	12/01/13 16:00	12/03/13 17:35	877-09-8	
Decachlorobiphenyl (S)	62 %		41.7-109.1		1	12/01/13 16:00	12/03/13 17:35	2051-24-3	
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082 Preparation Method: EPA 3510									
PCB-1016 (Aroclor 1016)	0.077U	ug/L	0.48	0.077	1	12/01/13 16:00	12/03/13 18:17	12674-11-2	
PCB-1221 (Aroclor 1221)	0.078U	ug/L	0.48	0.078	1	12/01/13 16:00	12/03/13 18:17	11104-28-2	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

Sample: B85-6      Lab ID: 35117541003      Collected: 11/27/13 11:12      Received: 11/27/13 14:40      Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB</b> Analytical Method: EPA 8082      Preparation Method: EPA 3510									
PCB-1232 (Aroclor 1232)	0.11U	ug/L	0.48	0.11	1	12/01/13 16:00	12/03/13 18:17	11141-16-5	
PCB-1242 (Aroclor 1242)	0.12U	ug/L	0.48	0.12	1	12/01/13 16:00	12/03/13 18:17	53469-21-9	
PCB-1248 (Aroclor 1248)	0.26U	ug/L	0.48	0.26	1	12/01/13 16:00	12/03/13 18:17	12672-29-6	
PCB-1254 (Aroclor 1254)	0.14U	ug/L	0.48	0.14	1	12/01/13 16:00	12/03/13 18:17	11097-69-1	
PCB-1260 (Aroclor 1260)	0.11U	ug/L	0.48	0.11	1	12/01/13 16:00	12/03/13 18:17	11096-82-5	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	90 %		48-111		1	12/01/13 16:00	12/03/13 18:17	877-09-8	
Decachlorobiphenyl (S)	74 %		63-121		1	12/01/13 16:00	12/03/13 18:17	2051-24-3	
<b>8141 GCS O/P Pesticides</b> Analytical Method: EPA 8141      Preparation Method: EPA 3510									
Dimethoate	0.23U	ug/L	0.48	0.23	1	12/03/13 09:00	12/03/13 14:41	60-51-5	
Disulfoton	0.24U	ug/L	0.48	0.24	1	12/03/13 09:00	12/03/13 14:41	298-04-4	
Famphur	0.28U	ug/L	0.48	0.28	1	12/03/13 09:00	12/03/13 14:41	52-85-7	
Methyl parathion	0.25U	ug/L	0.48	0.25	1	12/03/13 09:00	12/03/13 14:41	298-00-0	
Parathion (Ethyl parathion)	0.45U	ug/L	0.95	0.45	1	12/03/13 09:00	12/03/13 14:41	56-38-2	L3
Phorate	0.40U	ug/L	0.95	0.40	1	12/03/13 09:00	12/03/13 14:41	298-02-2	L3
<b>Surrogates</b>									
4-Chloro3nitrobenzotrifluoride	22 %		34.2-122		1	12/03/13 09:00	12/03/13 14:41		J(S5)
<b>8151 Chlorinated Herbicides</b> Analytical Method: EPA 8151      Preparation Method: EPA 8151									
2,4-D	0.21U	ug/L	0.90	0.21	1	12/02/13 08:05	12/03/13 22:55	94-75-7	
Dinoseb	0.054U	ug/L	0.18	0.054	1	12/02/13 08:05	12/03/13 22:55	88-85-7	
Pentachlorophenol	0.016U	ug/L	0.027	0.016	1	12/02/13 08:05	12/03/13 22:55	87-86-5	
2,4,5-T	0.040U	ug/L	0.18	0.040	1	12/02/13 08:05	12/03/13 22:55	93-76-5	
2,4,5-TP (Silvex)	0.047U	ug/L	0.18	0.047	1	12/02/13 08:05	12/03/13 22:55	93-72-1	
<b>Surrogates</b>									
2,4-DCAA (S)	94 %		42-142		1	12/02/13 08:05	12/03/13 22:55	19719-28-9	
<b>6010 MET ICP</b> Analytical Method: EPA 6010      Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:13	7440-38-2	
Barium	78.9	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:13	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 17:13	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 17:13	7440-43-9	
Chromium	8.5	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:13	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:13	7440-48-4	
Copper	2.7 I	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:13	7440-50-8	
Iron	13300	ug/L	40.0	20.0	1	12/02/13 13:02	12/03/13 17:13	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:13	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:13	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	12/02/13 13:02	12/03/13 17:13	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:13	7440-22-4	
Sodium	163	mg/L	1.0	0.50	1	12/02/13 13:02	12/03/13 17:13	7440-23-5	
Tin	25.0U	ug/L	50.0	25.0	1	12/02/13 13:02	12/03/13 17:13	7440-31-5	
Vanadium	11.3	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:13	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	12/02/13 13:02	12/03/13 17:13	7440-66-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

Sample: B85-6		Lab ID: 35117541003	Collected: 11/27/13 11:12	Received: 11/27/13 14:40	Matrix: Water				
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 15:06	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 15:06	7440-28-0	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	0.10U	ug/L	0.20	0.10	1	12/03/13 10:45	12/04/13 10:25	7439-97-6	
<b>8270 MSSV SemiVOA App. II</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	0.86U	ug/L	5.0	0.86	1	12/04/13 07:30	12/05/13 03:31	83-32-9	
Acenaphthylene	0.95U	ug/L	5.0	0.95	1	12/04/13 07:30	12/05/13 03:31	208-96-8	
Acetophenone	1.5U	ug/L	5.0	1.5	1	12/04/13 07:30	12/05/13 03:31	98-86-2	
2-Acetylaminofluorene	2.4U	ug/L	5.0	2.4	1	12/04/13 07:30	12/05/13 03:31	53-96-3	
4-Aminobiphenyl	1.2 I	ug/L	5.0	0.35	1	12/04/13 07:30	12/05/13 03:31	92-67-1	
Anthracene	0.60U	ug/L	5.0	0.60	1	12/04/13 07:30	12/05/13 03:31	120-12-7	
Benzo(a)anthracene	0.63U	ug/L	5.0	0.63	1	12/04/13 07:30	12/05/13 03:31	56-55-3	
Benzo(a)pyrene	0.58U	ug/L	1.0	0.58	1	12/04/13 07:30	12/05/13 03:31	50-32-8	
Benzo(b)fluoranthene	0.62U	ug/L	2.0	0.62	1	12/04/13 07:30	12/05/13 03:31	205-99-2	
Benzo(g,h,i)perylene	0.68U	ug/L	5.0	0.68	1	12/04/13 07:30	12/05/13 03:31	191-24-2	
Benzo(k)fluoranthene	0.51U	ug/L	4.0	0.51	1	12/04/13 07:30	12/05/13 03:31	207-08-9	
Benzyl alcohol	0.29U	ug/L	5.0	0.29	1	12/04/13 07:30	12/05/13 03:31	100-51-6	
4-Bromophenylphenyl ether	0.67U	ug/L	5.0	0.67	1	12/04/13 07:30	12/05/13 03:31	101-55-3	
Butylbenzylphthalate	0.72U	ug/L	5.0	0.72	1	12/04/13 07:30	12/05/13 03:31	85-68-7	
4-Chloro-3-methylphenol	0.62U	ug/L	20.1	0.62	1	12/04/13 07:30	12/05/13 03:31	59-50-7	
4-Chloroaniline	1.2U	ug/L	5.0	1.2	1	12/04/13 07:30	12/05/13 03:31	106-47-8	
bis(2-Chloroethoxy)methane	3.0U	ug/L	5.0	3.0	1	12/04/13 07:30	12/05/13 03:31	111-91-1	
bis(2-Chloroethyl) ether	0.75U	ug/L	4.0	0.75	1	12/04/13 07:30	12/05/13 03:31	111-44-4	
bis(2-Chloroisopropyl) ether	0.73U	ug/L	5.0	0.73	1	12/04/13 07:30	12/05/13 03:31	108-60-1	
2-Chloronaphthalene	0.80U	ug/L	5.0	0.80	1	12/04/13 07:30	12/05/13 03:31	91-58-7	
2-Chlorophenol	0.68U	ug/L	5.0	0.68	1	12/04/13 07:30	12/05/13 03:31	95-57-8	
4-Chlorophenylphenyl ether	0.63U	ug/L	5.0	0.63	1	12/04/13 07:30	12/05/13 03:31	7005-72-3	
Chrysene	0.37U	ug/L	5.0	0.37	1	12/04/13 07:30	12/05/13 03:31	218-01-9	
Diallate	0.33U	ug/L	5.0	0.33	1	12/04/13 07:30	12/05/13 03:31	2303-16-4	
Dibenz(a,h)anthracene	0.65U	ug/L	2.0	0.65	1	12/04/13 07:30	12/05/13 03:31	53-70-3	
Dibenzofuran	0.67U	ug/L	5.0	0.67	1	12/04/13 07:30	12/05/13 03:31	132-64-9	
1,2-Dichlorobenzene	0.68U	ug/L	5.0	0.68	1	12/04/13 07:30	12/05/13 03:31	95-50-1	
1,3-Dichlorobenzene	0.76U	ug/L	5.0	0.76	1	12/04/13 07:30	12/05/13 03:31	541-73-1	
1,4-Dichlorobenzene	0.77U	ug/L	5.0	0.77	1	12/04/13 07:30	12/05/13 03:31	106-46-7	
3,3'-Dichlorobenzidine	0.69U	ug/L	10.0	0.69	1	12/04/13 07:30	12/05/13 03:31	91-94-1	
2,4-Dichlorophenol	0.56U	ug/L	2.0	0.56	1	12/04/13 07:30	12/05/13 03:31	120-83-2	
2,6-Dichlorophenol	0.38U	ug/L	4.0	0.38	1	12/04/13 07:30	12/05/13 03:31	87-65-0	
Diethylphthalate	0.51U	ug/L	5.0	0.51	1	12/04/13 07:30	12/05/13 03:31	84-66-2	
P-Dimethylaminoazobenzene	0.30U	ug/L	5.0	0.30	1	12/04/13 07:30	12/05/13 03:31	60-11-7	N2
7,12-Dimethylbenz(a)anthracene	0.67U	ug/L	5.0	0.67	1	12/04/13 07:30	12/05/13 03:31	57-97-6	
3,3'-Dimethylbenzidine	0.61U	ug/L	10.0	0.61	1	12/04/13 07:30	12/05/13 03:31	119-93-7	
2,4-Dimethylphenol	1.6U	ug/L	5.0	1.6	1	12/04/13 07:30	12/05/13 03:31	105-67-9	
a,a-Dimethylphenylethylamine	10.0U	ug/L	20.1	10.0	1	12/04/13 07:30	12/05/13 03:31	122-09-8	
Dimethylphthalate	0.64U	ug/L	5.0	0.64	1	12/04/13 07:30	12/05/13 03:31	131-11-3	

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

**Sample: B85-6**      **Lab ID: 35117541003**      Collected: 11/27/13 11:12      Received: 11/27/13 14:40      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV SemiVOA App. II</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Di-n-butylphthalate	1.3 I	ug/L	5.0	0.41	1	12/04/13 07:30	12/05/13 03:31	84-74-2	
4,6-Dinitro-2-methylphenol	1.3U	ug/L	20.1	1.3	1	12/04/13 07:30	12/05/13 03:31	534-52-1	N2
1,3-Dinitrobenzene	0.30U	ug/L	8.0	0.30	1	12/04/13 07:30	12/05/13 03:31	99-65-0	
2,4-Dinitrophenol	1.6U	ug/L	20.1	1.6	1	12/04/13 07:30	12/05/13 03:31	51-28-5	
2,4-Dinitrotoluene	0.53U	ug/L	2.0	0.53	1	12/04/13 07:30	12/05/13 03:31	121-14-2	
2,6-Dinitrotoluene	1.2U	ug/L	2.0	1.2	1	12/04/13 07:30	12/05/13 03:31	606-20-2	N2
Di-n-octylphthalate	0.90U	ug/L	5.0	0.90	1	12/04/13 07:30	12/05/13 03:31	117-84-0	
bis(2-Ethylhexyl)phthalate	2.2 I	ug/L	5.0	0.80	1	12/04/13 07:30	12/05/13 03:31	117-81-7	V
Ethyl methanesulfonate	0.38U	ug/L	5.0	0.38	1	12/04/13 07:30	12/05/13 03:31	62-50-0	
Fluoranthene	0.54U	ug/L	5.0	0.54	1	12/04/13 07:30	12/05/13 03:31	206-44-0	
Fluorene	0.56U	ug/L	5.0	0.56	1	12/04/13 07:30	12/05/13 03:31	86-73-7	
Hexachlorobenzene	0.80U	ug/L	1.0	0.80	1	12/04/13 07:30	12/05/13 03:31	118-74-1	
Hexachlorocyclopentadiene	1.3U	ug/L	5.0	1.3	1	12/04/13 07:30	12/05/13 03:31	77-47-4	
Hexachloroethane	0.71U	ug/L	5.0	0.71	1	12/04/13 07:30	12/05/13 03:31	67-72-1	
Hexachloropropene	0.38U	ug/L	5.0	0.38	1	12/04/13 07:30	12/05/13 03:31	1888-71-7	
Indeno(1,2,3-cd)pyrene	0.73U	ug/L	2.0	0.73	1	12/04/13 07:30	12/05/13 03:31	193-39-5	
Isodrin	0.31U	ug/L	5.0	0.31	1	12/04/13 07:30	12/05/13 03:31	465-73-6	
Isophorone	0.73U	ug/L	5.0	0.73	1	12/04/13 07:30	12/05/13 03:31	78-59-1	
Isosafrole	0.28U	ug/L	5.0	0.28	1	12/04/13 07:30	12/05/13 03:31	120-58-1	
Methapyrilene	0.99U	ug/L	5.0	0.99	1	12/04/13 07:30	12/05/13 03:31	91-80-5	
3-Methylcholanthrene	0.28U	ug/L	5.0	0.28	1	12/04/13 07:30	12/05/13 03:31	56-49-5	
Methyl methanesulfonate	0.11U	ug/L	5.0	0.11	1	12/04/13 07:30	12/05/13 03:31	66-27-3	
2-Methylnaphthalene	0.99U	ug/L	5.0	0.99	1	12/04/13 07:30	12/05/13 03:31	91-57-6	
2-Methylphenol(o-Cresol)	0.73U	ug/L	5.0	0.73	1	12/04/13 07:30	12/05/13 03:31	95-48-7	
3&4-Methylphenol(m&p Cresol)	0.66U	ug/L	10.0	0.66	1	12/04/13 07:30	12/05/13 03:31		
1-Naphthylamine	0.67U	ug/L	5.0	0.67	1	12/04/13 07:30	12/05/13 03:31	134-32-7	
2-Naphthylamine	0.68U	ug/L	5.0	0.68	1	12/04/13 07:30	12/05/13 03:31	91-59-8	
Naphthalene	0.78U	ug/L	5.0	0.78	1	12/04/13 07:30	12/05/13 03:31	91-20-3	
1,4-Naphthoquinone	0.30U	ug/L	5.0	0.30	1	12/04/13 07:30	12/05/13 03:31	130-15-4	
2-Nitroaniline	0.60U	ug/L	5.0	0.60	1	12/04/13 07:30	12/05/13 03:31	88-74-4	
3-Nitroaniline	0.99U	ug/L	5.0	0.99	1	12/04/13 07:30	12/05/13 03:31	99-09-2	
4-Nitroaniline	0.69U	ug/L	4.0	0.69	1	12/04/13 07:30	12/05/13 03:31	100-01-6	
Nitrobenzene	1.1U	ug/L	4.0	1.1	1	12/04/13 07:30	12/05/13 03:31	98-95-3	
2-Nitrophenol	0.81U	ug/L	5.0	0.81	1	12/04/13 07:30	12/05/13 03:31	88-75-5	
4-Nitrophenol	1.1U	ug/L	20.1	1.1	1	12/04/13 07:30	12/05/13 03:31	100-02-7	
5-Nitro-o-toluidine	0.37U	ug/L	5.0	0.37	1	12/04/13 07:30	12/05/13 03:31	99-55-8	
N-Nitrosodiethylamine	0.38U	ug/L	4.0	0.38	1	12/04/13 07:30	12/05/13 03:31	55-18-5	
N-Nitrosodimethylamine	0.97U	ug/L	2.0	0.97	1	12/04/13 07:30	12/05/13 03:31	62-75-9	
N-Nitroso-di-n-butylamine	1.2U	ug/L	4.0	1.2	1	12/04/13 07:30	12/05/13 03:31	924-16-3	
N-Nitroso-di-n-propylamine	0.94U	ug/L	4.0	0.94	1	12/04/13 07:30	12/05/13 03:31	621-64-7	
N-Nitrosodiphenylamine	0.50U	ug/L	5.0	0.50	1	12/04/13 07:30	12/05/13 03:31	86-30-6	
N-Nitrosomethylethylamine	0.48U	ug/L	5.0	0.48	1	12/04/13 07:30	12/05/13 03:31	10595-95-6	
N-Nitrosopiperidine	0.36U	ug/L	5.0	0.36	1	12/04/13 07:30	12/05/13 03:31	100-75-4	
N-Nitrosopyrrolidine	0.32U	ug/L	5.0	0.32	1	12/04/13 07:30	12/05/13 03:31	930-55-2	
O,O,O-Triethylphosphorothioate	0.12U	ug/L	5.0	0.12	1	12/04/13 07:30	12/05/13 03:31	126-68-1	
Pentachlorobenzene	0.26U	ug/L	5.0	0.26	1	12/04/13 07:30	12/05/13 03:31	608-93-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

**Sample: B85-6**      **Lab ID: 35117541003**      Collected: 11/27/13 11:12      Received: 11/27/13 14:40      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV SemiVOA App. II</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Phenacetin	0.16U	ug/L	5.0	0.16	1	12/04/13 07:30	12/05/13 03:31	62-44-2	
Phenanthrene	0.52U	ug/L	5.0	0.52	1	12/04/13 07:30	12/05/13 03:31	85-01-8	
Phenol	0.54U	ug/L	5.0	0.54	1	12/04/13 07:30	12/05/13 03:31	108-95-2	
p-Phenylenediamine	10.0U	ug/L	20.1	10.0	1	12/04/13 07:30	12/05/13 03:31	106-50-3	N2
Pronamide	0.33U	ug/L	5.0	0.33	1	12/04/13 07:30	12/05/13 03:31	23950-58-5	
Pyrene	0.68U	ug/L	5.0	0.68	1	12/04/13 07:30	12/05/13 03:31	129-00-0	
Safrole	0.18U	ug/L	5.0	0.18	1	12/04/13 07:30	12/05/13 03:31	94-59-7	
1,2,4,5-Tetrachlorobenzene	0.70U	ug/L	5.0	0.70	1	12/04/13 07:30	12/05/13 03:31	95-94-3	
2,3,4,6-Tetrachlorophenol	3.9U	ug/L	5.0	3.9	1	12/04/13 07:30	12/05/13 03:31	58-90-2	
Thionazin	0.36U	ug/L	5.0	0.36	1	12/04/13 07:30	12/05/13 03:31	297-97-2	
O-Toluidine	0.29U	ug/L	5.0	0.29	1	12/04/13 07:30	12/05/13 03:31	95-53-4	
2,4,5-Trichlorophenol	0.52U	ug/L	4.0	0.52	1	12/04/13 07:30	12/05/13 03:31	95-95-4	
2,4,6-Trichlorophenol	0.69U	ug/L	2.0	0.69	1	12/04/13 07:30	12/05/13 03:31	88-06-2	
1,3,5-Trinitrobenzene	1.2U	ug/L	5.0	1.2	1	12/04/13 07:30	12/05/13 03:31	99-35-4	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	52	%	22-120		1	12/04/13 07:30	12/05/13 03:31	4165-60-0	
2-Fluorobiphenyl (S)	65	%	34-120		1	12/04/13 07:30	12/05/13 03:31	321-60-8	
Terphenyl-d14 (S)	61	%	39-138		1	12/04/13 07:30	12/05/13 03:31	1718-51-0	
Phenol-d6 (S)	12	%	10-120		1	12/04/13 07:30	12/05/13 03:31	13127-88-3	
2-Fluorophenol (S)	18	%	10-120		1	12/04/13 07:30	12/05/13 03:31	367-12-4	
2,4,6-Tribromophenol (S)	85	%	35-146		1	12/04/13 07:30	12/05/13 03:31	118-79-6	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		12/07/13 15:59	67-64-1	L3
Acetonitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 15:59	75-05-8	
Acrolein	10.0U	ug/L	20.0	10.0	1		12/07/13 15:59	107-02-8	L3
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 15:59	107-13-1	L3
Allyl chloride	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	107-05-1	
Benzene	2.5	ug/L	1.0	0.10	1		12/07/13 15:59	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		12/07/13 15:59	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		12/07/13 15:59	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		12/07/13 15:59	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	56-23-5	
Chlorobenzene	2.3	ug/L	1.0	0.50	1		12/07/13 15:59	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		12/07/13 15:59	74-87-3	
Chloroprene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	126-99-8	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		12/07/13 15:59	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	74-95-3	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		12/07/13 15:59	110-57-6	
Dichlorodifluoromethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	75-71-8	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	75-34-3	

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

Sample: B85-6		Lab ID: 35117541003		Collected: 11/27/13 11:12		Received: 11/27/13 14:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	78-87-5	
1,3-Dichloropropane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	142-28-9	
2,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	594-20-7	
1,1-Dichloropropene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	563-58-6	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		12/07/13 15:59	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		12/07/13 15:59	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	100-41-4	
Ethyl methacrylate	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	97-63-2	
Hexachloro-1,3-butadiene	0.40U	ug/L	1.0	0.40	1		12/07/13 15:59	87-68-3	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		12/07/13 15:59	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	74-88-4	
Isobutyl Alcohol	10.0U	ug/L	20.0	10.0	1		12/07/13 15:59	78-83-1	
Methacrylonitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 15:59	126-98-7	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		12/07/13 15:59	75-09-2	
Methyl methacrylate	5.0U	ug/L	10.0	5.0	1		12/07/13 15:59	80-62-6	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		12/07/13 15:59	108-10-1	
Propionitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 15:59	107-12-0	
Styrene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		12/07/13 15:59	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	108-88-3	
1,2,4-Trichlorobenzene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	120-82-1	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		12/07/13 15:59	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		12/07/13 15:59	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		12/07/13 15:59	75-01-4	
Xylene (Total)	0.70 I	ug/L	1.0	0.50	1		12/07/13 15:59	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97 %		70-114		1		12/07/13 15:59	460-00-4	
1,2-Dichloroethane-d4 (S)	98 %		86-125		1		12/07/13 15:59	17060-07-0	
Toluene-d8 (S)	98 %		87-113		1		12/07/13 15:59	2037-26-5	

### 2540C Total Dissolved Solids

Analytical Method: SM 2540C

Total Dissolved Solids	1190	mg/L	10.0	10.0	1		12/03/13 11:45
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### 9034 Sulfide Water

Analytical Method: EPA 9034

Sulfide	1.4	mg/L	1.0	1.0	1		12/03/13 15:38	18496-25-8
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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

Sample: B85-6		Lab ID: 35117541003		Collected: 11/27/13 11:12		Received: 11/27/13 14:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>		Analytical Method: EPA 300.0							
Nitrate as N	<b>0.22U</b>	mg/L	0.25	0.22	5		11/28/13 17:16	14797-55-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0							
Chloride	<b>207</b>	mg/L	25.0	12.5	5		11/28/13 17:16	16887-00-6	
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	<b>7.1</b>	mg/L	0.050	0.020	1		12/06/13 12:20	7664-41-7	
<b>9012 Cyanide, Total</b>		Analytical Method: EPA 9012 Preparation Method: EPA 9012							
Cyanide	<b>0.0020U</b>	mg/L	0.010	0.0020	1	12/12/13 18:30	12/13/13 15:22	57-12-5	Q, Y

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

Sample: B87-F		Lab ID: 35117541004		Collected: 11/27/13 12:42		Received: 11/27/13 14:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method:									
Field pH	6.98	Std. Units			1		11/27/13 12:42		
Field Temperature	21.50	deg C			1		11/27/13 12:42		
Appearance	Color: none, Sheen: none				1		11/27/13 12:42		
Field Specific Conductance	599	umhos/cm			1		11/27/13 12:42		
Oxygen, Dissolved	0.13	mg/L			1		11/27/13 12:42	7782-44-7	
REDOX	-113.4	mV			1		11/27/13 12:42		
Turbidity	0.01	NTU			1		11/27/13 12:42		
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0050U	ug/L	0.020	0.0050	1	12/04/13 15:00	12/05/13 02:25	96-12-8	
1,2-Dibromoethane (EDB)	0.0063U	ug/L	0.010	0.0063	1	12/04/13 15:00	12/05/13 02:25	106-93-4	
<b>8081 GCS Pesticides</b>									
Analytical Method: EPA 8081 Preparation Method: EPA 3510									
Aldrin	0.00048U	ug/L	0.0096	0.00048	1	12/01/13 16:00	12/03/13 18:32	309-00-2	
alpha-BHC	0.00029U	ug/L	0.0096	0.00029	1	12/01/13 16:00	12/03/13 18:32	319-84-6	
beta-BHC	0.00048U	ug/L	0.0096	0.00048	1	12/01/13 16:00	12/03/13 18:32	319-85-7	
delta-BHC	0.00038U	ug/L	0.0096	0.00038	1	12/01/13 16:00	12/03/13 18:32	319-86-8	
gamma-BHC (Lindane)	0.00019U	ug/L	0.0096	0.00019	1	12/01/13 16:00	12/03/13 18:32	58-89-9	
Chlordane (Technical)	0.077U	ug/L	0.48	0.077	1	12/01/13 16:00	12/03/13 18:32	57-74-9	
Chlorobenzilate	0.020U	ug/L	0.096	0.020	1	12/01/13 16:00	12/03/13 18:32	510-15-6	
4,4'-DDD	0.0018U	ug/L	0.0096	0.0018	1	12/01/13 16:00	12/03/13 18:32	72-54-8	
4,4'-DDE	0.00087U	ug/L	0.0096	0.00087	1	12/01/13 16:00	12/03/13 18:32	72-55-9	
4,4'-DDT	0.0035U	ug/L	0.0096	0.0035	1	12/01/13 16:00	12/03/13 18:32	50-29-3	
Dieldrin	0.00048U	ug/L	0.0096	0.00048	1	12/01/13 16:00	12/03/13 18:32	60-57-1	
Endosulfan I	0.00067U	ug/L	0.0096	0.00067	1	12/01/13 16:00	12/03/13 18:32	959-98-8	
Endosulfan II	0.00067U	ug/L	0.0096	0.00067	1	12/01/13 16:00	12/03/13 18:32	33213-65-9	
Endosulfan sulfate	0.00058U	ug/L	0.0096	0.00058	1	12/01/13 16:00	12/03/13 18:32	1031-07-8	
Endrin	0.0016U	ug/L	0.0096	0.0016	1	12/01/13 16:00	12/03/13 18:32	72-20-8	
Endrin aldehyde	0.0068U	ug/L	0.0096	0.0068	1	12/01/13 16:00	12/03/13 18:32	7421-93-4	
Heptachlor	0.0014U	ug/L	0.0096	0.0014	1	12/01/13 16:00	12/03/13 18:32	76-44-8	
Heptachlor epoxide	0.00038U	ug/L	0.0096	0.00038	1	12/01/13 16:00	12/03/13 18:32	1024-57-3	
Kepone	0.17U	ug/L	9.6	0.17	1	12/01/13 16:00	12/03/13 18:32	143-50-0	
Methoxychlor	0.0067U	ug/L	0.0096	0.0067	1	12/01/13 16:00	12/03/13 18:32	72-43-5	
Pentachloronitrobenzene	0.014U	ug/L	0.096	0.014	1	12/01/13 16:00	12/03/13 18:32	82-68-8	
Toxaphene	0.27U	ug/L	0.48	0.27	1	12/01/13 16:00	12/03/13 18:32	8001-35-2	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	83 %		66.5-120.3		1	12/01/13 16:00	12/03/13 18:32	877-09-8	
Decachlorobiphenyl (S)	76 %		41.7-109.1		1	12/01/13 16:00	12/03/13 18:32	2051-24-3	
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082 Preparation Method: EPA 3510									
PCB-1016 (Aroclor 1016)	0.077U	ug/L	0.48	0.077	1	12/01/13 16:00	12/03/13 18:38	12674-11-2	
PCB-1221 (Aroclor 1221)	0.078U	ug/L	0.48	0.078	1	12/01/13 16:00	12/03/13 18:38	11104-28-2	

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

Sample: B87-F		Lab ID: 35117541004		Collected: 11/27/13 12:42		Received: 11/27/13 14:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB</b> Analytical Method: EPA 8082 Preparation Method: EPA 3510									
PCB-1232 (Aroclor 1232)	0.11U	ug/L	0.48	0.11	1	12/01/13 16:00	12/03/13 18:38	11141-16-5	
PCB-1242 (Aroclor 1242)	0.12U	ug/L	0.48	0.12	1	12/01/13 16:00	12/03/13 18:38	53469-21-9	
PCB-1248 (Aroclor 1248)	0.26U	ug/L	0.48	0.26	1	12/01/13 16:00	12/03/13 18:38	12672-29-6	
PCB-1254 (Aroclor 1254)	0.14U	ug/L	0.48	0.14	1	12/01/13 16:00	12/03/13 18:38	11097-69-1	
PCB-1260 (Aroclor 1260)	0.11U	ug/L	0.48	0.11	1	12/01/13 16:00	12/03/13 18:38	11096-82-5	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	95 %		48-111		1	12/01/13 16:00	12/03/13 18:38	877-09-8	
Decachlorobiphenyl (S)	85 %		63-121		1	12/01/13 16:00	12/03/13 18:38	2051-24-3	
<b>8141 GCS O/P Pesticides</b> Analytical Method: EPA 8141 Preparation Method: EPA 3510									
Dimethoate	0.23U	ug/L	0.48	0.23	1	12/03/13 09:00	12/03/13 15:20	60-51-5	
Disulfoton	0.24U	ug/L	0.48	0.24	1	12/03/13 09:00	12/03/13 15:20	298-04-4	
Famphur	0.28U	ug/L	0.48	0.28	1	12/03/13 09:00	12/03/13 15:20	52-85-7	
Methyl parathion	0.25U	ug/L	0.48	0.25	1	12/03/13 09:00	12/03/13 15:20	298-00-0	
Parathion (Ethyl parathion)	0.45U	ug/L	0.95	0.45	1	12/03/13 09:00	12/03/13 15:20	56-38-2	L3
Phorate	0.40U	ug/L	0.95	0.40	1	12/03/13 09:00	12/03/13 15:20	298-02-2	L3
<b>Surrogates</b>									
4-Chloro3nitrobenzotrifluoride	62 %		34.2-122		1	12/03/13 09:00	12/03/13 15:20		
<b>8151 Chlorinated Herbicides</b> Analytical Method: EPA 8151 Preparation Method: EPA 8151									
2,4-D	0.21U	ug/L	0.89	0.21	1	12/02/13 08:05	12/03/13 23:25	94-75-7	
Dinoseb	0.054U	ug/L	0.18	0.054	1	12/02/13 08:05	12/03/13 23:25	88-85-7	
Pentachlorophenol	0.016U	ug/L	0.027	0.016	1	12/02/13 08:05	12/03/13 23:25	87-86-5	
2,4,5-T	0.040U	ug/L	0.18	0.040	1	12/02/13 08:05	12/03/13 23:25	93-76-5	
2,4,5-TP (Silvex)	0.047U	ug/L	0.18	0.047	1	12/02/13 08:05	12/03/13 23:25	93-72-1	
<b>Surrogates</b>									
2,4-DCAA (S)	98 %		42-142		1	12/02/13 08:05	12/03/13 23:25	19719-28-9	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:17	7440-38-2	
Barium	17.8	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:17	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 17:17	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 17:17	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:17	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:17	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:17	7440-50-8	
Iron	1240	ug/L	40.0	20.0	1	12/02/13 13:02	12/03/13 17:17	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:17	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:17	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	12/02/13 13:02	12/03/13 17:17	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:17	7440-22-4	
Sodium	27.5	mg/L	1.0	0.50	1	12/02/13 13:02	12/03/13 17:17	7440-23-5	
Tin	25.0U	ug/L	50.0	25.0	1	12/02/13 13:02	12/03/13 17:17	7440-31-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:17	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	12/02/13 13:02	12/03/13 17:17	7440-66-6	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

Sample: B87-F		Lab ID: 35117541004	Collected: 11/27/13 12:42	Received: 11/27/13 14:40	Matrix: Water				
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Antimony	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 15:08	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 15:08	7440-28-0	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	0.10U	ug/L	0.20	0.10	1	12/03/13 10:45	12/04/13 10:27	7439-97-6	
<b>8270 MSSV SemiVOA App. II</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	0.82U	ug/L	4.8	0.82	1	12/04/13 07:30	12/05/13 03:53	83-32-9	
Acenaphthylene	0.91U	ug/L	4.8	0.91	1	12/04/13 07:30	12/05/13 03:53	208-96-8	
Acetophenone	1.4U	ug/L	4.8	1.4	1	12/04/13 07:30	12/05/13 03:53	98-86-2	
2-Acetylaminofluorene	2.3U	ug/L	4.8	2.3	1	12/04/13 07:30	12/05/13 03:53	53-96-3	
4-Aminobiphenyl	0.33U	ug/L	4.8	0.33	1	12/04/13 07:30	12/05/13 03:53	92-67-1	
Anthracene	0.57U	ug/L	4.8	0.57	1	12/04/13 07:30	12/05/13 03:53	120-12-7	
Benzo(a)anthracene	0.60U	ug/L	4.8	0.60	1	12/04/13 07:30	12/05/13 03:53	56-55-3	
Benzo(a)pyrene	0.55U	ug/L	0.96	0.55	1	12/04/13 07:30	12/05/13 03:53	50-32-8	
Benzo(b)fluoranthene	0.59U	ug/L	1.9	0.59	1	12/04/13 07:30	12/05/13 03:53	205-99-2	
Benzo(g,h,i)perylene	0.65U	ug/L	4.8	0.65	1	12/04/13 07:30	12/05/13 03:53	191-24-2	
Benzo(k)fluoranthene	0.49U	ug/L	3.8	0.49	1	12/04/13 07:30	12/05/13 03:53	207-08-9	
Benzyl alcohol	0.27U	ug/L	4.8	0.27	1	12/04/13 07:30	12/05/13 03:53	100-51-6	
4-Bromophenylphenyl ether	0.64U	ug/L	4.8	0.64	1	12/04/13 07:30	12/05/13 03:53	101-55-3	
Butylbenzylphthalate	1.4 I	ug/L	4.8	0.69	1	12/04/13 07:30	12/05/13 03:53	85-68-7	
4-Chloro-3-methylphenol	0.59U	ug/L	19.1	0.59	1	12/04/13 07:30	12/05/13 03:53	59-50-7	
4-Chloroaniline	1.2U	ug/L	4.8	1.2	1	12/04/13 07:30	12/05/13 03:53	106-47-8	
bis(2-Chloroethoxy)methane	2.8U	ug/L	4.8	2.8	1	12/04/13 07:30	12/05/13 03:53	111-91-1	
bis(2-Chloroethyl) ether	0.72U	ug/L	3.8	0.72	1	12/04/13 07:30	12/05/13 03:53	111-44-4	
bis(2-Chloroisopropyl) ether	0.70U	ug/L	4.8	0.70	1	12/04/13 07:30	12/05/13 03:53	108-60-1	
2-Chloronaphthalene	0.77U	ug/L	4.8	0.77	1	12/04/13 07:30	12/05/13 03:53	91-58-7	
2-Chlorophenol	0.65U	ug/L	4.8	0.65	1	12/04/13 07:30	12/05/13 03:53	95-57-8	
4-Chlorophenylphenyl ether	0.60U	ug/L	4.8	0.60	1	12/04/13 07:30	12/05/13 03:53	7005-72-3	
Chrysene	0.35U	ug/L	4.8	0.35	1	12/04/13 07:30	12/05/13 03:53	218-01-9	
Diallate	0.31U	ug/L	4.8	0.31	1	12/04/13 07:30	12/05/13 03:53	2303-16-4	
Dibenz(a,h)anthracene	0.62U	ug/L	1.9	0.62	1	12/04/13 07:30	12/05/13 03:53	53-70-3	
Dibenzofuran	0.64U	ug/L	4.8	0.64	1	12/04/13 07:30	12/05/13 03:53	132-64-9	
1,2-Dichlorobenzene	0.65U	ug/L	4.8	0.65	1	12/04/13 07:30	12/05/13 03:53	95-50-1	
1,3-Dichlorobenzene	0.73U	ug/L	4.8	0.73	1	12/04/13 07:30	12/05/13 03:53	541-73-1	
1,4-Dichlorobenzene	0.74U	ug/L	4.8	0.74	1	12/04/13 07:30	12/05/13 03:53	106-46-7	
3,3'-Dichlorobenzidine	0.66U	ug/L	9.6	0.66	1	12/04/13 07:30	12/05/13 03:53	91-94-1	
2,4-Dichlorophenol	0.54U	ug/L	1.9	0.54	1	12/04/13 07:30	12/05/13 03:53	120-83-2	
2,6-Dichlorophenol	0.36U	ug/L	3.8	0.36	1	12/04/13 07:30	12/05/13 03:53	87-65-0	
Diethylphthalate	0.49U	ug/L	4.8	0.49	1	12/04/13 07:30	12/05/13 03:53	84-66-2	
P-Dimethylaminoazobenzene	0.29U	ug/L	4.8	0.29	1	12/04/13 07:30	12/05/13 03:53	60-11-7	N2
7,12-Dimethylbenz(a)anthracene	0.64U	ug/L	4.8	0.64	1	12/04/13 07:30	12/05/13 03:53	57-97-6	
3,3'-Dimethylbenzidine	0.58U	ug/L	9.6	0.58	1	12/04/13 07:30	12/05/13 03:53	119-93-7	
2,4-Dimethylphenol	1.5U	ug/L	4.8	1.5	1	12/04/13 07:30	12/05/13 03:53	105-67-9	
a,a-Dimethylphenylethylamine	9.6U	ug/L	19.1	9.6	1	12/04/13 07:30	12/05/13 03:53	122-09-8	
Dimethylphthalate	0.61U	ug/L	4.8	0.61	1	12/04/13 07:30	12/05/13 03:53	131-11-3	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

**Sample: B87-F**      **Lab ID: 35117541004**      Collected: 11/27/13 12:42      Received: 11/27/13 14:40      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV SemiVOA App. II</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Di-n-butylphthalate	0.39U	ug/L	4.8	0.39	1	12/04/13 07:30	12/05/13 03:53	84-74-2	
4,6-Dinitro-2-methylphenol	1.3U	ug/L	19.1	1.3	1	12/04/13 07:30	12/05/13 03:53	534-52-1	N2
1,3-Dinitrobenzene	0.28U	ug/L	7.7	0.28	1	12/04/13 07:30	12/05/13 03:53	99-65-0	
2,4-Dinitrophenol	1.5U	ug/L	19.1	1.5	1	12/04/13 07:30	12/05/13 03:53	51-28-5	
2,4-Dinitrotoluene	0.51U	ug/L	1.9	0.51	1	12/04/13 07:30	12/05/13 03:53	121-14-2	
2,6-Dinitrotoluene	1.2U	ug/L	1.9	1.2	1	12/04/13 07:30	12/05/13 03:53	606-20-2	N2
Di-n-octylphthalate	0.86U	ug/L	4.8	0.86	1	12/04/13 07:30	12/05/13 03:53	117-84-0	
bis(2-Ethylhexyl)phthalate	0.77U	ug/L	4.8	0.77	1	12/04/13 07:30	12/05/13 03:53	117-81-7	
Ethyl methanesulfonate	0.36U	ug/L	4.8	0.36	1	12/04/13 07:30	12/05/13 03:53	62-50-0	
Fluoranthene	0.52U	ug/L	4.8	0.52	1	12/04/13 07:30	12/05/13 03:53	206-44-0	
Fluorene	0.54U	ug/L	4.8	0.54	1	12/04/13 07:30	12/05/13 03:53	86-73-7	
Hexachlorobenzene	0.77U	ug/L	0.96	0.77	1	12/04/13 07:30	12/05/13 03:53	118-74-1	
Hexachlorocyclopentadiene	1.2U	ug/L	4.8	1.2	1	12/04/13 07:30	12/05/13 03:53	77-47-4	
Hexachloroethane	0.68U	ug/L	4.8	0.68	1	12/04/13 07:30	12/05/13 03:53	67-72-1	
Hexachloropropene	0.36U	ug/L	4.8	0.36	1	12/04/13 07:30	12/05/13 03:53	1888-71-7	
Indeno(1,2,3-cd)pyrene	0.70U	ug/L	1.9	0.70	1	12/04/13 07:30	12/05/13 03:53	193-39-5	
Isodrin	0.29U	ug/L	4.8	0.29	1	12/04/13 07:30	12/05/13 03:53	465-73-6	
Isophorone	0.70U	ug/L	4.8	0.70	1	12/04/13 07:30	12/05/13 03:53	78-59-1	
Isosafrole	0.27U	ug/L	4.8	0.27	1	12/04/13 07:30	12/05/13 03:53	120-58-1	
Methapyrilene	0.95U	ug/L	4.8	0.95	1	12/04/13 07:30	12/05/13 03:53	91-80-5	
3-Methylcholanthrene	0.27U	ug/L	4.8	0.27	1	12/04/13 07:30	12/05/13 03:53	56-49-5	
Methyl methanesulfonate	0.10U	ug/L	4.8	0.10	1	12/04/13 07:30	12/05/13 03:53	66-27-3	
2-Methylnaphthalene	0.95U	ug/L	4.8	0.95	1	12/04/13 07:30	12/05/13 03:53	91-57-6	
2-Methylphenol(o-Cresol)	0.70U	ug/L	4.8	0.70	1	12/04/13 07:30	12/05/13 03:53	95-48-7	
3&4-Methylphenol(m&p Cresol)	0.63U	ug/L	9.6	0.63	1	12/04/13 07:30	12/05/13 03:53		
1-Naphthylamine	0.64U	ug/L	4.8	0.64	1	12/04/13 07:30	12/05/13 03:53	134-32-7	
2-Naphthylamine	0.65U	ug/L	4.8	0.65	1	12/04/13 07:30	12/05/13 03:53	91-59-8	
Naphthalene	0.75U	ug/L	4.8	0.75	1	12/04/13 07:30	12/05/13 03:53	91-20-3	
1,4-Naphthoquinone	0.29U	ug/L	4.8	0.29	1	12/04/13 07:30	12/05/13 03:53	130-15-4	
2-Nitroaniline	0.57U	ug/L	4.8	0.57	1	12/04/13 07:30	12/05/13 03:53	88-74-4	
3-Nitroaniline	0.95U	ug/L	4.8	0.95	1	12/04/13 07:30	12/05/13 03:53	99-09-2	
4-Nitroaniline	0.66U	ug/L	3.8	0.66	1	12/04/13 07:30	12/05/13 03:53	100-01-6	
Nitrobenzene	1.0U	ug/L	3.8	1.0	1	12/04/13 07:30	12/05/13 03:53	98-95-3	
2-Nitrophenol	0.77U	ug/L	4.8	0.77	1	12/04/13 07:30	12/05/13 03:53	88-75-5	
4-Nitrophenol	1.0U	ug/L	19.1	1.0	1	12/04/13 07:30	12/05/13 03:53	100-02-7	
5-Nitro-o-toluidine	0.35U	ug/L	4.8	0.35	1	12/04/13 07:30	12/05/13 03:53	99-55-8	
N-Nitrosodiethylamine	0.36U	ug/L	3.8	0.36	1	12/04/13 07:30	12/05/13 03:53	55-18-5	
N-Nitrosodimethylamine	0.93U	ug/L	1.9	0.93	1	12/04/13 07:30	12/05/13 03:53	62-75-9	
N-Nitroso-di-n-butylamine	1.1U	ug/L	3.8	1.1	1	12/04/13 07:30	12/05/13 03:53	924-16-3	
N-Nitroso-di-n-propylamine	0.90U	ug/L	3.8	0.90	1	12/04/13 07:30	12/05/13 03:53	621-64-7	
N-Nitrosodiphenylamine	0.48U	ug/L	4.8	0.48	1	12/04/13 07:30	12/05/13 03:53	86-30-6	
N-Nitrosomethylethylamine	0.46U	ug/L	4.8	0.46	1	12/04/13 07:30	12/05/13 03:53	10595-95-6	
N-Nitrosopiperidine	0.35U	ug/L	4.8	0.35	1	12/04/13 07:30	12/05/13 03:53	100-75-4	
N-Nitrosopyrrolidine	0.30U	ug/L	4.8	0.30	1	12/04/13 07:30	12/05/13 03:53	930-55-2	
O,O,O-Triethylphosphorothioate	0.11U	ug/L	4.8	0.11	1	12/04/13 07:30	12/05/13 03:53	126-68-1	
Pentachlorobenzene	0.25U	ug/L	4.8	0.25	1	12/04/13 07:30	12/05/13 03:53	608-93-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

**Sample: B87-F**      **Lab ID: 35117541004**      Collected: 11/27/13 12:42      Received: 11/27/13 14:40      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV SemiVOA App. II</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Phenacetin	1.5 I	ug/L	4.8	0.15	1	12/04/13 07:30	12/05/13 03:53	62-44-2	
Phenanthrene	0.50U	ug/L	4.8	0.50	1	12/04/13 07:30	12/05/13 03:53	85-01-8	
Phenol	0.52U	ug/L	4.8	0.52	1	12/04/13 07:30	12/05/13 03:53	108-95-2	
p-Phenylenediamine	9.6U	ug/L	19.1	9.6	1	12/04/13 07:30	12/05/13 03:53	106-50-3	N2
Pronamide	0.31U	ug/L	4.8	0.31	1	12/04/13 07:30	12/05/13 03:53	23950-58-5	
Pyrene	0.65U	ug/L	4.8	0.65	1	12/04/13 07:30	12/05/13 03:53	129-00-0	
Safrole	0.17U	ug/L	4.8	0.17	1	12/04/13 07:30	12/05/13 03:53	94-59-7	
1,2,4,5-Tetrachlorobenzene	0.67U	ug/L	4.8	0.67	1	12/04/13 07:30	12/05/13 03:53	95-94-3	
2,3,4,6-Tetrachlorophenol	3.7U	ug/L	4.8	3.7	1	12/04/13 07:30	12/05/13 03:53	58-90-2	
Thionazin	0.34U	ug/L	4.8	0.34	1	12/04/13 07:30	12/05/13 03:53	297-97-2	
O-Toluidine	0.28U	ug/L	4.8	0.28	1	12/04/13 07:30	12/05/13 03:53	95-53-4	
2,4,5-Trichlorophenol	0.50U	ug/L	3.8	0.50	1	12/04/13 07:30	12/05/13 03:53	95-95-4	
2,4,6-Trichlorophenol	0.66U	ug/L	1.9	0.66	1	12/04/13 07:30	12/05/13 03:53	88-06-2	
1,3,5-Trinitrobenzene	1.2U	ug/L	4.8	1.2	1	12/04/13 07:30	12/05/13 03:53	99-35-4	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	49 %		22-120		1	12/04/13 07:30	12/05/13 03:53	4165-60-0	
2-Fluorobiphenyl (S)	59 %		34-120		1	12/04/13 07:30	12/05/13 03:53	321-60-8	
Terphenyl-d14 (S)	73 %		39-138		1	12/04/13 07:30	12/05/13 03:53	1718-51-0	
Phenol-d6 (S)	10 %		10-120		1	12/04/13 07:30	12/05/13 03:53	13127-88-3	
2-Fluorophenol (S)	14 %		10-120		1	12/04/13 07:30	12/05/13 03:53	367-12-4	
2,4,6-Tribromophenol (S)	71 %		35-146		1	12/04/13 07:30	12/05/13 03:53	118-79-6	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		12/07/13 16:24	67-64-1	L3
Acetonitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 16:24	75-05-8	
Acrolein	10.0U	ug/L	20.0	10.0	1		12/07/13 16:24	107-02-8	L3
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 16:24	107-13-1	L3
Allyl chloride	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	107-05-1	
Benzene	0.10U	ug/L	1.0	0.10	1		12/07/13 16:24	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		12/07/13 16:24	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		12/07/13 16:24	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		12/07/13 16:24	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		12/07/13 16:24	74-87-3	
Chloroprene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	126-99-8	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		12/07/13 16:24	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	74-95-3	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		12/07/13 16:24	110-57-6	
Dichlorodifluoromethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	75-71-8	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	75-34-3	

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

Sample: B87-F		Lab ID: 35117541004		Collected: 11/27/13 12:42		Received: 11/27/13 14:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	78-87-5	
1,3-Dichloropropane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	142-28-9	
2,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	594-20-7	
1,1-Dichloropropene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	563-58-6	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		12/07/13 16:24	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		12/07/13 16:24	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	100-41-4	
Ethyl methacrylate	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	97-63-2	
Hexachloro-1,3-butadiene	0.40U	ug/L	1.0	0.40	1		12/07/13 16:24	87-68-3	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		12/07/13 16:24	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	74-88-4	
Isobutyl Alcohol	10.0U	ug/L	20.0	10.0	1		12/07/13 16:24	78-83-1	
Methacrylonitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 16:24	126-98-7	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		12/07/13 16:24	75-09-2	
Methyl methacrylate	5.0U	ug/L	10.0	5.0	1		12/07/13 16:24	80-62-6	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		12/07/13 16:24	108-10-1	
Propionitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 16:24	107-12-0	
Styrene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		12/07/13 16:24	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	108-88-3	
1,2,4-Trichlorobenzene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	120-82-1	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		12/07/13 16:24	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		12/07/13 16:24	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		12/07/13 16:24	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99 %		70-114		1		12/07/13 16:24	460-00-4	
1,2-Dichloroethane-d4 (S)	96 %		86-125		1		12/07/13 16:24	17060-07-0	
Toluene-d8 (S)	98 %		87-113		1		12/07/13 16:24	2037-26-5	

### 2540C Total Dissolved Solids

Analytical Method: SM 2540C

Total Dissolved Solids	384	mg/L	5.0	5.0	1		12/03/13 11:45
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### 9034 Sulfide Water

Analytical Method: EPA 9034

Sulfide	1.0U	mg/L	1.0	1.0	1		12/03/13 15:38	18496-25-8
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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

Sample: B87-F		Lab ID: 35117541004		Collected: 11/27/13 12:42		Received: 11/27/13 14:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>	Analytical Method: EPA 300.0								
Nitrate as N	<b>0.043U</b>	mg/L	0.050	0.043	1		11/28/13 16:56	14797-55-8	
<b>300.0 IC Anions 28 Days</b>	Analytical Method: EPA 300.0								
Chloride	<b>34.8</b>	mg/L	5.0	2.5	1		11/28/13 16:56	16887-00-6	
<b>350.1 Ammonia</b>	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	<b>0.33</b>	mg/L	0.050	0.020	1		12/06/13 12:23	7664-41-7	
<b>9012 Cyanide, Total</b>	Analytical Method: EPA 9012 Preparation Method: EPA 9012								
Cyanide	<b>0.0020U</b>	mg/L	0.010	0.0020	1	12/12/13 18:30	12/13/13 15:50	57-12-5	Q

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

Sample: B87-6		Lab ID: 35117541005		Collected: 11/27/13 13:22		Received: 11/27/13 14:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method:									
Field pH	6.79	Std. Units			1		11/27/13 13:22		
Field Temperature	22.02	deg C			1		11/27/13 13:22		
Appearance	Color: none, Sheen: none				1		11/27/13 13:22		
Field Specific Conductance	511	umhos/cm			1		11/27/13 13:22		
Oxygen, Dissolved	0.16	mg/L			1		11/27/13 13:22	7782-44-7	
REDOX	-121.4	mV			1		11/27/13 13:22		
Turbidity	0.01	NTU			1		11/27/13 13:22		
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011		Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	0.0050U	ug/L	0.020	0.0050	1	12/04/13 15:00	12/05/13 02:40	96-12-8	
1,2-Dibromoethane (EDB)	0.0063U	ug/L	0.010	0.0063	1	12/04/13 15:00	12/05/13 02:40	106-93-4	
<b>8081 GCS Pesticides</b>									
Analytical Method: EPA 8081		Preparation Method: EPA 3510							
Aldrin	0.00048U	ug/L	0.0096	0.00048	1	12/01/13 16:00	12/03/13 18:13	309-00-2	
alpha-BHC	0.00029U	ug/L	0.0096	0.00029	1	12/01/13 16:00	12/03/13 18:13	319-84-6	
beta-BHC	0.00048U	ug/L	0.0096	0.00048	1	12/01/13 16:00	12/03/13 18:13	319-85-7	
delta-BHC	0.00038U	ug/L	0.0096	0.00038	1	12/01/13 16:00	12/03/13 18:13	319-86-8	
gamma-BHC (Lindane)	0.00019U	ug/L	0.0096	0.00019	1	12/01/13 16:00	12/03/13 18:13	58-89-9	
Chlordane (Technical)	0.077U	ug/L	0.48	0.077	1	12/01/13 16:00	12/03/13 18:13	57-74-9	
Chlorobenzilate	0.020U	ug/L	0.096	0.020	1	12/01/13 16:00	12/03/13 18:13	510-15-6	
4,4'-DDD	0.0018U	ug/L	0.0096	0.0018	1	12/01/13 16:00	12/03/13 18:13	72-54-8	
4,4'-DDE	0.00086U	ug/L	0.0096	0.00086	1	12/01/13 16:00	12/03/13 18:13	72-55-9	
4,4'-DDT	0.0034U	ug/L	0.0096	0.0034	1	12/01/13 16:00	12/03/13 18:13	50-29-3	
Dieldrin	0.00048U	ug/L	0.0096	0.00048	1	12/01/13 16:00	12/03/13 18:13	60-57-1	
Endosulfan I	0.00067U	ug/L	0.0096	0.00067	1	12/01/13 16:00	12/03/13 18:13	959-98-8	
Endosulfan II	0.00067U	ug/L	0.0096	0.00067	1	12/01/13 16:00	12/03/13 18:13	33213-65-9	
Endosulfan sulfate	0.00057U	ug/L	0.0096	0.00057	1	12/01/13 16:00	12/03/13 18:13	1031-07-8	
Endrin	0.0016U	ug/L	0.0096	0.0016	1	12/01/13 16:00	12/03/13 18:13	72-20-8	
Endrin aldehyde	0.0068U	ug/L	0.0096	0.0068	1	12/01/13 16:00	12/03/13 18:13	7421-93-4	
Heptachlor	0.0014U	ug/L	0.0096	0.0014	1	12/01/13 16:00	12/03/13 18:13	76-44-8	
Heptachlor epoxide	0.00038U	ug/L	0.0096	0.00038	1	12/01/13 16:00	12/03/13 18:13	1024-57-3	
Kepone	0.17U	ug/L	9.6	0.17	1	12/01/13 16:00	12/03/13 18:13	143-50-0	
Methoxychlor	0.0067U	ug/L	0.0096	0.0067	1	12/01/13 16:00	12/03/13 18:13	72-43-5	
Pentachloronitrobenzene	0.014U	ug/L	0.096	0.014	1	12/01/13 16:00	12/03/13 18:13	82-68-8	
Toxaphene	0.27U	ug/L	0.48	0.27	1	12/01/13 16:00	12/03/13 18:13	8001-35-2	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	83 %		66.5-120.3		1	12/01/13 16:00	12/03/13 18:13	877-09-8	
Decachlorobiphenyl (S)	67 %		41.7-109.1		1	12/01/13 16:00	12/03/13 18:13	2051-24-3	
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082		Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	0.077U	ug/L	0.48	0.077	1	12/01/13 16:00	12/03/13 18:59	12674-11-2	
PCB-1221 (Aroclor 1221)	0.078U	ug/L	0.48	0.078	1	12/01/13 16:00	12/03/13 18:59	11104-28-2	

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

Sample: B87-6		Lab ID: 35117541005		Collected: 11/27/13 13:22		Received: 11/27/13 14:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB</b> Analytical Method: EPA 8082 Preparation Method: EPA 3510									
PCB-1232 (Aroclor 1232)	0.11U	ug/L	0.48	0.11	1	12/01/13 16:00	12/03/13 18:59	11141-16-5	
PCB-1242 (Aroclor 1242)	0.12U	ug/L	0.48	0.12	1	12/01/13 16:00	12/03/13 18:59	53469-21-9	
PCB-1248 (Aroclor 1248)	0.26U	ug/L	0.48	0.26	1	12/01/13 16:00	12/03/13 18:59	12672-29-6	
PCB-1254 (Aroclor 1254)	0.14U	ug/L	0.48	0.14	1	12/01/13 16:00	12/03/13 18:59	11097-69-1	
PCB-1260 (Aroclor 1260)	0.11U	ug/L	0.48	0.11	1	12/01/13 16:00	12/03/13 18:59	11096-82-5	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	93 %		48-111		1	12/01/13 16:00	12/03/13 18:59	877-09-8	
Decachlorobiphenyl (S)	74 %		63-121		1	12/01/13 16:00	12/03/13 18:59	2051-24-3	
<b>8141 GCS O/P Pesticides</b> Analytical Method: EPA 8141 Preparation Method: EPA 3510									
Dimethoate	0.23U	ug/L	0.48	0.23	1	12/03/13 09:00	12/03/13 15:59	60-51-5	
Disulfoton	0.24U	ug/L	0.48	0.24	1	12/03/13 09:00	12/03/13 15:59	298-04-4	
Famphur	0.28U	ug/L	0.48	0.28	1	12/03/13 09:00	12/03/13 15:59	52-85-7	
Methyl parathion	0.26U	ug/L	0.48	0.26	1	12/03/13 09:00	12/03/13 15:59	298-00-0	
Parathion (Ethyl parathion)	0.45U	ug/L	0.96	0.45	1	12/03/13 09:00	12/03/13 15:59	56-38-2	L3
Phorate	0.40U	ug/L	0.96	0.40	1	12/03/13 09:00	12/03/13 15:59	298-02-2	L3
<b>Surrogates</b>									
4-Chloro3nitrobenzotrifluoride	48 %		34.2-122		1	12/03/13 09:00	12/03/13 15:59		
<b>8151 Chlorinated Herbicides</b> Analytical Method: EPA 8151 Preparation Method: EPA 8151									
2,4-D	0.21U	ug/L	0.90	0.21	1	12/02/13 08:05	12/03/13 23:55	94-75-7	
Dinoseb	0.055U	ug/L	0.18	0.055	1	12/02/13 08:05	12/03/13 23:55	88-85-7	
Pentachlorophenol	0.016U	ug/L	0.027	0.016	1	12/02/13 08:05	12/03/13 23:55	87-86-5	
2,4,5-T	0.040U	ug/L	0.18	0.040	1	12/02/13 08:05	12/03/13 23:55	93-76-5	
2,4,5-TP (Silvex)	0.047U	ug/L	0.18	0.047	1	12/02/13 08:05	12/03/13 23:55	93-72-1	
<b>Surrogates</b>									
2,4-DCAA (S)	94 %		42-142		1	12/02/13 08:05	12/03/13 23:55	19719-28-9	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:20	7440-38-2	
Barium	23.9	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:20	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 17:20	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 17:20	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:20	7440-47-3	
Cobalt	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:20	7440-48-4	
Copper	2.5U	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:20	7440-50-8	
Iron	3240	ug/L	40.0	20.0	1	12/02/13 13:02	12/03/13 17:20	7439-89-6	
Lead	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:20	7439-92-1	
Nickel	2.5U	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:20	7440-02-0	
Selenium	7.5U	ug/L	15.0	7.5	1	12/02/13 13:02	12/03/13 17:20	7782-49-2	
Silver	2.5U	ug/L	5.0	2.5	1	12/02/13 13:02	12/03/13 17:20	7440-22-4	
Sodium	22.8	mg/L	1.0	0.50	1	12/02/13 13:02	12/03/13 17:20	7440-23-5	
Tin	25.0U	ug/L	50.0	25.0	1	12/02/13 13:02	12/03/13 17:20	7440-31-5	
Vanadium	5.0U	ug/L	10.0	5.0	1	12/02/13 13:02	12/03/13 17:20	7440-62-2	
Zinc	10.0U	ug/L	20.0	10.0	1	12/02/13 13:02	12/03/13 17:20	7440-66-6	

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

**Sample: B87-6**      **Lab ID: 35117541005**      Collected: 11/27/13 13:22      Received: 11/27/13 14:40      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b> Analytical Method: EPA 6020      Preparation Method: EPA 3010									
Antimony	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 15:11	7440-36-0	
Thallium	0.50U	ug/L	1.0	0.50	1	12/02/13 13:02	12/03/13 15:11	7440-28-0	
<b>7470 Mercury</b> Analytical Method: EPA 7470      Preparation Method: EPA 7470									
Mercury	0.10U	ug/L	0.20	0.10	1	12/03/13 10:45	12/04/13 10:29	7439-97-6	
<b>8270 MSSV SemiVOA App. II</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Acenaphthene	0.82U	ug/L	4.8	0.82	1	12/04/13 07:30	12/05/13 04:15	83-32-9	
Acenaphthylene	0.91U	ug/L	4.8	0.91	1	12/04/13 07:30	12/05/13 04:15	208-96-8	
Acetophenone	1.4U	ug/L	4.8	1.4	1	12/04/13 07:30	12/05/13 04:15	98-86-2	
2-Acetylaminofluorene	2.3U	ug/L	4.8	2.3	1	12/04/13 07:30	12/05/13 04:15	53-96-3	
4-Aminobiphenyl	0.33U	ug/L	4.8	0.33	1	12/04/13 07:30	12/05/13 04:15	92-67-1	
Anthracene	0.57U	ug/L	4.8	0.57	1	12/04/13 07:30	12/05/13 04:15	120-12-7	
Benzo(a)anthracene	0.60U	ug/L	4.8	0.60	1	12/04/13 07:30	12/05/13 04:15	56-55-3	
Benzo(a)pyrene	0.55U	ug/L	0.95	0.55	1	12/04/13 07:30	12/05/13 04:15	50-32-8	
Benzo(b)fluoranthene	0.59U	ug/L	1.9	0.59	1	12/04/13 07:30	12/05/13 04:15	205-99-2	
Benzo(g,h,i)perylene	0.65U	ug/L	4.8	0.65	1	12/04/13 07:30	12/05/13 04:15	191-24-2	
Benzo(k)fluoranthene	0.49U	ug/L	3.8	0.49	1	12/04/13 07:30	12/05/13 04:15	207-08-9	
Benzyl alcohol	0.27U	ug/L	4.8	0.27	1	12/04/13 07:30	12/05/13 04:15	100-51-6	
4-Bromophenylphenyl ether	0.64U	ug/L	4.8	0.64	1	12/04/13 07:30	12/05/13 04:15	101-55-3	
Butylbenzylphthalate	0.69U	ug/L	4.8	0.69	1	12/04/13 07:30	12/05/13 04:15	85-68-7	
4-Chloro-3-methylphenol	0.59U	ug/L	19.1	0.59	1	12/04/13 07:30	12/05/13 04:15	59-50-7	
4-Chloroaniline	1.2U	ug/L	4.8	1.2	1	12/04/13 07:30	12/05/13 04:15	106-47-8	
bis(2-Chloroethoxy)methane	2.8U	ug/L	4.8	2.8	1	12/04/13 07:30	12/05/13 04:15	111-91-1	
bis(2-Chloroethyl) ether	0.71U	ug/L	3.8	0.71	1	12/04/13 07:30	12/05/13 04:15	111-44-4	
bis(2-Chloroisopropyl) ether	0.70U	ug/L	4.8	0.70	1	12/04/13 07:30	12/05/13 04:15	108-60-1	
2-Chloronaphthalene	0.76U	ug/L	4.8	0.76	1	12/04/13 07:30	12/05/13 04:15	91-58-7	
2-Chlorophenol	0.65U	ug/L	4.8	0.65	1	12/04/13 07:30	12/05/13 04:15	95-57-8	
4-Chlorophenylphenyl ether	0.60U	ug/L	4.8	0.60	1	12/04/13 07:30	12/05/13 04:15	7005-72-3	
Chrysene	0.35U	ug/L	4.8	0.35	1	12/04/13 07:30	12/05/13 04:15	218-01-9	
Diallylate	0.31U	ug/L	4.8	0.31	1	12/04/13 07:30	12/05/13 04:15	2303-16-4	
Dibenz(a,h)anthracene	0.62U	ug/L	1.9	0.62	1	12/04/13 07:30	12/05/13 04:15	53-70-3	
Dibenzofuran	0.64U	ug/L	4.8	0.64	1	12/04/13 07:30	12/05/13 04:15	132-64-9	
1,2-Dichlorobenzene	0.65U	ug/L	4.8	0.65	1	12/04/13 07:30	12/05/13 04:15	95-50-1	
1,3-Dichlorobenzene	0.72U	ug/L	4.8	0.72	1	12/04/13 07:30	12/05/13 04:15	541-73-1	
1,4-Dichlorobenzene	0.73U	ug/L	4.8	0.73	1	12/04/13 07:30	12/05/13 04:15	106-46-7	
3,3'-Dichlorobenzidine	0.66U	ug/L	9.5	0.66	1	12/04/13 07:30	12/05/13 04:15	91-94-1	
2,4-Dichlorophenol	0.53U	ug/L	1.9	0.53	1	12/04/13 07:30	12/05/13 04:15	120-83-2	
2,6-Dichlorophenol	0.36U	ug/L	3.8	0.36	1	12/04/13 07:30	12/05/13 04:15	87-65-0	
Diethylphthalate	0.49U	ug/L	4.8	0.49	1	12/04/13 07:30	12/05/13 04:15	84-66-2	
P-Dimethylaminoazobenzene	0.29U	ug/L	4.8	0.29	1	12/04/13 07:30	12/05/13 04:15	60-11-7	N2
7,12-Dimethylbenz(a)anthracene	0.63U	ug/L	4.8	0.63	1	12/04/13 07:30	12/05/13 04:15	57-97-6	
3,3'-Dimethylbenzidine	0.58U	ug/L	9.5	0.58	1	12/04/13 07:30	12/05/13 04:15	119-93-7	
2,4-Dimethylphenol	1.5U	ug/L	4.8	1.5	1	12/04/13 07:30	12/05/13 04:15	105-67-9	
a,a-Dimethylphenylethylamine	9.5U	ug/L	19.1	9.5	1	12/04/13 07:30	12/05/13 04:15	122-09-8	
Dimethylphthalate	0.61U	ug/L	4.8	0.61	1	12/04/13 07:30	12/05/13 04:15	131-11-3	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

**Sample: B87-6**      **Lab ID: 35117541005**      Collected: 11/27/13 13:22      Received: 11/27/13 14:40      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV SemiVOA App. II</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Di-n-butylphthalate	0.39U	ug/L	4.8	0.39	1	12/04/13 07:30	12/05/13 04:15	84-74-2	
4,6-Dinitro-2-methylphenol	1.3U	ug/L	19.1	1.3	1	12/04/13 07:30	12/05/13 04:15	534-52-1	N2
1,3-Dinitrobenzene	0.28U	ug/L	7.6	0.28	1	12/04/13 07:30	12/05/13 04:15	99-65-0	
2,4-Dinitrophenol	1.5U	ug/L	19.1	1.5	1	12/04/13 07:30	12/05/13 04:15	51-28-5	
2,4-Dinitrotoluene	0.50U	ug/L	1.9	0.50	1	12/04/13 07:30	12/05/13 04:15	121-14-2	
2,6-Dinitrotoluene	1.2U	ug/L	1.9	1.2	1	12/04/13 07:30	12/05/13 04:15	606-20-2	N2
Di-n-octylphthalate	0.86U	ug/L	4.8	0.86	1	12/04/13 07:30	12/05/13 04:15	117-84-0	
bis(2-Ethylhexyl)phthalate	0.76U	ug/L	4.8	0.76	1	12/04/13 07:30	12/05/13 04:15	117-81-7	
Ethyl methanesulfonate	0.36U	ug/L	4.8	0.36	1	12/04/13 07:30	12/05/13 04:15	62-50-0	
Fluoranthene	0.51U	ug/L	4.8	0.51	1	12/04/13 07:30	12/05/13 04:15	206-44-0	
Fluorene	0.53U	ug/L	4.8	0.53	1	12/04/13 07:30	12/05/13 04:15	86-73-7	
Hexachlorobenzene	0.76U	ug/L	0.95	0.76	1	12/04/13 07:30	12/05/13 04:15	118-74-1	
Hexachlorocyclopentadiene	1.2U	ug/L	4.8	1.2	1	12/04/13 07:30	12/05/13 04:15	77-47-4	
Hexachloroethane	0.68U	ug/L	4.8	0.68	1	12/04/13 07:30	12/05/13 04:15	67-72-1	
Hexachloropropene	0.36U	ug/L	4.8	0.36	1	12/04/13 07:30	12/05/13 04:15	1888-71-7	
Indeno(1,2,3-cd)pyrene	0.70U	ug/L	1.9	0.70	1	12/04/13 07:30	12/05/13 04:15	193-39-5	
Isodrin	0.29U	ug/L	4.8	0.29	1	12/04/13 07:30	12/05/13 04:15	465-73-6	
Isophorone	0.70U	ug/L	4.8	0.70	1	12/04/13 07:30	12/05/13 04:15	78-59-1	
Isosafrole	0.27U	ug/L	4.8	0.27	1	12/04/13 07:30	12/05/13 04:15	120-58-1	
Methapyrilene	0.94U	ug/L	4.8	0.94	1	12/04/13 07:30	12/05/13 04:15	91-80-5	
3-Methylcholanthrene	0.27U	ug/L	4.8	0.27	1	12/04/13 07:30	12/05/13 04:15	56-49-5	
Methyl methanesulfonate	0.10U	ug/L	4.8	0.10	1	12/04/13 07:30	12/05/13 04:15	66-27-3	
2-Methylnaphthalene	0.94U	ug/L	4.8	0.94	1	12/04/13 07:30	12/05/13 04:15	91-57-6	
2-Methylphenol(o-Cresol)	0.70U	ug/L	4.8	0.70	1	12/04/13 07:30	12/05/13 04:15	95-48-7	
3&4-Methylphenol(m&p Cresol)	0.63U	ug/L	9.5	0.63	1	12/04/13 07:30	12/05/13 04:15		
1-Naphthylamine	0.64U	ug/L	4.8	0.64	1	12/04/13 07:30	12/05/13 04:15	134-32-7	
2-Naphthylamine	0.65U	ug/L	4.8	0.65	1	12/04/13 07:30	12/05/13 04:15	91-59-8	
Naphthalene	0.74U	ug/L	4.8	0.74	1	12/04/13 07:30	12/05/13 04:15	91-20-3	
1,4-Naphthoquinone	0.29U	ug/L	4.8	0.29	1	12/04/13 07:30	12/05/13 04:15	130-15-4	
2-Nitroaniline	0.57U	ug/L	4.8	0.57	1	12/04/13 07:30	12/05/13 04:15	88-74-4	
3-Nitroaniline	0.94U	ug/L	4.8	0.94	1	12/04/13 07:30	12/05/13 04:15	99-09-2	
4-Nitroaniline	0.66U	ug/L	3.8	0.66	1	12/04/13 07:30	12/05/13 04:15	100-01-6	
Nitrobenzene	1.0U	ug/L	3.8	1.0	1	12/04/13 07:30	12/05/13 04:15	98-95-3	
2-Nitrophenol	0.77U	ug/L	4.8	0.77	1	12/04/13 07:30	12/05/13 04:15	88-75-5	
4-Nitrophenol	1.0U	ug/L	19.1	1.0	1	12/04/13 07:30	12/05/13 04:15	100-02-7	
5-Nitro-o-toluidine	0.35U	ug/L	4.8	0.35	1	12/04/13 07:30	12/05/13 04:15	99-55-8	
N-Nitrosodiethylamine	0.36U	ug/L	3.8	0.36	1	12/04/13 07:30	12/05/13 04:15	55-18-5	
N-Nitrosodimethylamine	0.92U	ug/L	1.9	0.92	1	12/04/13 07:30	12/05/13 04:15	62-75-9	
N-Nitroso-di-n-butylamine	1.1U	ug/L	3.8	1.1	1	12/04/13 07:30	12/05/13 04:15	924-16-3	
N-Nitroso-di-n-propylamine	0.90U	ug/L	3.8	0.90	1	12/04/13 07:30	12/05/13 04:15	621-64-7	
N-Nitrosodiphenylamine	0.48U	ug/L	4.8	0.48	1	12/04/13 07:30	12/05/13 04:15	86-30-6	
N-Nitrosomethylethylamine	0.46U	ug/L	4.8	0.46	1	12/04/13 07:30	12/05/13 04:15	10595-95-6	
N-Nitrosopiperidine	0.35U	ug/L	4.8	0.35	1	12/04/13 07:30	12/05/13 04:15	100-75-4	
N-Nitrosopyrrolidine	0.30U	ug/L	4.8	0.30	1	12/04/13 07:30	12/05/13 04:15	930-55-2	
O,O,O-Triethylphosphorothioate	0.11U	ug/L	4.8	0.11	1	12/04/13 07:30	12/05/13 04:15	126-68-1	
Pentachlorobenzene	0.25U	ug/L	4.8	0.25	1	12/04/13 07:30	12/05/13 04:15	608-93-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

**Sample: B87-6**      **Lab ID: 35117541005**      Collected: 11/27/13 13:22      Received: 11/27/13 14:40      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV SemiVOA App. II</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Phenacetin	0.15U	ug/L	4.8	0.15	1	12/04/13 07:30	12/05/13 04:15	62-44-2	
Phenanthrene	0.50U	ug/L	4.8	0.50	1	12/04/13 07:30	12/05/13 04:15	85-01-8	
Phenol	0.51U	ug/L	4.8	0.51	1	12/04/13 07:30	12/05/13 04:15	108-95-2	
p-Phenylenediamine	9.5U	ug/L	19.1	9.5	1	12/04/13 07:30	12/05/13 04:15	106-50-3	N2
Pronamide	0.31U	ug/L	4.8	0.31	1	12/04/13 07:30	12/05/13 04:15	23950-58-5	
Pyrene	0.65U	ug/L	4.8	0.65	1	12/04/13 07:30	12/05/13 04:15	129-00-0	
Safrole	0.17U	ug/L	4.8	0.17	1	12/04/13 07:30	12/05/13 04:15	94-59-7	
1,2,4,5-Tetrachlorobenzene	0.67U	ug/L	4.8	0.67	1	12/04/13 07:30	12/05/13 04:15	95-94-3	
2,3,4,6-Tetrachlorophenol	3.7U	ug/L	4.8	3.7	1	12/04/13 07:30	12/05/13 04:15	58-90-2	
Thionazin	0.34U	ug/L	4.8	0.34	1	12/04/13 07:30	12/05/13 04:15	297-97-2	
O-Toluidine	0.28U	ug/L	4.8	0.28	1	12/04/13 07:30	12/05/13 04:15	95-53-4	
2,4,5-Trichlorophenol	0.50U	ug/L	3.8	0.50	1	12/04/13 07:30	12/05/13 04:15	95-95-4	
2,4,6-Trichlorophenol	0.66U	ug/L	1.9	0.66	1	12/04/13 07:30	12/05/13 04:15	88-06-2	
1,3,5-Trinitrobenzene	1.2U	ug/L	4.8	1.2	1	12/04/13 07:30	12/05/13 04:15	99-35-4	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	42 %		22-120		1	12/04/13 07:30	12/05/13 04:15	4165-60-0	
2-Fluorobiphenyl (S)	49 %		34-120		1	12/04/13 07:30	12/05/13 04:15	321-60-8	
Terphenyl-d14 (S)	53 %		39-138		1	12/04/13 07:30	12/05/13 04:15	1718-51-0	
Phenol-d6 (S)	8 %		10-120		1	12/04/13 07:30	12/05/13 04:15	13127-88-3	J(S0)
2-Fluorophenol (S)	13 %		10-120		1	12/04/13 07:30	12/05/13 04:15	367-12-4	
2,4,6-Tribromophenol (S)	60 %		35-146		1	12/04/13 07:30	12/05/13 04:15	118-79-6	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Acetone	10.0U	ug/L	20.0	10.0	1		12/07/13 16:48	67-64-1	L3
Acetonitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 16:48	75-05-8	
Acrolein	10.0U	ug/L	20.0	10.0	1		12/07/13 16:48	107-02-8	L3
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 16:48	107-13-1	L3
Allyl chloride	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	107-05-1	
Benzene	0.10U	ug/L	1.0	0.10	1		12/07/13 16:48	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		12/07/13 16:48	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		12/07/13 16:48	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		12/07/13 16:48	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		12/07/13 16:48	74-87-3	
Chloroprene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	126-99-8	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		12/07/13 16:48	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	74-95-3	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		12/07/13 16:48	110-57-6	
Dichlorodifluoromethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	75-71-8	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	75-34-3	

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

**Sample: B87-6**      **Lab ID: 35117541005**      Collected: 11/27/13 13:22      Received: 11/27/13 14:40      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	78-87-5	
1,3-Dichloropropane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	142-28-9	
2,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	594-20-7	
1,1-Dichloropropene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	563-58-6	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		12/07/13 16:48	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		12/07/13 16:48	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	100-41-4	
Ethyl methacrylate	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	97-63-2	
Hexachloro-1,3-butadiene	0.40U	ug/L	1.0	0.40	1		12/07/13 16:48	87-68-3	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		12/07/13 16:48	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	74-88-4	
Isobutyl Alcohol	10.0U	ug/L	20.0	10.0	1		12/07/13 16:48	78-83-1	
Methacrylonitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 16:48	126-98-7	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		12/07/13 16:48	75-09-2	
Methyl methacrylate	5.0U	ug/L	10.0	5.0	1		12/07/13 16:48	80-62-6	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		12/07/13 16:48	108-10-1	
Propionitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 16:48	107-12-0	
Styrene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		12/07/13 16:48	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	108-88-3	
1,2,4-Trichlorobenzene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	120-82-1	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		12/07/13 16:48	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		12/07/13 16:48	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		12/07/13 16:48	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95 %		70-114		1		12/07/13 16:48	460-00-4	
1,2-Dichloroethane-d4 (S)	98 %		86-125		1		12/07/13 16:48	17060-07-0	
Toluene-d8 (S)	99 %		87-113		1		12/07/13 16:48	2037-26-5	

**2540C Total Dissolved Solids**      Analytical Method: SM 2540C

Total Dissolved Solids	334	mg/L	5.0	5.0	1		12/03/13 11:46		
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**9034 Sulfide Water**      Analytical Method: EPA 9034

Sulfide	1.0U	mg/L	1.0	1.0	1		12/03/13 15:38	18496-25-8	
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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

Sample: B87-6		Lab ID: 35117541005		Collected: 11/27/13 13:22		Received: 11/27/13 14:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>	Analytical Method: EPA 300.0								
Nitrate as N	<b>0.043U</b>	mg/L	0.050	0.043	1		11/28/13 13:52	14797-55-8	
<b>300.0 IC Anions 28 Days</b>	Analytical Method: EPA 300.0								
Chloride	<b>25.4</b>	mg/L	5.0	2.5	1		11/28/13 13:52	16887-00-6	
<b>350.1 Ammonia</b>	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	<b>0.11</b>	mg/L	0.050	0.020	1		12/06/13 12:24	7664-41-7	
<b>9012 Cyanide, Total</b>	Analytical Method: EPA 9012 Preparation Method: EPA 9012								
Cyanide	<b>0.0020U</b>	mg/L	0.010	0.0020	1	12/12/13 18:30	12/13/13 15:26	57-12-5	Q

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

**Sample:** Trip Blank 11/27/13 **Lab ID:** 35117541006 **Collected:** 11/27/13 13:22 **Received:** 11/27/13 14:40 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	10.0U	ug/L	20.0	10.0	1		12/07/13 17:13	67-64-1	L3
Acetonitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 17:13	75-05-8	
Acrolein	10.0U	ug/L	20.0	10.0	1		12/07/13 17:13	107-02-8	L3
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 17:13	107-13-1	L3
Allyl chloride	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	107-05-1	
Benzene	0.10U	ug/L	1.0	0.10	1		12/07/13 17:13	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		12/07/13 17:13	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	75-25-2	
Bromomethane	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		12/07/13 17:13	78-93-3	
Carbon disulfide	5.0U	ug/L	10.0	5.0	1		12/07/13 17:13	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		12/07/13 17:13	74-87-3	
Chloroprene	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	126-99-8	
1,2-Dibromo-3-chloropropane	1.0U	ug/L	2.0	1.0	1		12/07/13 17:13	96-12-8	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		12/07/13 17:13	124-48-1	
1,2-Dibromoethane (EDB)	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	106-93-4	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	74-95-3	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		12/07/13 17:13	110-57-6	
Dichlorodifluoromethane	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	75-71-8	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	78-87-5	
1,3-Dichloropropane	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	142-28-9	
2,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	594-20-7	
1,1-Dichloropropene	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	563-58-6	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		12/07/13 17:13	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		12/07/13 17:13	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	100-41-4	
Ethyl methacrylate	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	97-63-2	
Hexachloro-1,3-butadiene	0.40U	ug/L	1.0	0.40	1		12/07/13 17:13	87-68-3	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		12/07/13 17:13	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	74-88-4	
Isobutyl Alcohol	10.0U	ug/L	20.0	10.0	1		12/07/13 17:13	78-83-1	
Methacrylonitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 17:13	126-98-7	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		12/07/13 17:13	75-09-2	
Methyl methacrylate	5.0U	ug/L	10.0	5.0	1		12/07/13 17:13	80-62-6	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		12/07/13 17:13	108-10-1	
Propionitrile	5.0U	ug/L	10.0	5.0	1		12/07/13 17:13	107-12-0	

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## ANALYTICAL RESULTS

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

**Sample:** Trip Blank 11/27/13 **Lab ID:** 35117541006 Collected: 11/27/13 13:22 Received: 11/27/13 14:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Styrene	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	630-20-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		12/07/13 17:13	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	108-88-3	
1,2,4-Trichlorobenzene	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	120-82-1	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		12/07/13 17:13	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		12/07/13 17:13	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		12/07/13 17:13	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-114		1		12/07/13 17:13	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	86-125		1		12/07/13 17:13	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		12/07/13 17:13	2037-26-5	

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

QC Batch: MERP/4265 Analysis Method: EPA 7470  
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

METHOD BLANK: 779005 Matrix: Water  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	12/04/13 09:24	

LABORATORY CONTROL SAMPLE: 779006

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 779007 779008

Parameter	Units	35117541005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10U	2	2	1.8	1.8	92	90	80-120	2	20	

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

QC Batch: MPRP/16080

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

METHOD BLANK: 778342

Matrix: Water

Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	12/04/13 19:15	
Barium	ug/L	5.0U	10.0	12/04/13 19:15	
Beryllium	ug/L	0.50U	1.0	12/04/13 19:15	
Cadmium	ug/L	0.50U	1.0	12/04/13 19:15	
Chromium	ug/L	2.5U	5.0	12/04/13 19:15	
Cobalt	ug/L	5.0U	10.0	12/04/13 19:15	
Copper	ug/L	2.5U	5.0	12/04/13 19:15	
Iron	ug/L	20.0U	40.0	12/04/13 19:15	
Lead	ug/L	5.0U	10.0	12/04/13 19:15	
Nickel	ug/L	2.5U	5.0	12/04/13 19:15	
Selenium	ug/L	7.5U	15.0	12/04/13 19:15	
Silver	ug/L	2.5U	5.0	12/04/13 19:15	
Sodium	mg/L	0.50U	1.0	12/04/13 19:15	
Tin	ug/L	25.0U	50.0	12/04/13 19:15	
Vanadium	ug/L	5.0U	10.0	12/04/13 19:15	
Zinc	ug/L	10.0U	20.0	12/04/13 19:15	

LABORATORY CONTROL SAMPLE: 778343

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	252	101	80-120	
Barium	ug/L	250	252	101	80-120	
Beryllium	ug/L	25	26.8	107	80-120	
Cadmium	ug/L	25	25.6	102	80-120	
Chromium	ug/L	250	263	105	80-120	
Cobalt	ug/L	250	258	103	80-120	
Copper	ug/L	250	271	108	80-120	
Iron	ug/L	2500	2400	96	80-120	
Lead	ug/L	250	270	108	80-120	
Nickel	ug/L	250	269	107	80-120	
Selenium	ug/L	250	259	104	80-120	
Silver	ug/L	25	25.9	104	80-120	
Sodium	mg/L	12.5	13.1	105	80-120	
Tin	ug/L	1250	1310	105	80-120	
Vanadium	ug/L	250	262	105	80-120	
Zinc	ug/L	1250	1270	102	80-120	

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 778344											
778345											
Parameter	Units	35117513001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Arsenic	ug/L	5.0U	250	250	253	253	101	101	75-125	.1	20
Barium	ug/L	7.6 I	250	250	264	263	103	102	75-125	.5	20
Beryllium	ug/L	0.50U	25	25	26.8	26.4	107	105	75-125	1	20
Cadmium	ug/L	0.50U	25	25	25.6	25.5	102	102	75-125	.3	20
Chromium	ug/L	2.5U	250	250	264	261	105	104	75-125	1	20
Cobalt	ug/L	5.0U	250	250	256	255	102	102	75-125	.2	20
Copper	ug/L	5.0 I	250	250	277	269	109	106	75-125	3	20
Iron	ug/L	71.7	2500	2500	2520	2510	98	97	75-125	.6	20
Lead	ug/L	5.0U	250	250	263	263	105	105	75-125	.2	20
Nickel	ug/L	2.5U	250	250	266	265	106	106	75-125	.4	20
Selenium	ug/L	7.5U	250	250	257	257	102	102	75-125	.2	20
Silver	ug/L	2.5U	25	25	26.0	25.8	104	103	75-125	.5	20
Sodium	mg/L	4.8	12.5	12.5	17.6	17.6	102	102	75-125	.2	20
Tin	ug/L	25.0U	1250	1250	1310	1300	105	104	75-125	.8	20
Vanadium	ug/L	5.0U	250	250	266	262	105	104	75-125	2	20
Zinc	ug/L	10.0U	1250	1250	1280	1270	102	101	75-125	.5	20

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

QC Batch: MPRP/16081 Analysis Method: EPA 6020  
QC Batch Method: EPA 3010 Analysis Description: 6020 MET  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

METHOD BLANK: 778346 Matrix: Water  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	12/03/13 14:24	
Thallium	ug/L	0.50U	1.0	12/03/13 14:24	

LABORATORY CONTROL SAMPLE: 778347

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	47.6	95	80-120	
Thallium	ug/L	50	52.5	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 778348 778349

Parameter	Units	35117513002 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	46.2	47.2	92	94	70-130	2	20	
Thallium	ug/L	0.50U	50	50	52.7	54.1	105	108	70-130	3	20	

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

QC Batch: MSV/10328

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005, 35117541006

METHOD BLANK: 783472

Matrix: Water

Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005, 35117541006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	12/07/13 10:38	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	12/07/13 10:38	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	12/07/13 10:38	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	12/07/13 10:38	
1,1-Dichloroethane	ug/L	0.50U	1.0	12/07/13 10:38	
1,1-Dichloroethene	ug/L	0.50U	1.0	12/07/13 10:38	
1,1-Dichloropropene	ug/L	0.50U	1.0	12/07/13 10:38	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	12/07/13 10:38	
1,2,4-Trichlorobenzene	ug/L	0.50U	1.0	12/07/13 10:38	
1,2-Dibromo-3-chloropropane	ug/L	1.0U	2.0	12/07/13 10:38	
1,2-Dibromoethane (EDB)	ug/L	0.50U	1.0	12/07/13 10:38	
1,2-Dichloroethane	ug/L	0.50U	1.0	12/07/13 10:38	
1,2-Dichloropropane	ug/L	0.50U	1.0	12/07/13 10:38	
1,3-Dichloropropane	ug/L	0.50U	1.0	12/07/13 10:38	
2,2-Dichloropropane	ug/L	0.50U	1.0	12/07/13 10:38	
2-Butanone (MEK)	ug/L	5.0U	10.0	12/07/13 10:38	
2-Hexanone	ug/L	5.0U	10.0	12/07/13 10:38	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	12/07/13 10:38	
Acetone	ug/L	10.0U	20.0	12/07/13 10:38	
Acetonitrile	ug/L	5.0U	10.0	12/07/13 10:38	
Acrolein	ug/L	10.0U	20.0	12/07/13 10:38	
Acrylonitrile	ug/L	5.0U	10.0	12/07/13 10:38	
Allyl chloride	ug/L	0.50U	1.0	12/07/13 10:38	
Benzene	ug/L	0.10U	1.0	12/07/13 10:38	
Bromochloromethane	ug/L	0.50U	1.0	12/07/13 10:38	
Bromodichloromethane	ug/L	0.27U	0.60	12/07/13 10:38	
Bromoform	ug/L	0.50U	1.0	12/07/13 10:38	
Bromomethane	ug/L	0.50U	1.0	12/07/13 10:38	
Carbon disulfide	ug/L	5.0U	10.0	12/07/13 10:38	
Carbon tetrachloride	ug/L	0.50U	1.0	12/07/13 10:38	
Chlorobenzene	ug/L	0.50U	1.0	12/07/13 10:38	
Chloroethane	ug/L	0.50U	1.0	12/07/13 10:38	
Chloroform	ug/L	0.50U	1.0	12/07/13 10:38	
Chloromethane	ug/L	0.62U	1.0	12/07/13 10:38	
Chloroprene	ug/L	0.50U	1.0	12/07/13 10:38	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	12/07/13 10:38	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	12/07/13 10:38	
Dibromochloromethane	ug/L	0.26U	0.50	12/07/13 10:38	
Dibromomethane	ug/L	0.50U	1.0	12/07/13 10:38	
Dichlorodifluoromethane	ug/L	0.50U	1.0	12/07/13 10:38	
Ethyl methacrylate	ug/L	0.50U	1.0	12/07/13 10:38	
Ethylbenzene	ug/L	0.50U	1.0	12/07/13 10:38	
Hexachloro-1,3-butadiene	ug/L	0.40U	1.0	12/07/13 10:38	

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

PACE Project No.: 35117541

METHOD BLANK: 783472

Matrix: Water

Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005, 35117541006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iodomethane	ug/L	0.50U	1.0	12/07/13 10:38	
Isobutyl Alcohol	ug/L	10.0U	20.0	12/07/13 10:38	
Methacrylonitrile	ug/L	5.0U	10.0	12/07/13 10:38	
Methyl methacrylate	ug/L	5.0U	10.0	12/07/13 10:38	
Methylene Chloride	ug/L	2.5U	5.0	12/07/13 10:38	
Propionitrile	ug/L	5.0U	10.0	12/07/13 10:38	
Styrene	ug/L	0.50U	1.0	12/07/13 10:38	
Tetrachloroethene	ug/L	0.50U	1.0	12/07/13 10:38	
Toluene	ug/L	0.50U	1.0	12/07/13 10:38	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	12/07/13 10:38	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	12/07/13 10:38	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	12/07/13 10:38	
Trichloroethene	ug/L	0.50U	1.0	12/07/13 10:38	
Trichlorofluoromethane	ug/L	0.50U	1.0	12/07/13 10:38	
Vinyl acetate	ug/L	1.0U	2.0	12/07/13 10:38	
Vinyl chloride	ug/L	0.50U	1.0	12/07/13 10:38	
Xylene (Total)	ug/L	0.50U	1.0	12/07/13 10:38	
1,2-Dichloroethane-d4 (S)	%	100	86-125	12/07/13 10:38	
4-Bromofluorobenzene (S)	%	98	70-114	12/07/13 10:38	
Toluene-d8 (S)	%	100	87-113	12/07/13 10:38	

LABORATORY CONTROL SAMPLE: 783473

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.7	93	70-130	
1,1,1-Trichloroethane	ug/L	20	19.9	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.9	99	70-130	
1,1,2-Trichloroethane	ug/L	20	18.5	92	70-130	
1,1-Dichloroethane	ug/L	20	20.7	104	70-130	
1,1-Dichloroethene	ug/L	20	21.4	107	70-130	
1,1-Dichloropropene	ug/L	20	17.8	89	70-130	
1,2,3-Trichloropropane	ug/L	20	17.4	87	70-130	
1,2,4-Trichlorobenzene	ug/L	20	18.4	92	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	19.7	98	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	19.5	97	70-130	
1,2-Dichloroethane	ug/L	20	19.7	98	70-130	
1,2-Dichloropropane	ug/L	20	17.1	85	70-130	
1,3-Dichloropropane	ug/L	20	16.6	83	70-130	
2,2-Dichloropropane	ug/L	20	20.7	103	70-131	
2-Butanone (MEK)	ug/L	40	43.2	108	55-167	
2-Hexanone	ug/L	40	47.3	118	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	44.0	110	70-130	
Acetone	ug/L	40	68.8	172	40-150 J(L0)	
Acetonitrile	ug/L	200	205	103	63-138	
Acrolein	ug/L	100	204	204	44-170 J(L0)	

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

LABORATORY CONTROL SAMPLE: 783473

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acrylonitrile	ug/L	100	224	224	70-130	J(L0)
Allyl chloride	ug/L	20	20.6	103	70-130	
Benzene	ug/L	20	20.7	104	70-130	
Bromochloromethane	ug/L	20	18.5	92	70-130	
Bromodichloromethane	ug/L	20	19.5	98	70-130	
Bromoform	ug/L	20	18.1	91	68-130	
Bromomethane	ug/L	20	22.0	110	38-179	
Carbon disulfide	ug/L	20	22.0	110	51-155	
Carbon tetrachloride	ug/L	20	19.9	100	70-130	
Chlorobenzene	ug/L	20	20.0	100	70-130	
Chloroethane	ug/L	20	19.7	98	59-149	
Chloroform	ug/L	20	18.9	94	70-130	
Chloromethane	ug/L	20	18.9	95	68-130	
Chloroprene	ug/L	20	21.4	107	70-130	
cis-1,2-Dichloroethene	ug/L	20	19.3	97	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.6	88	70-130	
Dibromochloromethane	ug/L	20	19.1	95	70-130	
Dibromomethane	ug/L	20	18.9	95	70-130	
Dichlorodifluoromethane	ug/L	20	19.4	97	67-130	
Ethyl methacrylate	ug/L	20	19.6	98	70-130	
Ethylbenzene	ug/L	20	21.3	107	70-130	
Hexachloro-1,3-butadiene	ug/L	20	20.7	104	70-130	
Iodomethane	ug/L	40	36.8	92	43-160	
Isobutyl Alcohol	ug/L	400	501	125	66-135	
Methacrylonitrile	ug/L	200	191	96	70-130	
Methyl methacrylate	ug/L	20	19.8	99	70-130	
Methylene Chloride	ug/L	20	19.4	97	70-130	
Propionitrile	ug/L	200	208	104	70-130	
Styrene	ug/L	20	19.7	99	70-130	
Tetrachloroethene	ug/L	20	17.5	88	66-133	
Toluene	ug/L	20	20.2	101	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.1	100	70-130	
trans-1,3-Dichloropropene	ug/L	20	16.9	85	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	19.9	100	65-130	
Trichloroethene	ug/L	20	20.1	101	70-130	
Trichlorofluoromethane	ug/L	20	20.1	101	70-131	
Vinyl acetate	ug/L	40	41.9	105	69-135	
Vinyl chloride	ug/L	20	19.9	99	69-140	
Xylene (Total)	ug/L	60	56.4	94	70-130	
1,2-Dichloroethane-d4 (S)	%			101	86-125	
4-Bromofluorobenzene (S)	%			98	70-114	
Toluene-d8 (S)	%			100	87-113	

MATRIX SPIKE SAMPLE: 784013

Parameter	Units	35117653004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	19.5	97	39-130	

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

MATRIX SPIKE SAMPLE:		784013					
Parameter	Units	35117653004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	0.50U	20	21.3	107	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	19.7	98	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	19.1	96	50-130	
1,1-Dichloroethane	ug/L	0.50U	20	21.6	108	54-137	
1,1-Dichloroethene	ug/L	0.50U	20	21.1	105	45-155	
1,1-Dichloropropene	ug/L	0.50U	20	19.0	95	61-141	
1,2,3-Trichloropropane	ug/L	0.36U	20	17.1	85	31-132	
1,2,4-Trichlorobenzene	ug/L	0.50U	20	17.8	89	34-138	
1,2-Dibromo-3-chloropropane	ug/L	1.0U	20	18.5	93	37-130	
1,2-Dibromoethane (EDB)	ug/L	0.50U	20	19.9	100	51-132	
1,2-Dichloroethane	ug/L	0.50U	20	20.0	100	54-130	
1,2-Dichloropropane	ug/L	0.50U	20	17.9	89	53-130	
1,3-Dichloropropane	ug/L	0.50U	20	17.0	85	59-127	
2,2-Dichloropropane	ug/L	0.50U	20	20.2	101	24-133	
2-Butanone (MEK)	ug/L	5.0U	40	42.4	106	48-138	
2-Hexanone	ug/L	5.0U	40	44.7	112	38-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	45.2	113	28-143	
Acetone	ug/L	10.0U	40	42.0	88	20-140	
Acetonitrile	ug/L	5.0U	200	223	111	44-138	
Acrolein	ug/L	10.0U	100	175	175	20-159	J(M0)
Acrylonitrile	ug/L	5.0U	100	216	216	46-130	J(M0)
Allyl chloride	ug/L	0.50U	20	23.3	116	53-148	
Benzene	ug/L	0.10U	20	21.6	108	53-132	
Bromochloromethane	ug/L	0.50U	20	19.2	96	54-132	
Bromodichloromethane	ug/L	0.27U	20	19.4	97	46-130	
Bromoform	ug/L	0.50U	20	16.9	84	32-130	
Bromomethane	ug/L	0.50U	20	13.3	67	20-152	
Carbon disulfide	ug/L	5.0U	20	24.5	122	28-184	
Carbon tetrachloride	ug/L	0.50U	20	21.2	106	37-137	
Chlorobenzene	ug/L	0.50U	20	21.3	106	46-130	
Chloroethane	ug/L	0.50U	20	21.0	105	48-159	
Chloroform	ug/L	0.50U	20	19.8	99	51-130	
Chloromethane	ug/L	0.62U	20	16.4	82	39-144	
Chloroprene	ug/L	0.50U	20	23.8	119	39-157	
cis-1,2-Dichloroethene	ug/L	0.50U	20	20.1	101	54-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	17.4	87	45-130	
Dibromochloromethane	ug/L	0.26U	20	18.8	94	43-130	
Dibromomethane	ug/L	0.50U	20	18.7	94	50-130	
Dichlorodifluoromethane	ug/L	0.50U	20	23.5	118	38-151	
Ethyl methacrylate	ug/L	0.50U	20	22.0	110	45-132	
Ethylbenzene	ug/L	0.50U	20	23.4	117	43-130	
Hexachloro-1,3-butadiene	ug/L	0.40U	20	18.1	90	35-136	
Iodomethane	ug/L	0.50U	40	30.8	77	20-169	
Isobutyl Alcohol	ug/L	10.0U	400	521	130	20-175	
Methacrylonitrile	ug/L	5.0U	200	199	99	50-149	
Methyl methacrylate	ug/L	5.0U	20	20.6	103	48-130	
Methylene Chloride	ug/L	2.5U	20	19.9	100	51-135	
Propionitrile	ug/L	5.0U	200	222	111	54-130	

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

MATRIX SPIKE SAMPLE: 784013		35117653004	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Styrene	ug/L	0.50U	20	20.4	102	40-130	
Tetrachloroethene	ug/L	0.50U	20	18.2	91	26-130	
Toluene	ug/L	0.50U	20	22.0	110	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	19.5	98	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	16.8	84	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	17.9	90	20-139	
Trichloroethene	ug/L	0.50U	20	20.8	104	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	23.6	118	46-146	
Vinyl acetate	ug/L	1.0U	40	38.7	97	20-165	
Vinyl chloride	ug/L	0.50U	20	22.1	111	57-142	
Xylene (Total)	ug/L	0.50U	60	61.3	102	42-130	
1,2-Dichloroethane-d4 (S)	%				101	86-125	
4-Bromofluorobenzene (S)	%				101	70-114	
Toluene-d8 (S)	%				99	87-113	

SAMPLE DUPLICATE: 784012

Parameter	Units	35117653003	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,1-Dichloropropene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.36U	0.36U		40	
1,2,4-Trichlorobenzene	ug/L	0.50U	0.50U		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-Dichloroethane	ug/L	0.50U	0.50U		40	
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,3-Dichloropropane	ug/L	0.50U	0.50U		40	
2,2-Dichloropropane	ug/L	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	10.0U	10.0U		40	
Acetonitrile	ug/L	5.0U	5.0U		40	
Acrolein	ug/L	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Allyl chloride	ug/L	0.50U	0.50U		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	

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

SAMPLE DUPLICATE: 784012

Parameter	Units	35117653003 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	0.50U	0.50U		40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	
Chloromethane	ug/L	0.62U	0.62U		40	
Chloroprene	ug/L	0.50U	0.50U		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	
Dichlorodifluoromethane	ug/L	0.50U	0.50U		40	
Ethyl methacrylate	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Hexachloro-1,3-butadiene	ug/L	0.40U	0.40U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Isobutyl Alcohol	ug/L	10.0U	10.0U		40	
Methacrylonitrile	ug/L	5.0U	5.0U		40	
Methyl methacrylate	ug/L	5.0U	5.0U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Propionitrile	ug/L	5.0U	5.0U		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)	%	96	96	.2		
4-Bromofluorobenzene (S)	%	97	98	1		
Toluene-d8 (S)	%	99	98	1		

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

QC Batch: OEXT/15279

Analysis Method: EPA 8011

QC Batch Method: EPA 8011

Analysis Description: 8011 EDB DBCP

Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

METHOD BLANK: 780265

Matrix: Water

Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	12/04/13 22:09	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	12/04/13 22:09	

LABORATORY CONTROL SAMPLE: 780266

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.24	96	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.23	90	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 780267

780268

Parameter	Units	35117513001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0052 U	.44	.44	0.40	0.38	91	86	60-140	5	40	
1,2-Dibromoethane (EDB)	ug/L	0.0066 U	.44	.44	0.40	0.38	92	87	60-140	5	40	

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

QC Batch: OEXT/15237 Analysis Method: EPA 8081  
QC Batch Method: EPA 3510 Analysis Description: 8081 GCS Pesticides  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

METHOD BLANK: 777801 Matrix: Water  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	0.0019U	0.010	12/03/13 16:01	
4,4'-DDE	ug/L	0.00090U	0.010	12/03/13 16:01	
4,4'-DDT	ug/L	0.0036U	0.010	12/03/13 16:01	
Aldrin	ug/L	0.00050U	0.010	12/03/13 16:01	
alpha-BHC	ug/L	0.00030U	0.010	12/03/13 16:01	
beta-BHC	ug/L	0.00050U	0.010	12/03/13 16:01	
Chlordane (Technical)	ug/L	0.080U	0.50	12/03/13 16:01	
Chlorobenzilate	ug/L	0.021U	0.10	12/03/13 16:01	
delta-BHC	ug/L	0.00040U	0.010	12/03/13 16:01	
Dieldrin	ug/L	0.00050U	0.010	12/03/13 16:01	
Endosulfan I	ug/L	0.00070U	0.010	12/03/13 16:01	
Endosulfan II	ug/L	0.00070U	0.010	12/03/13 16:01	
Endosulfan sulfate	ug/L	0.00060U	0.010	12/03/13 16:01	
Endrin	ug/L	0.0017U	0.010	12/03/13 16:01	
Endrin aldehyde	ug/L	0.0071U	0.010	12/03/13 16:01	
gamma-BHC (Lindane)	ug/L	0.00020U	0.010	12/03/13 16:01	
Heptachlor	ug/L	0.0015U	0.010	12/03/13 16:01	
Heptachlor epoxide	ug/L	0.00040U	0.010	12/03/13 16:01	
Kepone	ug/L	0.18U	10.0	12/03/13 16:01	
Methoxychlor	ug/L	0.0070U	0.010	12/03/13 16:01	
Pentachloronitrobenzene	ug/L	0.015U	0.10	12/03/13 16:01	
Toxaphene	ug/L	0.28U	0.50	12/03/13 16:01	
Decachlorobiphenyl (S)	%	96	41.7-109.1	12/03/13 16:01	
Tetrachloro-m-xylene (S)	%	78	66.5-120.3	12/03/13 16:01	

LABORATORY CONTROL SAMPLE: 777802

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.5	0.51	103	65-133	
4,4'-DDE	ug/L	.5	0.49	99	63-138	
4,4'-DDT	ug/L	.5	0.52	104	44-154	
Aldrin	ug/L	.5	0.31	63	50-130	
alpha-BHC	ug/L	.5	0.46	91	44-130	
beta-BHC	ug/L	.5	0.49	97	65-130	
delta-BHC	ug/L	.5	0.48	96	10-140	
Dieldrin	ug/L	.5	0.46	92	63-130	
Endosulfan I	ug/L	.5	0.45	89	65-130	
Endosulfan II	ug/L	.5	0.47	94	67-131	
Endosulfan sulfate	ug/L	.5	0.51	103	43-134	
Endrin	ug/L	.5	0.47	93	62-133	
Endrin aldehyde	ug/L	.5	0.50	101	59-135	

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

LABORATORY CONTROL SAMPLE: 777802

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
gamma-BHC (Lindane)	ug/L	.5	0.46	93	51-130	
Heptachlor	ug/L	.5	0.38	76	55-130	
Heptachlor epoxide	ug/L	.5	0.45	90	65-130	
Methoxychlor	ug/L	.5	0.53	105	47-156	
Decachlorobiphenyl (S)	%			95	41.7-109.1	
Tetrachloro-m-xylene (S)	%			72	66.5-120.3	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 777803 777804

Parameter	Units	35117541002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4,4'-DDD	ug/L	0.0018 U	1	1	1.1	1.2	113	120	65-133	6	40	
4,4'-DDE	ug/L	0.00085 U	1	1	1.2	1.2	116	124	63-138	7	40	
4,4'-DDT	ug/L	0.0034 U	1	1	1.1	1.2	113	123	44-154	8	40	
Aldrin	ug/L	0.00047 U	1	1	0.91	0.92	91	92	50-130	1	40	
alpha-BHC	ug/L	0.00028 U	1	1	1.0	1.1	103	106	44-130	3	40	
beta-BHC	ug/L	0.00047 U	1	1	0.97	0.99	97	99	65-130	2	40	
delta-BHC	ug/L	0.00038 U	1	1	1.1	1.2	110	121	10-140	10	40	
Dieldrin	ug/L	0.00047 U	1	1	1.0	1.1	102	108	63-130	6	40	
Endosulfan I	ug/L	0.00066 U	1	1	1.0	1.0	100	102	65-130	2	40	
Endosulfan II	ug/L	0.0014 I	1	1	0.99	1.0	99	103	67-131	3	40	
Endosulfan sulfate	ug/L	0.00057 U	1	1	1.2	1.2	115	122	43-134	6	40	
Endrin	ug/L	0.0016 U	1	1	1.0	1.1	102	107	62-133	5	40	
Endrin aldehyde	ug/L	0.0067 U	1	1	1.0	1.1	104	111	59-135	7	40	
gamma-BHC (Lindane)	ug/L	0.00019 U	1	1	1.0	1.1	103	106	51-130	3	40	
Heptachlor	ug/L	0.0014 U	1	1	0.97	0.99	97	99	55-130	2	40	
Heptachlor epoxide	ug/L	0.00038 U	1	1	0.99	1.0	99	104	65-130	5	40	
Methoxychlor	ug/L	0.0066 U	1	1	1.2	1.2	116	124	47-156	6	40	
Decachlorobiphenyl (S)	%						69	71	41.7-109			
Tetrachloro-m-xylene (S)	%						93	89	66.5-120			

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

QC Batch: OEXT/15238 Analysis Method: EPA 8082  
QC Batch Method: EPA 3510 Analysis Description: 8082 GCS PCB  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

METHOD BLANK: 777805 Matrix: Water  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	0.080U	0.50	12/03/13 13:46	
PCB-1221 (Aroclor 1221)	ug/L	0.081U	0.50	12/03/13 13:46	
PCB-1232 (Aroclor 1232)	ug/L	0.12U	0.50	12/03/13 13:46	
PCB-1242 (Aroclor 1242)	ug/L	0.13U	0.50	12/03/13 13:46	
PCB-1248 (Aroclor 1248)	ug/L	0.28U	0.50	12/03/13 13:46	
PCB-1254 (Aroclor 1254)	ug/L	0.14U	0.50	12/03/13 13:46	
PCB-1260 (Aroclor 1260)	ug/L	0.11U	0.50	12/03/13 13:46	
Decachlorobiphenyl (S)	%	103	63-121	12/03/13 13:46	
Tetrachloro-m-xylene (S)	%	87	48-111	12/03/13 13:46	

LABORATORY CONTROL SAMPLE: 777806

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	2.5	2.5	99	50-114	
PCB-1260 (Aroclor 1260)	ug/L	2.5	2.5	101	10-127	
Decachlorobiphenyl (S)	%			99	63-121	
Tetrachloro-m-xylene (S)	%			87	48-111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 778222 778223

Parameter	Units	35117541001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/L	0.077U	5	5	4.9	5.1	99	101	50-114	3	40	
PCB-1260 (Aroclor 1260)	ug/L	0.11U	5	5	4.8	5.5	96	110	10-127	13	40	
Decachlorobiphenyl (S)	%						90	101	63-121			
Tetrachloro-m-xylene (S)	%						87	91	48-111			

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

QC Batch: OEXT/15240 Analysis Method: EPA 8141  
QC Batch Method: EPA 3510 Analysis Description: 8141 GCS, O/P Pesticides  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

METHOD BLANK: 777811 Matrix: Water  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dimethoate	ug/L	0.24U	0.50	12/02/13 16:40	
Disulfoton	ug/L	0.26U	0.50	12/02/13 16:40	
Famphur	ug/L	0.29U	0.50	12/02/13 16:40	
Methyl parathion	ug/L	0.27U	0.50	12/02/13 16:40	
Parathion (Ethyl parathion)	ug/L	0.47U	1.0	12/02/13 16:40	
Phorate	ug/L	0.42U	1.0	12/02/13 16:40	
4-Chloro3nitrobenzotrifluoride	%	71	34.2-122	12/02/13 16:40	

LABORATORY CONTROL SAMPLE: 777812

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dimethoate	ug/L	2	1.3	67	21-153	
Disulfoton	ug/L	2	1.8	92	36-137	
Famphur	ug/L	2	1.8	88	43-136	
Methyl parathion	ug/L	2	1.8	89	51-130	
Parathion (Ethyl parathion)	ug/L	2	4.0	198	46-130 J(L0)	
Phorate	ug/L	2	3.8	192	41-130 J(L0)	
4-Chloro3nitrobenzotrifluoride	%			57	34.2-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 778340 778341

Parameter	Units	35117410042 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dimethoate	ug/L	0.24U	1.9	2.1	1.1	1.1	60	53	64-130	1	40	J(M1)
Disulfoton	ug/L	0.26U	1.9	2.1	1.6	1.5	86	73	48-130	5	40	
Famphur	ug/L	0.29U	1.9	2.1	1.6	1.5	85	70	53-141	8	40	
Methyl parathion	ug/L	0.27U	1.9	2.1	1.6	1.5	86	73	10-152	5	40	
Parathion (Ethyl parathion)	ug/L	0.47U	1.9	2.1	3.6	3.4	190	162	54-130	5	40	J(M0)
Phorate	ug/L	0.42U	1.9	2.1	3.4	3.2	179	152	44-130	5	40	J(M0)
4-Chloro3nitrobenzotrifluoride	%						56	46	34.2-122			

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

QC Batch: OEXT/15244

Analysis Method: EPA 8151

QC Batch Method: EPA 8151

Analysis Description: 8151A GCS Herbicides

Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

METHOD BLANK: 777829

Matrix: Water

Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/L	0.042U	0.19	12/03/13 12:47	
2,4,5-TP (Silvex)	ug/L	0.049U	0.19	12/03/13 12:47	
2,4-D	ug/L	0.22U	0.94	12/03/13 12:47	
Dinoseb	ug/L	0.057U	0.19	12/03/13 12:47	
Pentachlorophenol	ug/L	0.017U	0.028	12/03/13 12:47	
2,4-DCAA (S)	%	94	42-142	12/03/13 12:47	

LABORATORY CONTROL SAMPLE: 777830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	1.2	0.93	78	28-161	
2,4,5-TP (Silvex)	ug/L	1.2	1.3	107	27-170	
2,4-D	ug/L	6	6.1	102	23-163	
Dinoseb	ug/L	1.2	0.35	29	24-151	
Pentachlorophenol	ug/L	.18	0.20	112	29-143	
2,4-DCAA (S)	%			101	42-142	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 778258

778259

Parameter	Units	35117410044 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4,5-T	ug/L	0.040U	2.4	2.4	1.8	1.9	74	81	36-169	10	40	
2,4,5-TP (Silvex)	ug/L	0.046U	2.4	2.4	2.3	2.6	98	107	20-176	9	40	
2,4-D	ug/L	0.21U	12	12	10.9	11.7	91	98	17-167	7	40	
Dinoseb	ug/L	0.054U	2.4	2.4	1.3	1.6	56	67	10-163	17	40	
Pentachlorophenol	ug/L	0.016U	.36	.36	0.35	0.38	97	105	10-162	8	40	
2,4-DCAA (S)	%						89	99	42-142			

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

QC Batch: OEXT/15272

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV App II

Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

METHOD BLANK: 779621

Matrix: Water

Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	0.70U	5.0	12/05/13 00:58	
1,2-Dichlorobenzene	ug/L	0.68U	5.0	12/05/13 00:58	
1,3,5-Trinitrobenzene	ug/L	1.2U	5.0	12/05/13 00:58	
1,3-Dichlorobenzene	ug/L	0.76U	5.0	12/05/13 00:58	
1,3-Dinitrobenzene	ug/L	0.30U	8.0	12/05/13 00:58	
1,4-Dichlorobenzene	ug/L	0.77U	5.0	12/05/13 00:58	
1,4-Naphthoquinone	ug/L	0.30U	5.0	12/05/13 00:58	
1-Naphthylamine	ug/L	0.67U	5.0	12/05/13 00:58	
2,3,4,6-Tetrachlorophenol	ug/L	3.8U	5.0	12/05/13 00:58	
2,4,5-Trichlorophenol	ug/L	0.52U	4.0	12/05/13 00:58	
2,4,6-Trichlorophenol	ug/L	0.69U	2.0	12/05/13 00:58	
2,4-Dichlorophenol	ug/L	0.56U	2.0	12/05/13 00:58	
2,4-Dimethylphenol	ug/L	1.6U	5.0	12/05/13 00:58	
2,4-Dinitrophenol	ug/L	1.6U	20.0	12/05/13 00:58	
2,4-Dinitrotoluene	ug/L	0.53U	2.0	12/05/13 00:58	
2,6-Dichlorophenol	ug/L	0.38U	4.0	12/05/13 00:58	
2,6-Dinitrotoluene	ug/L	1.2U	2.0	12/05/13 00:58	
2-Acetylaminofluorene	ug/L	2.4U	5.0	12/05/13 00:58	
2-Chloronaphthalene	ug/L	0.80U	5.0	12/05/13 00:58	
2-Chlorophenol	ug/L	0.68U	5.0	12/05/13 00:58	
2-Methylnaphthalene	ug/L	0.99U	5.0	12/05/13 00:58	
2-Methylphenol(o-Cresol)	ug/L	0.73U	5.0	12/05/13 00:58	
2-Naphthylamine	ug/L	0.68U	5.0	12/05/13 00:58	
2-Nitroaniline	ug/L	0.60U	5.0	12/05/13 00:58	
2-Nitrophenol	ug/L	0.81U	5.0	12/05/13 00:58	
3&4-Methylphenol(m&p Cresol)	ug/L	0.66U	10.0	12/05/13 00:58	
3,3'-Dichlorobenzidine	ug/L	0.69U	10.0	12/05/13 00:58	
3,3'-Dimethylbenzidine	ug/L	0.61U	10.0	12/05/13 00:58	
3-Methylcholanthrene	ug/L	0.28U	5.0	12/05/13 00:58	
3-Nitroaniline	ug/L	0.99U	5.0	12/05/13 00:58	
4,6-Dinitro-2-methylphenol	ug/L	1.3U	20.0	12/05/13 00:58	
4-Aminobiphenyl	ug/L	0.34U	5.0	12/05/13 00:58	
4-Bromophenylphenyl ether	ug/L	0.67U	5.0	12/05/13 00:58	
4-Chloro-3-methylphenol	ug/L	0.62U	20.0	12/05/13 00:58	
4-Chloroaniline	ug/L	1.2U	5.0	12/05/13 00:58	
4-Chlorophenylphenyl ether	ug/L	0.63U	5.0	12/05/13 00:58	
4-Nitroaniline	ug/L	0.69U	4.0	12/05/13 00:58	
4-Nitrophenol	ug/L	1.1U	20.0	12/05/13 00:58	
5-Nitro-o-toluidine	ug/L	0.36U	5.0	12/05/13 00:58	
7,12-Dimethylbenz(a)anthracene	ug/L	0.66U	5.0	12/05/13 00:58	
a,a-Dimethylphenylethylamine	ug/L	10.0U	20.0	12/05/13 00:58	
Acenaphthene	ug/L	0.86U	5.0	12/05/13 00:58	
Acenaphthylene	ug/L	0.95U	5.0	12/05/13 00:58	

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

METHOD BLANK: 779621

Matrix: Water

Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acetophenone	ug/L	1.4U	5.0	12/05/13 00:58	
Anthracene	ug/L	0.60U	5.0	12/05/13 00:58	
Benzo(a)anthracene	ug/L	0.63U	5.0	12/05/13 00:58	
Benzo(a)pyrene	ug/L	0.58U	1.0	12/05/13 00:58	
Benzo(b)fluoranthene	ug/L	0.62U	2.0	12/05/13 00:58	
Benzo(g,h,i)perylene	ug/L	0.68U	5.0	12/05/13 00:58	
Benzo(k)fluoranthene	ug/L	0.51U	4.0	12/05/13 00:58	
Benzyl alcohol	ug/L	0.29U	5.0	12/05/13 00:58	
bis(2-Chloroethoxy)methane	ug/L	3.0U	5.0	12/05/13 00:58	
bis(2-Chloroethyl) ether	ug/L	0.75U	4.0	12/05/13 00:58	
bis(2-Chloroisopropyl) ether	ug/L	0.73U	5.0	12/05/13 00:58	
bis(2-Ethylhexyl)phthalate	ug/L	2.2 I	5.0	12/05/13 00:58	
Butylbenzylphthalate	ug/L	0.72U	5.0	12/05/13 00:58	
Chrysene	ug/L	0.37U	5.0	12/05/13 00:58	
Di-n-butylphthalate	ug/L	0.41U	5.0	12/05/13 00:58	
Di-n-octylphthalate	ug/L	0.90U	5.0	12/05/13 00:58	
Diallate	ug/L	0.33U	5.0	12/05/13 00:58	
Dibenz(a,h)anthracene	ug/L	0.65U	2.0	12/05/13 00:58	
Dibenzofuran	ug/L	0.67U	5.0	12/05/13 00:58	
Diethylphthalate	ug/L	0.51U	5.0	12/05/13 00:58	
Dimethylphthalate	ug/L	0.64U	5.0	12/05/13 00:58	
Ethyl methanesulfonate	ug/L	0.38U	5.0	12/05/13 00:58	
Fluoranthene	ug/L	0.54U	5.0	12/05/13 00:58	
Fluorene	ug/L	0.56U	5.0	12/05/13 00:58	
Hexachlorobenzene	ug/L	0.80U	1.0	12/05/13 00:58	
Hexachlorocyclopentadiene	ug/L	1.3U	5.0	12/05/13 00:58	
Hexachloroethane	ug/L	0.71U	5.0	12/05/13 00:58	
Hexachloropropene	ug/L	0.38U	5.0	12/05/13 00:58	
Indeno(1,2,3-cd)pyrene	ug/L	0.73U	2.0	12/05/13 00:58	
Isodrin	ug/L	0.30U	5.0	12/05/13 00:58	
Isophorone	ug/L	0.73U	5.0	12/05/13 00:58	
Isosafrole	ug/L	0.28U	5.0	12/05/13 00:58	
Methapyrilene	ug/L	0.99U	5.0	12/05/13 00:58	
Methyl methanesulfonate	ug/L	0.11U	5.0	12/05/13 00:58	
N-Nitroso-di-n-butylamine	ug/L	1.2U	4.0	12/05/13 00:58	
N-Nitroso-di-n-propylamine	ug/L	0.94U	4.0	12/05/13 00:58	
N-Nitrosodiethylamine	ug/L	0.38U	4.0	12/05/13 00:58	
N-Nitrosodimethylamine	ug/L	0.97U	2.0	12/05/13 00:58	
N-Nitrosodiphenylamine	ug/L	0.50U	5.0	12/05/13 00:58	
N-Nitrosomethylethylamine	ug/L	0.48U	5.0	12/05/13 00:58	
N-Nitrosopiperidine	ug/L	0.36U	5.0	12/05/13 00:58	
N-Nitrosopyrrolidine	ug/L	0.32U	5.0	12/05/13 00:58	
Naphthalene	ug/L	0.78U	5.0	12/05/13 00:58	
Nitrobenzene	ug/L	1.1U	4.0	12/05/13 00:58	
O,O,O-Triethylphosphorothioate	ug/L	0.12U	5.0	12/05/13 00:58	
O-Toluidine	ug/L	0.29U	5.0	12/05/13 00:58	
P-Dimethylaminoazobenzene	ug/L	0.30U	5.0	12/05/13 00:58	

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

METHOD BLANK: 779621

Matrix: Water

Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
p-Phenylenediamine	ug/L	10.0U	20.0	12/05/13 00:58	
Pentachlorobenzene	ug/L	0.26U	5.0	12/05/13 00:58	
Phenacetin	ug/L	0.16U	5.0	12/05/13 00:58	
Phenanthrene	ug/L	0.52U	5.0	12/05/13 00:58	
Phenol	ug/L	0.54U	5.0	12/05/13 00:58	
Pronamide	ug/L	0.33U	5.0	12/05/13 00:58	
Pyrene	ug/L	0.68U	5.0	12/05/13 00:58	
Safrole	ug/L	0.18U	5.0	12/05/13 00:58	
Thionazin	ug/L	0.35U	5.0	12/05/13 00:58	
2,4,6-Tribromophenol (S)	%	66	35-146	12/05/13 00:58	
2-Fluorobiphenyl (S)	%	76	34-120	12/05/13 00:58	
2-Fluorophenol (S)	%	26	10-120	12/05/13 00:58	
Nitrobenzene-d5 (S)	%	65	22-120	12/05/13 00:58	
Phenol-d6 (S)	%	17	10-120	12/05/13 00:58	
Terphenyl-d14 (S)	%	94	39-138	12/05/13 00:58	

LABORATORY CONTROL SAMPLE: 779622

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	50	37.0	74	27-140	
1,2-Dichlorobenzene	ug/L	50	30.4	61	32-129	
1,3,5-Trinitrobenzene	ug/L	50	44.9	90	13-154	
1,3-Dichlorobenzene	ug/L	50	29.3	59	10-172	
1,3-Dinitrobenzene	ug/L	50	43.2	86	46-140	
1,4-Dichlorobenzene	ug/L	50	29.4	59	20-140	
1,4-Naphthoquinone	ug/L	50	37.7	75	21-140	
1-Naphthylamine	ug/L	50	42.3	85	31-140	
2,3,4,6-Tetrachlorophenol	ug/L	50	43.9	88	44-140	
2,4,5-Trichlorophenol	ug/L	50	43.7	87	39-140	
2,4,6-Trichlorophenol	ug/L	50	41.7	83	37-144	
2,4-Dichlorophenol	ug/L	50	39.8	80	39-140	
2,4-Dimethylphenol	ug/L	50	35.7	71	32-140	
2,4-Dinitrophenol	ug/L	50	35.9	72	10-191	
2,4-Dinitrotoluene	ug/L	50	43.1	86	29-149	
2,6-Dichlorophenol	ug/L	50	39.8	80	37-140	
2,6-Dinitrotoluene	ug/L	50	42.5	85	35-140	
2-Acetylaminofluorene	ug/L	50	46.2	92	36-140	
2-Chloronaphthalene	ug/L	50	38.7	77	36-140	
2-Chlorophenol	ug/L	50	29.7	59	23-140	
2-Methylnaphthalene	ug/L	50	37.9	76	35-140	
2-Methylphenol(o-Cresol)	ug/L	50	24.8	50	18-140	
2-Naphthylamine	ug/L	50	40.9	82	14-150	
2-Nitroaniline	ug/L	50	41.6	83	42-140	
2-Nitrophenol	ug/L	50	34.5	69	29-182	
3&4-Methylphenol(m&p Cresol)	ug/L	50	22.6	45	15-140	

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

LABORATORY CONTROL SAMPLE: 779622

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3,3'-Dichlorobenzidine	ug/L	50	49.7	99	10-262	
3,3'-Dimethylbenzidine	ug/L	50	42.4	85	10-165	
3-Methylcholanthrene	ug/L	50	44.7	89	29-140	
3-Nitroaniline	ug/L	50	38.1	76	36-140	
4,6-Dinitro-2-methylphenol	ug/L	50	43.2	86	10-181	
4-Aminobiphenyl	ug/L	50	40.0	80	39-140	
4-Bromophenylphenyl ether	ug/L	50	44.2	88	44-140	
4-Chloro-3-methylphenol	ug/L	50	40.2	80	22-147	
4-Chloroaniline	ug/L	50	35.9	72	20-140	
4-Chlorophenylphenyl ether	ug/L	50	44.1	88	25-158	
4-Nitroaniline	ug/L	50	40.6	81	43-140	
4-Nitrophenol	ug/L	50	12.2 I	24	10-140	
5-Nitro-o-toluidine	ug/L	50	42.8	86	46-140	
7,12-Dimethylbenz(a)anthracene	ug/L	50	32.9	66	24-140	
a,a-Dimethylphenylethylamine	ug/L	50	10.4 I	21		
Acenaphthene	ug/L	50	41.6	83	47-145	
Acenaphthylene	ug/L	50	42.5	85	33-145	
Acetophenone	ug/L	50	36.3	73	26-140	
Anthracene	ug/L	50	45.9	92	27-140	
Benzo(a)anthracene	ug/L	50	45.5	91	33-143	
Benzo(a)pyrene	ug/L	50	42.7	85	17-163	
Benzo(b)fluoranthene	ug/L	50	42.7	85	24-159	
Benzo(g,h,i)perylene	ug/L	50	43.1	86	10-219	
Benzo(k)fluoranthene	ug/L	50	47.2	94	11-162	
Benzyl alcohol	ug/L	50	23.0	46	29-140	
bis(2-Chloroethoxy)methane	ug/L	50	39.1	78	33-184	
bis(2-Chloroethyl) ether	ug/L	50	34.6	69	12-158	
bis(2-Chloroisopropyl) ether	ug/L	50	35.1	70	36-166	
bis(2-Ethylhexyl)phthalate	ug/L	50	44.2	88	10-158	
Butylbenzylphthalate	ug/L	50	43.6	87	10-152	
Chrysene	ug/L	50	45.1	90	17-168	
Di-n-butylphthalate	ug/L	50	43.9	88	46-140	
Di-n-octylphthalate	ug/L	50	44.0	88	10-146	
Diallylate	ug/L	50	49.3	99	22-140	
Dibenz(a,h)anthracene	ug/L	50	43.1	86	10-227	
Dibenzofuran	ug/L	50	42.8	86	41-140	
Diethylphthalate	ug/L	50	45.4	91	35-140	
Dimethylphthalate	ug/L	50	44.8	90	40-140	
Ethyl methanesulfonate	ug/L	50	30.8	62	10-140	
Fluoranthene	ug/L	50	47.0	94	26-140	
Fluorene	ug/L	50	44.5	89	51-140	
Hexachlorobenzene	ug/L	50	44.3	89	10-152	
Hexachlorocyclopentadiene	ug/L	50	28.2	56	10-140	
Hexachloroethane	ug/L	50	28.3	57	40-140	
Hexachloropropene	ug/L	50	27.1	54	22-140	
Indeno(1,2,3-cd)pyrene	ug/L	50	43.0	86	10-171	
Isodrin	ug/L	50	47.5	95	54-140	
Isophorone	ug/L	50	41.1	82	21-196	

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

LABORATORY CONTROL SAMPLE: 779622

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Isosafrole	ug/L	50	39.0	78	35-140	
Methapyrilene	ug/L	50	16.6	33	10-156	
Methyl methanesulfonate	ug/L	50	19.0	38	10-140	
N-Nitroso-di-n-butylamine	ug/L	50	42.1	84	44-140	
N-Nitroso-di-n-propylamine	ug/L	50	39.5	79	10-230	
N-Nitrosodiethylamine	ug/L	50	33.7	67	45-140	
N-Nitrosodimethylamine	ug/L	50	13.3	27	11-140	
N-Nitrosodiphenylamine	ug/L	50	44.5	89	45-140	
N-Nitrosomethylethylamine	ug/L	50	25.1	50	38-140	
N-Nitrosopiperidine	ug/L	50	38.7	77	46-140	
N-Nitrosopyrrolidine	ug/L	50	30.4	61	32-140	
Naphthalene	ug/L	50	35.3	71	21-140	
Nitrobenzene	ug/L	50	36.2	72	35-180	
O,O,O-Triethylphosphorothioate	ug/L	50	39.2	78	45-140	
O-Toluidine	ug/L	50	31.9	64	44-140	
P-Dimethylaminoazobenzene	ug/L	50	45.5	91	32-140	
p-Phenylenediamine	ug/L		10.0U			
Pentachlorobenzene	ug/L	50	41.3	83	38-140	
Phenacetin	ug/L	50	39.7	79	29-140	
Phenanthrene	ug/L	50	44.4	89	50-140	
Phenol	ug/L	50	8.8	18	10-140	
Pronamide	ug/L	50	42.9	86	37-140	
Pyrene	ug/L	50	45.6	91	52-121	
Safrole	ug/L	50	40.2	80	34-140	
Thionazin	ug/L	50	43.4	87	51-140	
2,4,6-Tribromophenol (S)	%			89	35-146	
2-Fluorobiphenyl (S)	%			74	34-120	
2-Fluorophenol (S)	%			25	10-120	
Nitrobenzene-d5 (S)	%			67	22-120	
Phenol-d6 (S)	%			17	10-120	
Terphenyl-d14 (S)	%			84	39-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 779623 779624

Parameter	Units	35117913021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4,5-Tetrachlorobenzene	ug/L	0.66U	48.8	48	34.7	34.4	71	72	27-140	1	40	
1,2-Dichlorobenzene	ug/L	0.64U	48.8	48	26.3	28.2	54	59	32-129	7	40	
1,3,5-Trinitrobenzene	ug/L	1.2U	48.8	48	46.4	45.0	95	94	13-154	3	40	
1,3-Dichlorobenzene	ug/L	0.72U	48.8	48	25.2	27.0	52	56	10-172	7	40	
1,3-Dinitrobenzene	ug/L	0.28U	48.8	48	43.2	41.8	88	87	46-140	3	40	
1,4-Dichlorobenzene	ug/L	0.73U	48.8	48	25.6	27.3	52	57	20-140	7	40	
1,4-Naphthoquinone	ug/L	0.29U	48.8	48	36.9	35.8	76	75	21-140	3	40	
1-Naphthylamine	ug/L	0.63U	48.8	48	38.7	39.7	79	83	31-140	3	40	
2,3,4,6-Tetrachlorophenol	ug/L	3.6U	48.8	48	44.3	42.5	91	88	44-140	4	40	
2,4,5-Trichlorophenol	ug/L	0.49U	48.8	48	42.5	40.2	87	84	39-140	5	40	
2,4,6-Trichlorophenol	ug/L	0.65U	48.8	48	40.7	38.8	83	81	37-144	5	40	

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 779623			779624								
Parameter	Units	35117913021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
2,4-Dichlorophenol	ug/L	0.53U	48.8	48	36.6	35.6	75	74	39-140	3	40
2,4-Dimethylphenol	ug/L	1.5U	48.8	48	33.2	32.2	68	67	32-140	3	40
2,4-Dinitrophenol	ug/L	1.5U	48.8	48	38.5	36.6	79	76	10-191	5	40
2,4-Dinitrotoluene	ug/L	0.50U	48.8	48	43.4	42.1	89	88	29-149	3	40
2,6-Dichlorophenol	ug/L	0.36U	48.8	48	36.6	35.6	75	74	37-140	3	40
2,6-Dinitrotoluene	ug/L	1.2U	48.8	48	42.0	40.6	86	85	35-140	3	40
2-Acetylaminofluorene	ug/L	2.3U	48.8	48	48.8	47.0	100	98	36-140	4	40
2-Chloronaphthalene	ug/L	0.76U	48.8	48	36.4	36.5	75	76	36-140	.2	40
2-Chlorophenol	ug/L	0.64U	48.8	48	24.0	25.2	49	52	23-140	5	40
2-Methylnaphthalene	ug/L	0.94U	48.8	48	35.3	34.7	72	72	35-140	2	40
2-Methylphenol(o-Cresol)	ug/L	0.69U	48.8	48	21.2	21.7	44	45	18-140	2	40
2-Naphthylamine	ug/L	0.64U	48.8	48	34.0	32.7	70	68	14-150	4	40
2-Nitroaniline	ug/L	0.57U	48.8	48	41.5	40.6	85	85	42-140	2	40
2-Nitrophenol	ug/L	0.77U	48.8	48	30.7	30.9	63	64	29-182	.5	40
3&4-Methylphenol(m&p Cresol)	ug/L	0.62U	48.8	48	19.2	19.6	39	41	15-140	2	40
3,3'-Dichlorobenzidine	ug/L	0.65U	48.8	48	49.1	48.1	101	100	10-262	2	40
3,3'-Dimethylbenzidine	ug/L	0.58U	48.8	48	35.7	38.0	73	79	10-165	6	40
3-Methylcholanthrene	ug/L	0.27U	48.8	48	45.5	43.8	93	91	29-140	4	40
3-Nitroaniline	ug/L	0.94U	48.8	48	35.7	35.8	73	75	36-140	.2	40
4,6-Dinitro-2-methylphenol	ug/L	1.2U	48.8	48	44.7	41.9	92	87	10-181	6	40
4-Aminobiphenyl	ug/L	0.33U	48.8	48	40.8	39.8	84	83	39-140	3	40
4-Bromophenylphenyl ether	ug/L	0.63U	48.8	48	43.7	42.8	89	89	44-140	2	40
4-Chloro-3-methylphenol	ug/L	0.59U	48.8	48	38.2	36.5	78	76	22-147	5	40
4-Chloroaniline	ug/L	1.1U	48.8	48	38.8	32.2	80	67	20-140	19	40
4-Chlorophenylphenyl ether	ug/L	0.60U	48.8	48	42.7	41.5	88	86	25-158	3	40
4-Nitroaniline	ug/L	0.65U	48.8	48	40.0	38.7	82	81	43-140	3	40
4-Nitrophenol	ug/L	1.0U	48.8	48	12.0 I	11.4 I	25	24	10-140		40
5-Nitro-o-toluidine	ug/L	0.35U	48.8	48	41.8	41.2	86	86	46-140	1	40
7,12-Dimethylbenz(a)anthracene	ug/L	0.63U	48.8	48	30.8	28.3	63	59	24-140	9	40
a,a-Dimethylphenylethylamine	ug/L	9.5U	48.8	48	11.7 I	9.6U	24	20			
Acenaphthene	ug/L	0.81U	48.8	48	40.3	39.6	83	82	47-145	2	40
Acenaphthylene	ug/L	0.90U	48.8	48	40.9	39.8	84	83	33-145	3	40
Acetophenone	ug/L	1.4U	48.8	48	31.6	32.1	65	67	26-140	2	40
Anthracene	ug/L	0.57U	48.8	48	45.8	44.5	94	93	27-140	3	40
Benzo(a)anthracene	ug/L	0.60U	48.8	48	45.3	44.3	93	92	33-143	2	40
Benzo(a)pyrene	ug/L	0.55U	48.8	48	42.8	41.6	88	87	17-163	3	40
Benzo(b)fluoranthene	ug/L	0.59U	48.8	48	41.9	41.3	86	86	24-159	1	40
Benzo(g,h,i)perylene	ug/L	0.64U	48.8	48	42.8	41.9	88	87	10-219	2	40
Benzo(k)fluoranthene	ug/L	0.48U	48.8	48	47.5	45.4	97	95	11-162	4	40
Benzyl alcohol	ug/L	0.27U	48.8	48	18.9	19.7	39	41	29-140	4	40
bis(2-Chloroethoxy)methane	ug/L	2.8U	48.8	48	34.3	34.7	70	72	33-184	1	40
bis(2-Chloroethyl) ether	ug/L	0.71U	48.8	48	28.5	30.5	58	64	12-158	7	40
bis(2-Chloroisopropyl) ether	ug/L	0.69U	48.8	48	29.2	30.5	60	64	36-166	4	40
bis(2-Ethylhexyl)phthalate	ug/L	0.76U	48.8	48	43.9	41.9	90	87	10-158	5	40
Butylbenzylphthalate	ug/L	0.68U	48.8	48	43.3	42.4	89	88	10-152	2	40
Chrysene	ug/L	0.35U	48.8	48	45.6	44.6	93	93	17-168	2	40

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 779623 779624											
Parameter	Units	35117913021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Di-n-butylphthalate	ug/L	0.39U	48.8	48	44.2	43.1	91	90	46-140	2	40
Di-n-octylphthalate	ug/L	0.85U	48.8	48	44.5	43.4	91	90	10-146	2	40
Diallate	ug/L	0.31U	48.8	48	48.7	47.6	100	99	22-140	2	40
Dibenz(a,h)anthracene	ug/L	0.61U	48.8	48	42.8	41.9	88	87	10-227	2	40
Dibenzofuran	ug/L	0.63U	48.8	48	41.2	40.4	84	84	41-140	2	40
Diethylphthalate	ug/L	0.48U	48.8	48	44.6	43.5	91	90	35-140	2	40
Dimethylphthalate	ug/L	0.61U	48.8	48	43.8	42.7	90	89	40-140	2	40
Ethyl methanesulfonate	ug/L	0.36U	48.8	48	25.8	27.2	53	57	10-140	5	40
Fluoranthene	ug/L	0.51U	48.8	48	47.9	46.4	98	97	26-140	3	40
Fluorene	ug/L	0.53U	48.8	48	43.3	42.0	89	88	51-140	3	40
Hexachlorobenzene	ug/L	0.76U	48.8	48	44.0	42.8	90	89	10-152	3	40
Hexachlorocyclopentadiene	ug/L	1.2U	48.8	48	26.9	26.8	55	56	10-140	4	40
Hexachloroethane	ug/L	0.67U	48.8	48	24.1	26.3	49	55	40-140	9	40
Hexachloropropene	ug/L	0.35U	48.8	48	25.4	26.5	52	55	22-140	4	40
Indeno(1,2,3-cd)pyrene	ug/L	0.69U	48.8	48	42.8	41.6	88	87	10-171	3	40
Isodrin	ug/L	0.29U	48.8	48	46.2	45.1	95	94	54-140	3	40
Isophorone	ug/L	0.69U	48.8	48	37.3	36.9	76	77	21-196	1	40
Isosafrole	ug/L	0.27U	48.8	48	36.1	35.1	74	73	35-140	3	40
Methapyrilene	ug/L	0.94U	48.8	48	18.5	16.3	38	34	10-156	12	40
Methyl methanesulfonate	ug/L	0.10U	48.8	48	16.0	16.8	33	35	10-140	4	40
N-Nitroso-di-n-butylamine	ug/L	1.1U	48.8	48	40.3	38.7	83	81	44-140	4	40
N-Nitroso-di-n-propylamine	ug/L	0.89U	48.8	48	34.4	35.3	70	74	10-230	3	40
N-Nitrosodiethylamine	ug/L	0.36U	48.8	48	27.7	29.6	57	62	45-140	7	40
N-Nitrosodimethylamine	ug/L	0.92U	48.8	48	10.6	11.9	22	25	11-140	12	40
N-Nitrosodiphenylamine	ug/L	0.47U	48.8	48	44.7	43.1	91	90	45-140	4	40
N-Nitrosomethylethylamine	ug/L	0.46U	48.8	48	20.7	22.7	42	47	38-140	9	40
N-Nitrosopiperidine	ug/L	0.34U	48.8	48	34.8	35.1	71	73	46-140	9	40
N-Nitrosopyrrolidine	ug/L	0.30U	48.8	48	27.2	27.1	56	56	32-140	4	40
Naphthalene	ug/L	0.74U	48.8	48	31.2	31.7	64	66	21-140	2	40
Nitrobenzene	ug/L	1.0U	48.8	48	31.9	33.0	65	69	35-180	3	40
O,O,O-Triethylphosphorothioate	ug/L	0.11U	48.8	48	35.1	35.5	72	74	45-140	9	40
O-Toluidine	ug/L	0.27U	48.8	48	27.1	27.6	56	58	44-140	2	40
P-Dimethylaminoazobenzene	ug/L	0.29U	48.8	48	46.3	45.2	95	94	32-140	2	40
p-Phenylenediamine	ug/L	9.5U			9.8U	9.6U					
Pentachlorobenzene	ug/L	0.25U	48.8	48	39.9	38.8	82	81	38-140	3	40
Phenacetin	ug/L	0.15U	48.8	48	38.9	37.8	80	79	29-140	3	40
Phenanthrene	ug/L	0.49U	48.8	48	44.8	43.1	92	90	50-140	4	40
Phenol	ug/L	0.51U	48.8	48	7.3	7.5	15	16	10-140	4	40
Pronamide	ug/L	0.31U	48.8	48	43.9	42.1	90	88	37-140	4	40
Pyrene	ug/L	0.64U	48.8	48	45.1	44.4	92	92	52-121	2	40
Safrole	ug/L	0.17U	48.8	48	38.8	37.6	79	78	34-140	3	40
Thionazin	ug/L	0.33U	48.8	48	43.6	42.6	89	89	51-140	2	40
2,4,6-Tribromophenol (S)	%						91	89	35-146		
2-Fluorobiphenyl (S)	%						71	72	34-120		
2-Fluorophenol (S)	%						19	22	10-120		
Nitrobenzene-d5 (S)	%						60	62	22-120		

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 779623 779624											
Parameter	Units	35117913021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Phenol-d6 (S)	%						14	15	10-120		
Terphenyl-d14 (S)	%						84	80	39-138		

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

QC Batch: WET/22340 Analysis Method: SM 2540C  
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

METHOD BLANK: 779068 Matrix: Water  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	12/03/13 11:42	

LABORATORY CONTROL SAMPLE: 779069

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	289	96	90-110	

SAMPLE DUPLICATE: 779070

Parameter	Units	35117513004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	423	378	11	20	

SAMPLE DUPLICATE: 779071

Parameter	Units	35117566002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	425	419	1	20	

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

QC Batch: WET/22349

Analysis Method: EPA 9034

QC Batch Method: EPA 9034

Analysis Description: 9034 Sulfide Water

Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

METHOD BLANK: 779153

Matrix: Water

Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	1.0U	1.0	12/03/13 15:38	

LABORATORY CONTROL SAMPLE: 779154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	6	5.8	97	80-120	

MATRIX SPIKE SAMPLE: 779155

Parameter	Units	35117541001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	1.0	6	6.9	97	80-120	

SAMPLE DUPLICATE: 779156

Parameter	Units	35117541002 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	mg/L	1.3	1.4	6	20	

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

QC Batch: WETA/31496 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

METHOD BLANK: 778019 Matrix: Water  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	0.043U	0.050	11/28/13 10:28	

LABORATORY CONTROL SAMPLE: 778020

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 778021 778022

Parameter	Units	35117541002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.043U	5	5	4.6	4.6	93	93	90-110	.1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 778023 778024

Parameter	Units	35117541005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.043U	5	5	4.6	4.6	92	92	90-110	.02	20	

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

QC Batch: WETA/31497 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

METHOD BLANK: 778025 Matrix: Water  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5U	5.0	11/28/13 10:28	

LABORATORY CONTROL SAMPLE: 778026

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.4	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 778027 778028

Parameter	Units	35117541002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	61.6	50	50	116	117	110	110	90-110	.07	20	L

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

QC Batch: WETA/31652 Analysis Method: EPA 350.1  
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

METHOD BLANK: 782292 Matrix: Water  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.050	12/06/13 12:03	

LABORATORY CONTROL SAMPLE: 782293

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

MATRIX SPIKE SAMPLE: 782295

Parameter	Units	35117829002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.037 I	1	0.98	94	90-110	

SAMPLE DUPLICATE: 782294

Parameter	Units	35117829002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.037 I	0.034 I		20	

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## QUALITY CONTROL DATA

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

QC Batch: WETA/31814 Analysis Method: EPA 9012  
QC Batch Method: EPA 9012 Analysis Description: 9012 Cyanide  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

METHOD BLANK: 787354 Matrix: Water  
Associated Lab Samples: 35117541001, 35117541002, 35117541003, 35117541004, 35117541005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	0.0020U	0.010	12/13/13 15:12	

LABORATORY CONTROL SAMPLE: 787355

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.05	0.047	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 787356 787357

Parameter	Units	35117541001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	0.0020 U	.05	.05	0.047	0.047	94	94	80-120	.4	20	Q

## REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: Tomoka LF Benzene Remediation  
Pace Project No.: 35117541

### 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(L0) Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.  
J(M0) Estimated Value. Matrix spike recovery was outside laboratory control limits.  
J(M1) Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.  
J(S0) Estimated Value. Surrogate recovery outside laboratory control limits.  
J(S5) Estimated Value. Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).  
L Off-scale high. Actual value is known to be greater than value given.  
L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.  
N2 The lab does not hold TNI accreditation for this parameter.  
Q Sample held beyond the accepted holding time.  
V Indicates that the analyte was detected in both the sample and the associated method blank.  
Y The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35117541002	B85-F		FLD/		
35117541003	B85-6		FLD/		
35117541004	B87-F		FLD/		
35117541005	B87-6		FLD/		
35117541001	Equip. Blank (11/27/13)	EPA 8011	OEXT/15279	EPA 8011	GCSV/10111
35117541002	B85-F	EPA 8011	OEXT/15279	EPA 8011	GCSV/10111
35117541003	B85-6	EPA 8011	OEXT/15279	EPA 8011	GCSV/10111
35117541004	B87-F	EPA 8011	OEXT/15279	EPA 8011	GCSV/10111
35117541005	B87-6	EPA 8011	OEXT/15279	EPA 8011	GCSV/10111
35117541001	Equip. Blank (11/27/13)	EPA 3510	OEXT/15237	EPA 8081	GCSV/10093
35117541002	B85-F	EPA 3510	OEXT/15237	EPA 8081	GCSV/10093
35117541003	B85-6	EPA 3510	OEXT/15237	EPA 8081	GCSV/10093
35117541004	B87-F	EPA 3510	OEXT/15237	EPA 8081	GCSV/10093
35117541005	B87-6	EPA 3510	OEXT/15237	EPA 8081	GCSV/10093
35117541001	Equip. Blank (11/27/13)	EPA 3510	OEXT/15238	EPA 8082	GCSV/10094
35117541002	B85-F	EPA 3510	OEXT/15238	EPA 8082	GCSV/10094
35117541003	B85-6	EPA 3510	OEXT/15238	EPA 8082	GCSV/10094
35117541004	B87-F	EPA 3510	OEXT/15238	EPA 8082	GCSV/10094
35117541005	B87-6	EPA 3510	OEXT/15238	EPA 8082	GCSV/10094
35117541001	Equip. Blank (11/27/13)	EPA 3510	OEXT/15240	EPA 8141	GCSV/10103
35117541002	B85-F	EPA 3510	OEXT/15240	EPA 8141	GCSV/10103
35117541003	B85-6	EPA 3510	OEXT/15240	EPA 8141	GCSV/10103
35117541004	B87-F	EPA 3510	OEXT/15240	EPA 8141	GCSV/10103
35117541005	B87-6	EPA 3510	OEXT/15240	EPA 8141	GCSV/10103
35117541001	Equip. Blank (11/27/13)	EPA 8151	OEXT/15244	EPA 8151	GCSV/10092
35117541002	B85-F	EPA 8151	OEXT/15244	EPA 8151	GCSV/10092
35117541003	B85-6	EPA 8151	OEXT/15244	EPA 8151	GCSV/10092
35117541004	B87-F	EPA 8151	OEXT/15244	EPA 8151	GCSV/10092
35117541005	B87-6	EPA 8151	OEXT/15244	EPA 8151	GCSV/10092
35117541001	Equip. Blank (11/27/13)	EPA 3010	MPRP/16080	EPA 6010	ICP/10009
35117541002	B85-F	EPA 3010	MPRP/16080	EPA 6010	ICP/10009
35117541003	B85-6	EPA 3010	MPRP/16080	EPA 6010	ICP/10009
35117541004	B87-F	EPA 3010	MPRP/16080	EPA 6010	ICP/10009
35117541005	B87-6	EPA 3010	MPRP/16080	EPA 6010	ICP/10009
35117541001	Equip. Blank (11/27/13)	EPA 3010	MPRP/16081	EPA 6020	ICPM/6521
35117541002	B85-F	EPA 3010	MPRP/16081	EPA 6020	ICPM/6521
35117541003	B85-6	EPA 3010	MPRP/16081	EPA 6020	ICPM/6521
35117541004	B87-F	EPA 3010	MPRP/16081	EPA 6020	ICPM/6521
35117541005	B87-6	EPA 3010	MPRP/16081	EPA 6020	ICPM/6521
35117541001	Equip. Blank (11/27/13)	EPA 7470	MERP/4265	EPA 7470	MERC/4262
35117541002	B85-F	EPA 7470	MERP/4265	EPA 7470	MERC/4262
35117541003	B85-6	EPA 7470	MERP/4265	EPA 7470	MERC/4262
35117541004	B87-F	EPA 7470	MERP/4265	EPA 7470	MERC/4262
35117541005	B87-6	EPA 7470	MERP/4265	EPA 7470	MERC/4262

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Benzene Remediation

Pace Project No.: 35117541

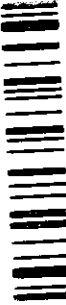
Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35117541001	Equip. Blank (11/27/13)	EPA 3510	OEXT/15272	EPA 8270	MSSV/5549
35117541002	B85-F	EPA 3510	OEXT/15272	EPA 8270	MSSV/5549
35117541003	B85-6	EPA 3510	OEXT/15272	EPA 8270	MSSV/5549
35117541004	B87-F	EPA 3510	OEXT/15272	EPA 8270	MSSV/5549
35117541005	B87-6	EPA 3510	OEXT/15272	EPA 8270	MSSV/5549
35117541001	Equip. Blank (11/27/13)	EPA 8260	MSV/10328		
35117541002	B85-F	EPA 8260	MSV/10328		
35117541003	B85-6	EPA 8260	MSV/10328		
35117541004	B87-F	EPA 8260	MSV/10328		
35117541005	B87-6	EPA 8260	MSV/10328		
35117541006	Trip Blank 11/27/13	EPA 8260	MSV/10328		
35117541001	Equip. Blank (11/27/13)	SM 2540C	WET/22340		
35117541002	B85-F	SM 2540C	WET/22340		
35117541003	B85-6	SM 2540C	WET/22340		
35117541004	B87-F	SM 2540C	WET/22340		
35117541005	B87-6	SM 2540C	WET/22340		
35117541001	Equip. Blank (11/27/13)	EPA 9034	WET/22349		
35117541002	B85-F	EPA 9034	WET/22349		
35117541003	B85-6	EPA 9034	WET/22349		
35117541004	B87-F	EPA 9034	WET/22349		
35117541005	B87-6	EPA 9034	WET/22349		
35117541001	Equip. Blank (11/27/13)	EPA 300.0	WETA/31496		
35117541002	B85-F	EPA 300.0	WETA/31496		
35117541003	B85-6	EPA 300.0	WETA/31496		
35117541004	B87-F	EPA 300.0	WETA/31496		
35117541005	B87-6	EPA 300.0	WETA/31496		
35117541001	Equip. Blank (11/27/13)	EPA 300.0	WETA/31497		
35117541002	B85-F	EPA 300.0	WETA/31497		
35117541003	B85-6	EPA 300.0	WETA/31497		
35117541004	B87-F	EPA 300.0	WETA/31497		
35117541005	B87-6	EPA 300.0	WETA/31497		
35117541001	Equip. Blank (11/27/13)	EPA 350.1	WETA/31652		
35117541002	B85-F	EPA 350.1	WETA/31652		
35117541003	B85-6	EPA 350.1	WETA/31652		
35117541004	B87-F	EPA 350.1	WETA/31652		
35117541005	B87-6	EPA 350.1	WETA/31652		
35117541001	Equip. Blank (11/27/13)	EPA 9012	WETA/31814	EPA 9012	WETA/31845
35117541002	B85-F	EPA 9012	WETA/31814	EPA 9012	WETA/31845
35117541003	B85-6	EPA 9012	WETA/31814	EPA 9012	WETA/31845
35117541004	B87-F	EPA 9012	WETA/31814	EPA 9012	WETA/31845
35117541005	B87-6	EPA 9012	WETA/31814	EPA 9012	WETA/31845

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C

WO#: 35117541



35117541

Page: 1 of 1

1759961

**Section A**  
Required Client Information:

Report To: **JOHN FOR STICK**  
Copy To: \_\_\_\_\_  
Purchase Order No.: \_\_\_\_\_  
Project Name: \_\_\_\_\_  
Project Number: \_\_\_\_\_  
Requested Due Date/TAT: \_\_\_\_\_  
Email To: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
Site Location: \_\_\_\_\_  
STATE: \_\_\_\_\_  
REGULATORY AGENCY: \_\_\_\_\_  
NPDES ☒ GROUND WATER ☐ DRINKING WATER  
UST ☐ RCRA ☐ OTHER ☐

**Section B**  
Required Project Information:

Matrix Codes: DW, WT, WW, P, SL, OL, WP, AR, TS, OT  
Matrix / CODE: \_\_\_\_\_  
SAMPLE ID (A-Z, 0-9 / - / )  
Sample IDs MUST BE UNIQUE  
Matrix Codes: DW, WT, WW, P, SL, OL, WP, AR, TS, OT  
Matrix / CODE: \_\_\_\_\_  
SAMPLE ID (A-Z, 0-9 / - / )  
Sample IDs MUST BE UNIQUE  
Matrix Codes: DW, WT, WW, P, SL, OL, WP, AR, TS, OT  
Matrix / CODE: \_\_\_\_\_  
SAMPLE ID (A-Z, 0-9 / - / )  
Sample IDs MUST BE UNIQUE

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE  Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Tissue Other	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓	Y/N	Requested Analysis Filtered (Y/N)														Residual Chlorine (Y/N)	Face Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
					COMPOSITE START	COMPOSITE END/GRAB	DATE	TIME			DATE	TIME	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>			Methanol	Other	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
							Temp in °C	Samples Intact (Y/N)
	mdt/pace	11-27-13	1440	glat	11-27-13	1440	14.8	Received on (Y/N)
								Custody (Y/N)
								Sealed Cooler (Y/N)
								Temp in °C

**SAMPLER NAME AND SIGNATURE**  
PRINT Name of SAMPLER: **MAK GILBERT**  
SIGNATURE of SAMPLER: **mdt**  
DATE Signed (MM/DD/YY): **11-27-13**

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: VOLUSIA COUNTY SOLID WASTE		SITE LOCATION: TOMOKA LAND FILL	
WELL NO: EQ	SAMPLE ID:		DATE: 11-27-13

## PURGING DATA

[illegible]

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>		SAMPLING INITIATED AT: 0850	SAMPLING ENDED AT: 0903				
PUMP OR TUBING DEPTH IN WELL (feet):		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:									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

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

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

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

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <i>V PLUSIA COUNTY Solid white</i>		SITE LOCATION: <i>TOMOKA LAND FILL</i>	
WELL NO: <i>R 85 F</i>		SAMPLE ID:	DATE: <i>11-27-18</i>

## PURGING DATA

[illegible]

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT/PAGE				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: 1009		SAMPLING ENDED AT: 1023		
PUMP OR TUBING DEPTH IN WELL (feet): 13				TUBING MATERIAL CODE: PE-5			FIELD-FILTERED: Y Filtration Equipment Type:		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP (Y) N TUBING (Y) N (replaced)							DUPLICATE: Y (N)				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION							
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
REMARKS: OAP-132.0 OAP-130.8 OAP-129.6											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

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

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



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

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

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: <u>VOLUSIA COUNTY SOLID WASTE</u>		SITE LOCATION: <u>TOMOKA LANDFILL</u>	
WELL NO: <u>8856</u>		DATE: <u>11-27-13</u>	

**PURGING DATA**

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <u>8.15</u>	PURGE PUMP TYPE OR BAILER: <u>PP</u>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = <u>50</u> feet - <u>8.15</u> feet X <u>0.16</u> gallons/foot = <u>6.696</u> gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>10</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>10</u>	PURGING INITIATED AT: <u>1025</u>	PURGING ENDED AT: <u>1056</u>	TOTAL VOLUME PURGED (gallons): <u>7.75</u>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) <u>µmhos/cm</u> or <u>µS/cm</u>	DISSOLVED OXYGEN (circle units) <u>mg/L</u> or <u>% saturation</u>	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1052	6.75	6.75	0.25	8.30	6.66	22.71	1790	0.20	10.11	clear	surface
1054	0.50	7.25	1	1	6.67	22.65	1801	0.17	6.77	1	1
1056	0.50	7.75	1	1	6.70	22.60	1820	0.20	13.50	1	1
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <u>MARY GILBERT / PACO</u>		SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>		SAMPLING INITIATED AT: <u>1056</u>	SAMPLING ENDED AT: <u>1112</u>				
PUMP OR TUBING DEPTH IN WELL (feet): <u>10</u>		TUBING MATERIAL CODE: <u>PE15</u>		FIELD-FILTERED: Y <u>(N)</u>	FILTER SIZE: <u>    </u> µm				
FIELD DECONTAMINATION: PUMP <u>(Y)</u> N		TUBING <u>(Y)</u> N (replaced)		DUPLICATE: Y <u>(N)</u>					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
REMARKS: <u>ORP -94.8 ORP -94.5 ORP -96.7</u>									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

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

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: VOLUSIA COUNTY SOLID WASTE		SITE LOCATION: TOMOKA LANDFILL	
WELL NO: B 87-F	SAMPLE ID:		DATE: 11.27.13

## PURGING DATA

[illegible]

## SAMPLING DATA

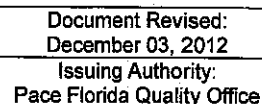
SAMPLED BY (PRINT) / AFFILIATION:		SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:		SAMPLING ENDED AT:			
MARK GILBERT / PACU		[Signature]		1234		1242			
PUMP OR TUBING DEPTH IN WELL (feet): 16		TUBING MATERIAL CODE: PE-5		FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: _____ µm			
FIELD DECONTAMINATION: PUMP [X] N TUBING [X] N (replaced)				DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
REMARKS: ORP-124.3 ORP-117.4 DRP-115.6 ORP-113.4									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; REPP = 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:**  $\pm 0.2$  units **Temperature:**  $\pm 0.2$  °C **Specific Conductance:**  $\pm 5\%$  **Dissolved Oxygen:** all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) **Turbidity:** all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)





## Page 83 of 84

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

# Sample Condition Upon Receipt Form (SCUR)

Table Number: \_\_\_\_\_

Client Name: VOLBPW Project # 35117541

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

☐ Other \_\_\_\_\_

Tracking # \_\_\_\_\_

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

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other \_\_\_\_\_

Thermometer Used 1-168 Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temperature °C 0.7 (Visual) -0.4 (Correction Factor) 0.3 (Actual)

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

☐ Yes ☐ No

Receipt of samples satisfactory: ☒ Yes ☐ No

Rush TAT requested on COC: \_\_\_\_\_

If yes, then all conditions below were met:

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

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

Client Notification/ Resolution:

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution (use back for additional comments): \_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: 11/27/13

## Finished Product Information Only

F.P. Sample ID: \_\_\_\_\_

Production Code: \_\_\_\_\_

Date/Time Opened: \_\_\_\_\_

Number of Unopened Bottles Remaining: \_\_\_\_\_

## Size & Qty of Bottles Received

☐ x 5 Gal  
☐ x 2.5 Gal  
☐ x 1 Gal  
☐ x 1 Liter  
☐ x 500 mL  
☐ x 250 mL  
☐ x Other: \_\_\_\_\_

Extra Sample in Shed: Yes ☐ No ☐