

October 04, 2017

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

RE: Project: Tomoka LF B5/37 Study  
Pace Project No.: 35338860

Dear Ms. Stirk:

Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC 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  
(386)672-5668  
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.  
Handi Wang, HDR Engineering, Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

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### Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174  
Alabama Certification #: 41320  
Connecticut Certification #: PH-0216  
Delaware Certification: FL NELAC Reciprocity  
Florida Certification #: E83079  
Georgia Certification #: 955  
Guam Certification: FL NELAC Reciprocity  
Hawaii Certification: FL NELAC Reciprocity  
Illinois Certification #: 200068  
Indiana Certification: FL NELAC Reciprocity  
Kansas Certification #: E-10383  
Louisiana Certification #: FL NELAC Reciprocity  
Louisiana Environmental Certificate #: 05007  
Maryland Certification: #346  
Michigan Certification #: 9911  
Mississippi Certification: FL NELAC Reciprocity  
Missouri Certification #: 236  
Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14  
Nevada Certification: FL NELAC Reciprocity  
New Jersey Certification #: FL022  
New York Certification #: 11608  
North Carolina Environmental Certificate #: 667  
North Carolina Certification #: 12710  
Oklahoma Certification #: D9947  
Pennsylvania Certification #: 68-00547  
Puerto Rico Certification #: FL01264  
South Carolina Certification: #96042001  
Tennessee Certification #: TN02974  
Texas Certification: FL NELAC Reciprocity  
US Virgin Islands Certification: FL NELAC Reciprocity  
Virginia Environmental Certification #: 460165  
Wyoming Certification: FL NELAC Reciprocity  
West Virginia Certification #: 9962C  
Wisconsin Certification #: 399079670  
Wyoming (EPA Region 8): FL NELAC Reciprocity

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## SAMPLE SUMMARY

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35338860001	EQ BLK 9/28/17	Water	09/28/17 08:47	09/28/17 16:25
35338860002	B5-35	Water	09/28/17 09:10	09/28/17 16:25
35338860003	B5-35 DUP	Water	09/28/17 09:10	09/28/17 16:25
35338860004	B5-37A	Water	09/28/17 09:44	09/28/17 16:25
35338860005	B5-37B	Water	09/28/17 10:23	09/28/17 16:25
35338860006	B37-1	Water	09/28/17 11:33	09/28/17 16:25
35338860007	B37-8	Water	09/28/17 12:19	09/28/17 16:25
35338860008	B37-6	Water	09/28/17 13:40	09/28/17 16:25
35338860009	B37-13	Water	09/28/17 14:39	09/28/17 16:25
35338860010	B37-3	Water	09/28/17 15:36	09/28/17 16:25
35338860011	TRIP BLANK 9/28/17	Water	09/28/17 00:01	09/28/17 16:25

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## SAMPLE ANALYTE COUNT

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35338860001	EQ BLK 9/28/17	EPA 8011	SMH	2	PASI-O
		EPA 8260	BTN	48	PASI-O
35338860002	B5-35	EPA 8011	SMH	2	PASI-O
		EPA 8260	BTN	48	PASI-O
35338860003	B5-35 DUP	EPA 8011	SMH	2	PASI-O
		EPA 8260	BTN	48	PASI-O
35338860004	B5-37A	EPA 8011	SMH	2	PASI-O
		EPA 8260	BTN	48	PASI-O
35338860005	B5-37B	EPA 8011	SMH	2	PASI-O
		EPA 8260	BTN	48	PASI-O
35338860006	B37-1	EPA 8011	SMH	2	PASI-O
		EPA 8260	BTN	48	PASI-O
35338860007	B37-8	EPA 8011	SMH	2	PASI-O
		EPA 8260	BTN	48	PASI-O
35338860008	B37-6	EPA 8011	SMH	2	PASI-O
		EPA 8260	BTN	48	PASI-O
35338860009	B37-13	EPA 8011	SMH	2	PASI-O
		EPA 8260	BTN	48	PASI-O
35338860010	B37-3	EPA 8011	SMH	2	PASI-O
		EPA 8260	BTN	48	PASI-O
35338860011	TRIP BLANK 9/28/17	EPA 8260	BTN	50	PASI-O

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## SUMMARY OF DETECTION

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>35338860002</b>	<b>B5-35</b>					
	Field pH	6.33	Std. Units		10/02/17 11:48	
	Field Temperature	26.2	deg C		10/02/17 11:48	
	Field Specific Conductance	645	umhos/cm		10/02/17 11:48	
	Oxygen, Dissolved	0.17	mg/L		10/02/17 11:48	
	REDOX	-45.5	mV		10/02/17 11:48	
	Turbidity	6.30	NTU		10/02/17 11:48	
	Depth to Water	2.20	feet		10/02/17 11:48	
<b>35338860003</b>	<b>B5-35 DUP</b>					
	Field pH	6.33	Std. Units		10/02/17 11:50	
	Field Temperature	26.2	deg C		10/02/17 11:50	
	Field Specific Conductance	645	umhos/cm		10/02/17 11:50	
	Oxygen, Dissolved	0.17	mg/L		10/02/17 11:50	
	REDOX	-45.5	mV		10/02/17 11:50	
	Turbidity	6.30	NTU		10/02/17 11:50	
	Depth to Water	2.20	feet		10/02/17 11:50	
<b>35338860004</b>	<b>B5-37A</b>					
	Field pH	6.45	Std. Units		10/02/17 11:51	
	Field Temperature	24.9	deg C		10/02/17 11:51	
	Field Specific Conductance	1392	umhos/cm		10/02/17 11:51	
	Oxygen, Dissolved	0.11	mg/L		10/02/17 11:51	
	REDOX	-83.7	mV		10/02/17 11:51	
	Turbidity	5.15	NTU		10/02/17 11:51	
	Depth to Water	1.75	feet		10/02/17 11:51	
EPA 8260	Chlorobenzene	4.4	ug/L	1.0	10/02/17 02:12	
<b>35338860005</b>	<b>B5-37B</b>					
	Field pH	6.36	Std. Units		10/02/17 11:51	
	Field Temperature	23.5	deg C		10/02/17 11:51	
	Field Specific Conductance	1737	umhos/cm		10/02/17 11:51	
	Oxygen, Dissolved	0.10	mg/L		10/02/17 11:51	
	REDOX	-69.8	mV		10/02/17 11:51	
	Turbidity	2.74	NTU		10/02/17 11:51	
	Depth to Water	1.40	feet		10/02/17 11:51	
EPA 8260	Benzene	2.0	ug/L	1.0	10/02/17 02:37	
EPA 8260	Chlorobenzene	10.9	ug/L	1.0	10/02/17 02:37	
EPA 8260	cis-1,2-Dichloroethene	0.96 l	ug/L	1.0	10/02/17 02:37	
EPA 8260	Vinyl chloride	0.63 l	ug/L	1.0	10/02/17 02:37	
<b>35338860006</b>	<b>B37-1</b>					
	Field pH	6.19	Std. Units		10/02/17 11:52	
	Field Temperature	25.9	deg C		10/02/17 11:52	
	Field Specific Conductance	1709	umhos/cm		10/02/17 11:52	
	Oxygen, Dissolved	0.14	mg/L		10/02/17 11:52	
	REDOX	-49.3	mV		10/02/17 11:52	
	Turbidity	4.77	NTU		10/02/17 11:52	
	Depth to Water	0.90	feet		10/02/17 11:52	
EPA 8260	Benzene	4.2	ug/L	1.0	10/02/17 03:03	

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## SUMMARY OF DETECTION

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>35338860006</b>	<b>B37-1</b>					
EPA 8260	Chlorobenzene	2.8	ug/L	1.0	10/02/17 03:03	
EPA 8260	cis-1,2-Dichloroethene	0.66 l	ug/L	1.0	10/02/17 03:03	
EPA 8260	Vinyl chloride	0.83 l	ug/L	1.0	10/02/17 03:03	
EPA 8260	Xylene (Total)	3.9	ug/L	3.0	10/02/17 03:03	
<b>35338860007</b>	<b>B37-8</b>					
	Field pH	5.43	Std. Units		10/02/17 11:54	
	Field Temperature	24.6	deg C		10/02/17 11:54	
	Field Specific Conductance	192	umhos/cm		10/02/17 11:54	
	Oxygen, Dissolved	0.08	mg/L		10/02/17 11:54	
	REDOX	58.7	mV		10/02/17 11:54	
	Turbidity	1.03	NTU		10/02/17 11:54	
	Depth to Water	4.55	feet		10/02/17 11:54	
<b>35338860008</b>	<b>B37-6</b>					
	Field pH	6.32	Std. Units		10/02/17 11:54	
	Field Temperature	24.6	deg C		10/02/17 11:54	
	Field Specific Conductance	1263	umhos/cm		10/02/17 11:54	
	Oxygen, Dissolved	0.12	mg/L		10/02/17 11:54	
	REDOX	-56.7	mV		10/02/17 11:54	
	Turbidity	9.07	NTU		10/02/17 11:54	
	Depth to Water	5.45	feet		10/02/17 11:54	
EPA 8260	Benzene	2.8	ug/L	1.0	10/02/17 03:54	
EPA 8260	Chlorobenzene	1.9	ug/L	1.0	10/02/17 03:54	
<b>35338860009</b>	<b>B37-13</b>					
	Field pH	6.38	Std. Units		10/02/17 11:55	
	Field Temperature	24.9	deg C		10/02/17 11:55	
	Field Specific Conductance	2132	umhos/cm		10/02/17 11:55	
	Oxygen, Dissolved	0.09	mg/L		10/02/17 11:55	
	REDOX	-86.2	mV		10/02/17 11:55	
	Turbidity	2.56	NTU		10/02/17 11:55	
	Depth to Water	4.55	feet		10/02/17 11:55	
EPA 8260	Benzene	10.1	ug/L	1.0	10/02/17 04:19	
EPA 8260	Chlorobenzene	9.6	ug/L	1.0	10/02/17 04:19	
EPA 8260	1,4-Dichlorobenzene	0.52 l	ug/L	1.0	10/02/17 04:19	
EPA 8260	Toluene	0.58 l	ug/L	1.0	10/02/17 04:19	
EPA 8260	Xylene (Total)	5.3	ug/L	3.0	10/02/17 04:19	
<b>35338860010</b>	<b>B37-3</b>					
	Field pH	6.26	Std. Units		10/02/17 11:56	
	Field Temperature	24.4	deg C		10/02/17 11:56	
	Field Specific Conductance	1588	umhos/cm		10/02/17 11:56	
	Oxygen, Dissolved	0.05	mg/L		10/02/17 11:56	
	REDOX	-73.2	mV		10/02/17 11:56	
	Turbidity	0.68	NTU		10/02/17 11:56	
	Depth to Water	3.45	feet		10/02/17 11:56	
EPA 8260	Benzene	2.7	ug/L	1.0	10/02/17 04:45	
EPA 8260	Chlorobenzene	1.1	ug/L	1.0	10/02/17 04:45	

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## SUMMARY OF DETECTION

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>35338860010</b>	<b>B37-3</b>					
EPA 8260	Xylene (Total)	1.6	ug/L	3.0	10/02/17 04:45	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

Sample: EQ BLK 9/28/17 Lab ID: 35338860001 Collected: 09/28/17 08:47 Received: 09/28/17 16:25 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	0.0063 U	ug/L	0.020	0.0063	1	10/02/17 13:40	10/03/17 11:46	96-12-8	
1,2-Dibromoethane (EDB)	0.0074 U	ug/L	0.0098	0.0074	1	10/02/17 13:40	10/03/17 11:46	106-93-4	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		10/01/17 22:48	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		10/01/17 22:48	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		10/01/17 22:48	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		10/01/17 22:48	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		10/01/17 22:48	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		10/01/17 22:48	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		10/01/17 22:48	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	56-23-5	
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		10/01/17 22:48	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		10/01/17 22:48	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		10/01/17 22:48	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		10/01/17 22:48	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		10/01/17 22:48	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		10/01/17 22:48	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		10/01/17 22:48	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		10/01/17 22:48	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		10/01/17 22:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		10/01/17 22:48	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	100-42-5	
1,1,1,2-Tetrachloroethane	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	630-20-6	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		10/01/17 22:48	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		10/01/17 22:48	75-69-4	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1		10/01/17 22:48	96-18-4	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample: EQ BLK 9/28/17**      **Lab ID: 35338860001**      Collected: 09/28/17 08:47      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Vinyl acetate	<b>1.0 U</b>	ug/L	10.0	1.0	1		10/01/17 22:48	108-05-4	
Vinyl chloride	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/01/17 22:48	75-01-4	
Xylene (Total)	<b>1.5 U</b>	ug/L	3.0	1.5	1		10/01/17 22:48	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	89-111		1		10/01/17 22:48	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	75-135		1		10/01/17 22:48	17060-07-0	
Toluene-d8 (S)	100	%	89-112		1		10/01/17 22:48	2037-26-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample: B5-35**      **Lab ID: 35338860002**      Collected: 09/28/17 09:10      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b> Analytical Method:									
Field pH	6.33	Std. Units			1		10/02/17 11:48		
Field Temperature	26.2	deg C			1		10/02/17 11:48		
Field Specific Conductance	645	umhos/cm			1		10/02/17 11:48		
Oxygen, Dissolved	0.17	mg/L			1		10/02/17 11:48	7782-44-7	
REDOX	-45.5	mV			1		10/02/17 11:48		
Turbidity	6.30	NTU			1		10/02/17 11:48		
Depth to Water	2.20	feet			1		10/02/17 11:48		
<b>8011 GCS EDB and DBCP</b> Analytical Method: EPA 8011      Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	10/02/17 13:40	10/03/17 12:01	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	10/02/17 13:40	10/03/17 12:01	106-93-4	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		10/02/17 00:55	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		10/02/17 00:55	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		10/02/17 00:55	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 00:55	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		10/02/17 00:55	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		10/02/17 00:55	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		10/02/17 00:55	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		10/02/17 00:55	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		10/02/17 00:55	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		10/02/17 00:55	56-23-5	
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 00:55	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		10/02/17 00:55	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		10/02/17 00:55	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		10/02/17 00:55	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		10/02/17 00:55	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 00:55	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 00:55	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 00:55	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		10/02/17 00:55	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 00:55	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 00:55	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 00:55	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 00:55	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 00:55	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		10/02/17 00:55	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		10/02/17 00:55	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		10/02/17 00:55	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 00:55	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		10/02/17 00:55	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		10/02/17 00:55	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		10/02/17 00:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		10/02/17 00:55	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		10/02/17 00:55	100-42-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample: B5-35**      **Lab ID: 35338860002**      Collected: 09/28/17 09:10      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 00:55	630-20-6	
1,1,2,2-Tetrachloroethane	<b>0.12 U</b>	ug/L	0.50	0.12	1		10/02/17 00:55	79-34-5	
Tetrachloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 00:55	127-18-4	
Toluene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 00:55	108-88-3	
1,1,1-Trichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 00:55	71-55-6	
1,1,2-Trichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 00:55	79-00-5	
Trichloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 00:55	79-01-6	
Trichlorofluoromethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 00:55	75-69-4	
1,2,3-Trichloropropane	<b>0.59 U</b>	ug/L	1.0	0.59	1		10/02/17 00:55	96-18-4	
Vinyl acetate	<b>1.0 U</b>	ug/L	10.0	1.0	1		10/02/17 00:55	108-05-4	
Vinyl chloride	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 00:55	75-01-4	
Xylene (Total)	<b>1.5 U</b>	ug/L	3.0	1.5	1		10/02/17 00:55	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	89-111		1		10/02/17 00:55	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	75-135		1		10/02/17 00:55	17060-07-0	
Toluene-d8 (S)	100	%	89-112		1		10/02/17 00:55	2037-26-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample: B5-35 DUP**      **Lab ID: 35338860003**      Collected: 09/28/17 09:10      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method:									
Field pH	6.33	Std. Units			1		10/02/17 11:50		
Field Temperature	26.2	deg C			1		10/02/17 11:50		
Field Specific Conductance	645	umhos/cm			1		10/02/17 11:50		
Oxygen, Dissolved	0.17	mg/L			1		10/02/17 11:50	7782-44-7	
REDOX	-45.5	mV			1		10/02/17 11:50		
Turbidity	6.30	NTU			1		10/02/17 11:50		
Depth to Water	2.20	feet			1		10/02/17 11:50		
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0063 U	ug/L	0.020	0.0063	1	10/02/17 13:40	10/03/17 12:15	96-12-8	
1,2-Dibromoethane (EDB)	0.0074 U	ug/L	0.0098	0.0074	1	10/02/17 13:40	10/03/17 12:15	106-93-4	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		10/02/17 01:46	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		10/02/17 01:46	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		10/02/17 01:46	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 01:46	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		10/02/17 01:46	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		10/02/17 01:46	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		10/02/17 01:46	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		10/02/17 01:46	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		10/02/17 01:46	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		10/02/17 01:46	56-23-5	
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 01:46	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		10/02/17 01:46	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		10/02/17 01:46	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		10/02/17 01:46	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		10/02/17 01:46	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 01:46	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 01:46	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 01:46	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		10/02/17 01:46	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 01:46	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 01:46	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 01:46	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 01:46	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 01:46	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		10/02/17 01:46	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		10/02/17 01:46	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		10/02/17 01:46	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 01:46	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		10/02/17 01:46	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		10/02/17 01:46	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		10/02/17 01:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		10/02/17 01:46	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		10/02/17 01:46	100-42-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample: B5-35 DUP**      **Lab ID: 35338860003**      Collected: 09/28/17 09:10      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 01:46	630-20-6	
1,1,2,2-Tetrachloroethane	<b>0.12 U</b>	ug/L	0.50	0.12	1		10/02/17 01:46	79-34-5	
Tetrachloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 01:46	127-18-4	
Toluene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 01:46	108-88-3	
1,1,1-Trichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 01:46	71-55-6	
1,1,2-Trichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 01:46	79-00-5	
Trichloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 01:46	79-01-6	
Trichlorofluoromethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 01:46	75-69-4	
1,2,3-Trichloropropane	<b>0.59 U</b>	ug/L	1.0	0.59	1		10/02/17 01:46	96-18-4	
Vinyl acetate	<b>1.0 U</b>	ug/L	10.0	1.0	1		10/02/17 01:46	108-05-4	
Vinyl chloride	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 01:46	75-01-4	
Xylene (Total)	<b>1.5 U</b>	ug/L	3.0	1.5	1		10/02/17 01:46	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	89-111		1		10/02/17 01:46	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	75-135		1		10/02/17 01:46	17060-07-0	
Toluene-d8 (S)	100	%	89-112		1		10/02/17 01:46	2037-26-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample: B5-37A**      **Lab ID: 35338860004**      Collected: 09/28/17 09:44      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>		Analytical Method:							
Field pH	6.45	Std. Units			1		10/02/17 11:51		
Field Temperature	24.9	deg C			1		10/02/17 11:51		
Field Specific Conductance	1392	umhos/cm			1		10/02/17 11:51		
Oxygen, Dissolved	0.11	mg/L			1		10/02/17 11:51	7782-44-7	
REDOX	-83.7	mV			1		10/02/17 11:51		
Turbidity	5.15	NTU			1		10/02/17 11:51		
Depth to Water	1.75	feet			1		10/02/17 11:51		
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011    Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	10/02/17 13:40	10/03/17 12:59	96-12-8	
1,2-Dibromoethane (EDB)	0.0075 U	ug/L	0.0099	0.0075	1	10/02/17 13:40	10/03/17 12:59	106-93-4	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	10.0 U	ug/L	20.0	10.0	1		10/02/17 02:12	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		10/02/17 02:12	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		10/02/17 02:12	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 02:12	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		10/02/17 02:12	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		10/02/17 02:12	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		10/02/17 02:12	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		10/02/17 02:12	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		10/02/17 02:12	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		10/02/17 02:12	56-23-5	
Chlorobenzene	4.4	ug/L	1.0	0.50	1		10/02/17 02:12	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		10/02/17 02:12	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		10/02/17 02:12	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		10/02/17 02:12	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		10/02/17 02:12	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 02:12	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 02:12	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 02:12	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		10/02/17 02:12	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 02:12	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 02:12	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 02:12	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 02:12	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 02:12	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		10/02/17 02:12	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		10/02/17 02:12	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		10/02/17 02:12	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 02:12	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		10/02/17 02:12	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		10/02/17 02:12	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		10/02/17 02:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		10/02/17 02:12	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		10/02/17 02:12	100-42-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample: B5-37A**      **Lab ID: 35338860004**      Collected: 09/28/17 09:44      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:12	630-20-6	
1,1,2,2-Tetrachloroethane	<b>0.12 U</b>	ug/L	0.50	0.12	1		10/02/17 02:12	79-34-5	
Tetrachloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:12	127-18-4	
Toluene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:12	108-88-3	
1,1,1-Trichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:12	71-55-6	
1,1,2-Trichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:12	79-00-5	
Trichloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:12	79-01-6	
Trichlorofluoromethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:12	75-69-4	
1,2,3-Trichloropropane	<b>0.59 U</b>	ug/L	1.0	0.59	1		10/02/17 02:12	96-18-4	
Vinyl acetate	<b>1.0 U</b>	ug/L	10.0	1.0	1		10/02/17 02:12	108-05-4	
Vinyl chloride	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:12	75-01-4	
Xylene (Total)	<b>1.5 U</b>	ug/L	3.0	1.5	1		10/02/17 02:12	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	89-111		1		10/02/17 02:12	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	75-135		1		10/02/17 02:12	17060-07-0	
Toluene-d8 (S)	100	%	89-112		1		10/02/17 02:12	2037-26-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample: B5-37B**      **Lab ID: 35338860005**      Collected: 09/28/17 10:23      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>		Analytical Method:							
Field pH	<b>6.36</b>	Std. Units			1		10/02/17 11:51		
Field Temperature	<b>23.5</b>	deg C			1		10/02/17 11:51		
Field Specific Conductance	<b>1737</b>	umhos/cm			1		10/02/17 11:51		
Oxygen, Dissolved	<b>0.10</b>	mg/L			1		10/02/17 11:51	7782-44-7	
REDOX	<b>-69.8</b>	mV			1		10/02/17 11:51		
Turbidity	<b>2.74</b>	NTU			1		10/02/17 11:51		
Depth to Water	<b>1.40</b>	feet			1		10/02/17 11:51		
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011    Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	<b>0.0062 U</b>	ug/L	0.019	0.0062	1	10/02/17 13:40	10/03/17 13:14	96-12-8	
1,2-Dibromoethane (EDB)	<b>0.0073 U</b>	ug/L	0.0097	0.0073	1	10/02/17 13:40	10/03/17 13:14	106-93-4	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	<b>10.0 U</b>	ug/L	20.0	10.0	1		10/02/17 02:37	67-64-1	
Acrylonitrile	<b>5.0 U</b>	ug/L	10.0	5.0	1		10/02/17 02:37	107-13-1	
Benzene	<b>2.0</b>	ug/L	1.0	0.10	1		10/02/17 02:37	71-43-2	
Bromochloromethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	74-97-5	
Bromodichloromethane	<b>0.27 U</b>	ug/L	0.60	0.27	1		10/02/17 02:37	75-27-4	
Bromoform	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	75-25-2	
Bromomethane	<b>0.50 U</b>	ug/L	5.0	0.50	1		10/02/17 02:37	74-83-9	
2-Butanone (MEK)	<b>5.0 U</b>	ug/L	10.0	5.0	1		10/02/17 02:37	78-93-3	
Carbon disulfide	<b>5.0 U</b>	ug/L	10.0	5.0	1		10/02/17 02:37	75-15-0	
Carbon tetrachloride	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	56-23-5	
Chlorobenzene	<b>10.9</b>	ug/L	1.0	0.50	1		10/02/17 02:37	108-90-7	
Chloroethane	<b>0.50 U</b>	ug/L	10.0	0.50	1		10/02/17 02:37	75-00-3	
Chloroform	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	67-66-3	
Chloromethane	<b>0.62 U</b>	ug/L	1.0	0.62	1		10/02/17 02:37	74-87-3	
Dibromochloromethane	<b>0.26 U</b>	ug/L	0.50	0.26	1		10/02/17 02:37	124-48-1	
Dibromomethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	74-95-3	
1,2-Dichlorobenzene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	95-50-1	
1,4-Dichlorobenzene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	106-46-7	
trans-1,4-Dichloro-2-butene	<b>5.0 U</b>	ug/L	10.0	5.0	1		10/02/17 02:37	110-57-6	
1,1-Dichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	75-34-3	
1,2-Dichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	107-06-2	
1,1-Dichloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	75-35-4	
cis-1,2-Dichloroethene	<b>0.96 I</b>	ug/L	1.0	0.50	1		10/02/17 02:37	156-59-2	
trans-1,2-Dichloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	156-60-5	
1,2-Dichloropropane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	78-87-5	
cis-1,3-Dichloropropene	<b>0.25 U</b>	ug/L	0.50	0.25	1		10/02/17 02:37	10061-01-5	
trans-1,3-Dichloropropene	<b>0.25 U</b>	ug/L	0.50	0.25	1		10/02/17 02:37	10061-02-6	
Ethylbenzene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	100-41-4	
2-Hexanone	<b>5.0 U</b>	ug/L	10.0	5.0	1		10/02/17 02:37	591-78-6	
Iodomethane	<b>0.50 U</b>	ug/L	10.0	0.50	1		10/02/17 02:37	74-88-4	
Methylene Chloride	<b>2.5 U</b>	ug/L	5.0	2.5	1		10/02/17 02:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>5.0 U</b>	ug/L	10.0	5.0	1		10/02/17 02:37	108-10-1	
Styrene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	100-42-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample: B5-37B**      **Lab ID: 35338860005**      Collected: 09/28/17 10:23      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	630-20-6	
1,1,2,2-Tetrachloroethane	<b>0.12 U</b>	ug/L	0.50	0.12	1		10/02/17 02:37	79-34-5	
Tetrachloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	127-18-4	
Toluene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	108-88-3	
1,1,1-Trichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	71-55-6	
1,1,2-Trichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	79-00-5	
Trichloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	79-01-6	
Trichlorofluoromethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 02:37	75-69-4	
1,2,3-Trichloropropane	<b>0.59 U</b>	ug/L	1.0	0.59	1		10/02/17 02:37	96-18-4	
Vinyl acetate	<b>1.0 U</b>	ug/L	10.0	1.0	1		10/02/17 02:37	108-05-4	
Vinyl chloride	<b>0.63 I</b>	ug/L	1.0	0.50	1		10/02/17 02:37	75-01-4	
Xylene (Total)	<b>1.5 U</b>	ug/L	3.0	1.5	1		10/02/17 02:37	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	89-111		1		10/02/17 02:37	460-00-4	J(HS)
1,2-Dichloroethane-d4 (S)	106	%	75-135		1		10/02/17 02:37	17060-07-0	
Toluene-d8 (S)	99	%	89-112		1		10/02/17 02:37	2037-26-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample: B37-1**      **Lab ID: 35338860006**      Collected: 09/28/17 11:33      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>		Analytical Method:							
Field pH	6.19	Std. Units			1		10/02/17 11:52		
Field Temperature	25.9	deg C			1		10/02/17 11:52		
Field Specific Conductance	1709	umhos/cm			1		10/02/17 11:52		
Oxygen, Dissolved	0.14	mg/L			1		10/02/17 11:52	7782-44-7	
REDOX	-49.3	mV			1		10/02/17 11:52		
Turbidity	4.77	NTU			1		10/02/17 11:52		
Depth to Water	0.90	feet			1		10/02/17 11:52		
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	0.0063 U	ug/L	0.020	0.0063	1	10/02/17 13:40	10/03/17 13:29	96-12-8	
1,2-Dibromoethane (EDB)	0.0074 U	ug/L	0.0098	0.0074	1	10/02/17 13:40	10/03/17 13:29	106-93-4	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	10.0 U	ug/L	20.0	10.0	1		10/02/17 03:03	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		10/02/17 03:03	107-13-1	
Benzene	4.2	ug/L	1.0	0.10	1		10/02/17 03:03	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:03	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		10/02/17 03:03	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:03	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		10/02/17 03:03	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		10/02/17 03:03	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		10/02/17 03:03	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:03	56-23-5	
Chlorobenzene	2.8	ug/L	1.0	0.50	1		10/02/17 03:03	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		10/02/17 03:03	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:03	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		10/02/17 03:03	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		10/02/17 03:03	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:03	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:03	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:03	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		10/02/17 03:03	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:03	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:03	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:03	75-35-4	
cis-1,2-Dichloroethene	0.66 I	ug/L	1.0	0.50	1		10/02/17 03:03	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:03	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:03	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		10/02/17 03:03	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		10/02/17 03:03	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:03	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		10/02/17 03:03	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		10/02/17 03:03	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		10/02/17 03:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		10/02/17 03:03	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:03	100-42-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample: B37-1**      **Lab ID: 35338860006**      Collected: 09/28/17 11:33      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:03	630-20-6	
1,1,2,2-Tetrachloroethane	<b>0.12 U</b>	ug/L	0.50	0.12	1		10/02/17 03:03	79-34-5	
Tetrachloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:03	127-18-4	
Toluene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:03	108-88-3	
1,1,1-Trichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:03	71-55-6	
1,1,2-Trichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:03	79-00-5	
Trichloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:03	79-01-6	
Trichlorofluoromethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:03	75-69-4	
1,2,3-Trichloropropane	<b>0.59 U</b>	ug/L	1.0	0.59	1		10/02/17 03:03	96-18-4	
Vinyl acetate	<b>1.0 U</b>	ug/L	10.0	1.0	1		10/02/17 03:03	108-05-4	
Vinyl chloride	<b>0.83 I</b>	ug/L	1.0	0.50	1		10/02/17 03:03	75-01-4	
Xylene (Total)	<b>3.9</b>	ug/L	3.0	1.5	1		10/02/17 03:03	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	89-111		1		10/02/17 03:03	460-00-4	J(HS)
1,2-Dichloroethane-d4 (S)	106	%	75-135		1		10/02/17 03:03	17060-07-0	
Toluene-d8 (S)	99	%	89-112		1		10/02/17 03:03	2037-26-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample: B37-8**      **Lab ID: 35338860007**      Collected: 09/28/17 12:19      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method:									
Field pH	5.43	Std. Units			1		10/02/17 11:54		
Field Temperature	24.6	deg C			1		10/02/17 11:54		
Field Specific Conductance	192	umhos/cm			1		10/02/17 11:54		
Oxygen, Dissolved	0.08	mg/L			1		10/02/17 11:54	7782-44-7	
REDOX	58.7	mV			1		10/02/17 11:54		
Turbidity	1.03	NTU			1		10/02/17 11:54		
Depth to Water	4.55	feet			1		10/02/17 11:54		
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0063 U	ug/L	0.020	0.0063	1	10/02/17 13:40	10/03/17 13:58	96-12-8	
1,2-Dibromoethane (EDB)	0.0074 U	ug/L	0.0098	0.0074	1	10/02/17 13:40	10/03/17 13:58	106-93-4	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		10/02/17 03:28	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		10/02/17 03:28	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		10/02/17 03:28	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:28	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		10/02/17 03:28	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:28	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		10/02/17 03:28	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		10/02/17 03:28	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		10/02/17 03:28	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:28	56-23-5	
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:28	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		10/02/17 03:28	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:28	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		10/02/17 03:28	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		10/02/17 03:28	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:28	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:28	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:28	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		10/02/17 03:28	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:28	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:28	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:28	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:28	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:28	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:28	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		10/02/17 03:28	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		10/02/17 03:28	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:28	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		10/02/17 03:28	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		10/02/17 03:28	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		10/02/17 03:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		10/02/17 03:28	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:28	100-42-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample: B37-8**      **Lab ID: 35338860007**      Collected: 09/28/17 12:19      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:28	630-20-6	
1,1,2,2-Tetrachloroethane	<b>0.12 U</b>	ug/L	0.50	0.12	1		10/02/17 03:28	79-34-5	
Tetrachloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:28	127-18-4	
Toluene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:28	108-88-3	
1,1,1-Trichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:28	71-55-6	
1,1,2-Trichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:28	79-00-5	
Trichloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:28	79-01-6	
Trichlorofluoromethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:28	75-69-4	
1,2,3-Trichloropropane	<b>0.59 U</b>	ug/L	1.0	0.59	1		10/02/17 03:28	96-18-4	
Vinyl acetate	<b>1.0 U</b>	ug/L	10.0	1.0	1		10/02/17 03:28	108-05-4	
Vinyl chloride	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:28	75-01-4	
Xylene (Total)	<b>1.5 U</b>	ug/L	3.0	1.5	1		10/02/17 03:28	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	89-111		1		10/02/17 03:28	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	75-135		1		10/02/17 03:28	17060-07-0	
Toluene-d8 (S)	103	%	89-112		1		10/02/17 03:28	2037-26-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample: B37-6**      **Lab ID: 35338860008**      Collected: 09/28/17 13:40      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method:									
Field pH	6.32	Std. Units			1		10/02/17 11:54		
Field Temperature	24.6	deg C			1		10/02/17 11:54		
Field Specific Conductance	1263	umhos/cm			1		10/02/17 11:54		
Oxygen, Dissolved	0.12	mg/L			1		10/02/17 11:54	7782-44-7	
REDOX	-56.7	mV			1		10/02/17 11:54		
Turbidity	9.07	NTU			1		10/02/17 11:54		
Depth to Water	5.45	feet			1		10/02/17 11:54		
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	10/02/17 13:40	10/03/17 14:13	96-12-8	
1,2-Dibromoethane (EDB)	0.0075 U	ug/L	0.010	0.0075	1	10/02/17 13:40	10/03/17 14:13	106-93-4	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		10/02/17 03:54	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		10/02/17 03:54	107-13-1	
Benzene	2.8	ug/L	1.0	0.10	1		10/02/17 03:54	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:54	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		10/02/17 03:54	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:54	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		10/02/17 03:54	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		10/02/17 03:54	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		10/02/17 03:54	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:54	56-23-5	
Chlorobenzene	1.9	ug/L	1.0	0.50	1		10/02/17 03:54	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		10/02/17 03:54	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:54	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		10/02/17 03:54	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		10/02/17 03:54	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:54	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:54	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:54	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		10/02/17 03:54	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:54	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:54	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:54	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:54	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:54	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:54	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		10/02/17 03:54	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		10/02/17 03:54	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:54	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		10/02/17 03:54	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		10/02/17 03:54	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		10/02/17 03:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		10/02/17 03:54	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		10/02/17 03:54	100-42-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample: B37-6**      **Lab ID: 35338860008**      Collected: 09/28/17 13:40      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:54	630-20-6	
1,1,2,2-Tetrachloroethane	<b>0.12 U</b>	ug/L	0.50	0.12	1		10/02/17 03:54	79-34-5	
Tetrachloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:54	127-18-4	
Toluene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:54	108-88-3	
1,1,1-Trichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:54	71-55-6	
1,1,2-Trichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:54	79-00-5	
Trichloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:54	79-01-6	
Trichlorofluoromethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:54	75-69-4	
1,2,3-Trichloropropane	<b>0.59 U</b>	ug/L	1.0	0.59	1		10/02/17 03:54	96-18-4	
Vinyl acetate	<b>1.0 U</b>	ug/L	10.0	1.0	1		10/02/17 03:54	108-05-4	
Vinyl chloride	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 03:54	75-01-4	
Xylene (Total)	<b>1.5 U</b>	ug/L	3.0	1.5	1		10/02/17 03:54	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	89-111		1		10/02/17 03:54	460-00-4	J(HS)
1,2-Dichloroethane-d4 (S)	109	%	75-135		1		10/02/17 03:54	17060-07-0	
Toluene-d8 (S)	101	%	89-112		1		10/02/17 03:54	2037-26-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study  
Pace Project No.: 35338860

**Sample: B37-13**      **Lab ID: 35338860009**      Collected: 09/28/17 14:39      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method:									
Field pH	6.38	Std. Units			1		10/02/17 11:55		
Field Temperature	24.9	deg C			1		10/02/17 11:55		
Field Specific Conductance	2132	umhos/cm			1		10/02/17 11:55		
Oxygen, Dissolved	0.09	mg/L			1		10/02/17 11:55	7782-44-7	
REDOX	-86.2	mV			1		10/02/17 11:55		
Turbidity	2.56	NTU			1		10/02/17 11:55		
Depth to Water	4.55	feet			1		10/02/17 11:55		
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0063 U	ug/L	0.020	0.0063	1	10/02/17 13:40	10/03/17 14:28	96-12-8	
1,2-Dibromoethane (EDB)	0.0074 U	ug/L	0.0099	0.0074	1	10/02/17 13:40	10/03/17 14:28	106-93-4	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		10/02/17 04:19	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		10/02/17 04:19	107-13-1	
Benzene	10.1	ug/L	1.0	0.10	1		10/02/17 04:19	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 04:19	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		10/02/17 04:19	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		10/02/17 04:19	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		10/02/17 04:19	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		10/02/17 04:19	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		10/02/17 04:19	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		10/02/17 04:19	56-23-5	
Chlorobenzene	9.6	ug/L	1.0	0.50	1		10/02/17 04:19	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		10/02/17 04:19	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		10/02/17 04:19	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		10/02/17 04:19	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		10/02/17 04:19	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 04:19	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 04:19	95-50-1	
1,4-Dichlorobenzene	0.52 I	ug/L	1.0	0.50	1		10/02/17 04:19	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		10/02/17 04:19	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 04:19	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		10/02/17 04:19	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 04:19	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 04:19	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/02/17 04:19	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		10/02/17 04:19	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		10/02/17 04:19	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		10/02/17 04:19	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		10/02/17 04:19	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		10/02/17 04:19	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		10/02/17 04:19	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		10/02/17 04:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		10/02/17 04:19	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		10/02/17 04:19	100-42-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample: B37-13**      **Lab ID: 35338860009**      Collected: 09/28/17 14:39      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:19	630-20-6	
1,1,2,2-Tetrachloroethane	<b>0.12 U</b>	ug/L	0.50	0.12	1		10/02/17 04:19	79-34-5	
Tetrachloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:19	127-18-4	
Toluene	<b>0.58 I</b>	ug/L	1.0	0.50	1		10/02/17 04:19	108-88-3	
1,1,1-Trichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:19	71-55-6	
1,1,2-Trichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:19	79-00-5	
Trichloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:19	79-01-6	
Trichlorofluoromethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:19	75-69-4	
1,2,3-Trichloropropane	<b>0.59 U</b>	ug/L	1.0	0.59	1		10/02/17 04:19	96-18-4	
Vinyl acetate	<b>1.0 U</b>	ug/L	10.0	1.0	1		10/02/17 04:19	108-05-4	
Vinyl chloride	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:19	75-01-4	
Xylene (Total)	<b>5.3</b>	ug/L	3.0	1.5	1		10/02/17 04:19	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	89-111		1		10/02/17 04:19	460-00-4	J(HS)
1,2-Dichloroethane-d4 (S)	105	%	75-135		1		10/02/17 04:19	17060-07-0	
Toluene-d8 (S)	98	%	89-112		1		10/02/17 04:19	2037-26-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample: B37-3**      **Lab ID: 35338860010**      Collected: 09/28/17 15:36      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>		Analytical Method:							
Field pH	<b>6.26</b>	Std. Units			1		10/02/17 11:56		
Field Temperature	<b>24.4</b>	deg C			1		10/02/17 11:56		
Field Specific Conductance	<b>1588</b>	umhos/cm			1		10/02/17 11:56		
Oxygen, Dissolved	<b>0.05</b>	mg/L			1		10/02/17 11:56	7782-44-7	
REDOX	<b>-73.2</b>	mV			1		10/02/17 11:56		
Turbidity	<b>0.68</b>	NTU			1		10/02/17 11:56		
Depth to Water	<b>3.45</b>	feet			1		10/02/17 11:56		
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	<b>0.0063 U</b>	ug/L	0.020	0.0063	1	10/02/17 13:40	10/03/17 14:42	96-12-8	
1,2-Dibromoethane (EDB)	<b>0.0073 U</b>	ug/L	0.0098	0.0073	1	10/02/17 13:40	10/03/17 14:42	106-93-4	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	<b>10.0 U</b>	ug/L	20.0	10.0	1		10/02/17 04:45	67-64-1	
Acrylonitrile	<b>5.0 U</b>	ug/L	10.0	5.0	1		10/02/17 04:45	107-13-1	
Benzene	<b>2.7</b>	ug/L	1.0	0.10	1		10/02/17 04:45	71-43-2	
Bromochloromethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	74-97-5	
Bromodichloromethane	<b>0.27 U</b>	ug/L	0.60	0.27	1		10/02/17 04:45	75-27-4	
Bromoform	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	75-25-2	
Bromomethane	<b>0.50 U</b>	ug/L	5.0	0.50	1		10/02/17 04:45	74-83-9	
2-Butanone (MEK)	<b>5.0 U</b>	ug/L	10.0	5.0	1		10/02/17 04:45	78-93-3	
Carbon disulfide	<b>5.0 U</b>	ug/L	10.0	5.0	1		10/02/17 04:45	75-15-0	
Carbon tetrachloride	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	56-23-5	
Chlorobenzene	<b>1.1</b>	ug/L	1.0	0.50	1		10/02/17 04:45	108-90-7	
Chloroethane	<b>0.50 U</b>	ug/L	10.0	0.50	1		10/02/17 04:45	75-00-3	
Chloroform	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	67-66-3	
Chloromethane	<b>0.62 U</b>	ug/L	1.0	0.62	1		10/02/17 04:45	74-87-3	
Dibromochloromethane	<b>0.26 U</b>	ug/L	0.50	0.26	1		10/02/17 04:45	124-48-1	
Dibromomethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	74-95-3	
1,2-Dichlorobenzene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	95-50-1	
1,4-Dichlorobenzene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	106-46-7	
trans-1,4-Dichloro-2-butene	<b>5.0 U</b>	ug/L	10.0	5.0	1		10/02/17 04:45	110-57-6	
1,1-Dichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	75-34-3	
1,2-Dichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	107-06-2	
1,1-Dichloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	75-35-4	
cis-1,2-Dichloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	156-59-2	
trans-1,2-Dichloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	156-60-5	
1,2-Dichloropropane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	78-87-5	
cis-1,3-Dichloropropene	<b>0.25 U</b>	ug/L	0.50	0.25	1		10/02/17 04:45	10061-01-5	
trans-1,3-Dichloropropene	<b>0.25 U</b>	ug/L	0.50	0.25	1		10/02/17 04:45	10061-02-6	
Ethylbenzene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	100-41-4	
2-Hexanone	<b>5.0 U</b>	ug/L	10.0	5.0	1		10/02/17 04:45	591-78-6	
Iodomethane	<b>0.50 U</b>	ug/L	10.0	0.50	1		10/02/17 04:45	74-88-4	
Methylene Chloride	<b>2.5 U</b>	ug/L	5.0	2.5	1		10/02/17 04:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>5.0 U</b>	ug/L	10.0	5.0	1		10/02/17 04:45	108-10-1	
Styrene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	100-42-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample: B37-3**      **Lab ID: 35338860010**      Collected: 09/28/17 15:36      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	630-20-6	
1,1,2,2-Tetrachloroethane	<b>0.12 U</b>	ug/L	0.50	0.12	1		10/02/17 04:45	79-34-5	
Tetrachloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	127-18-4	
Toluene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	108-88-3	
1,1,1-Trichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	71-55-6	
1,1,2-Trichloroethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	79-00-5	
Trichloroethene	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	79-01-6	
Trichlorofluoromethane	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	75-69-4	
1,2,3-Trichloropropane	<b>0.59 U</b>	ug/L	1.0	0.59	1		10/02/17 04:45	96-18-4	
Vinyl acetate	<b>1.0 U</b>	ug/L	10.0	1.0	1		10/02/17 04:45	108-05-4	
Vinyl chloride	<b>0.50 U</b>	ug/L	1.0	0.50	1		10/02/17 04:45	75-01-4	
Xylene (Total)	<b>1.6 I</b>	ug/L	3.0	1.5	1		10/02/17 04:45	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	89-111		1		10/02/17 04:45	460-00-4	J(HS)
1,2-Dichloroethane-d4 (S)	107	%	75-135		1		10/02/17 04:45	17060-07-0	
Toluene-d8 (S)	100	%	89-112		1		10/02/17 04:45	2037-26-5	

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample:** TRIP BLANK 9/28/17 **Lab ID:** 35338860011 **Collected:** 09/28/17 00:01 **Received:** 09/28/17 16:25 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	10.0 U	ug/L	20.0	10.0	1		10/01/17 23:13	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		10/01/17 23:13	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		10/01/17 23:13	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		10/01/17 23:13	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		10/01/17 23:13	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		10/01/17 23:13	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		10/01/17 23:13	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	56-23-5	
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		10/01/17 23:13	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		10/01/17 23:13	74-87-3	
1,2-Dibromo-3-chloropropane	1.0 U	ug/L	5.0	1.0	1		10/01/17 23:13	96-12-8	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		10/01/17 23:13	124-48-1	
1,2-Dibromoethane (EDB)	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	106-93-4	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		10/01/17 23:13	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		10/01/17 23:13	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		10/01/17 23:13	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		10/01/17 23:13	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		10/01/17 23:13	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		10/01/17 23:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		10/01/17 23:13	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	100-42-5	
1,1,1,2-Tetrachloroethane	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	630-20-6	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		10/01/17 23:13	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	75-69-4	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1		10/01/17 23:13	96-18-4	
Vinyl acetate	1.0 U	ug/L	10.0	1.0	1		10/01/17 23:13	108-05-4	
Vinyl chloride	0.50 U	ug/L	1.0	0.50	1		10/01/17 23:13	75-01-4	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

**Sample:** TRIP BLANK 9/28/17      **Lab ID:** 35338860011      Collected: 09/28/17 00:01      Received: 09/28/17 16:25      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Xylene (Total)	<b>1.5 U</b>	ug/L	3.0	1.5	1		10/01/17 23:13	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	89-111		1		10/01/17 23:13	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	75-135		1		10/01/17 23:13	17060-07-0	
Toluene-d8 (S)	100	%	89-112		1		10/01/17 23:13	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

QC Batch:	396009	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	35338860001, 35338860002, 35338860003, 35338860004, 35338860005, 35338860006, 35338860007, 35338860008, 35338860009, 35338860010, 35338860011		

METHOD BLANK: 2160130 Matrix: Water  
Associated Lab Samples: 35338860001, 35338860002, 35338860003, 35338860004, 35338860005, 35338860006, 35338860007, 35338860008, 35338860009, 35338860010, 35338860011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	10/01/17 21:57	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	10/01/17 21:57	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	5.0	1.0	10/01/17 21:57	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	10/01/17 21:57	
2-Hexanone	ug/L	5.0 U	10.0	5.0	10/01/17 21:57	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	10/01/17 21:57	
Acetone	ug/L	10.0 U	20.0	10.0	10/01/17 21:57	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	10/01/17 21:57	
Benzene	ug/L	0.10 U	1.0	0.10	10/01/17 21:57	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	10/01/17 21:57	
Bromoform	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
Bromomethane	ug/L	0.50 U	5.0	0.50	10/01/17 21:57	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	10/01/17 21:57	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
Chloroethane	ug/L	0.50 U	10.0	0.50	10/01/17 21:57	
Chloroform	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
Chloromethane	ug/L	0.62 U	1.0	0.62	10/01/17 21:57	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	10/01/17 21:57	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	10/01/17 21:57	
Dibromomethane	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
Iodomethane	ug/L	0.50 U	10.0	0.50	10/01/17 21:57	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	10/01/17 21:57	
Styrene	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
Toluene	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	

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## QUALITY CONTROL DATA

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

METHOD BLANK: 2160130

Matrix: Water

Associated Lab Samples: 35338860001, 35338860002, 35338860003, 35338860004, 35338860005, 35338860006, 35338860007, 35338860008, 35338860009, 35338860010, 35338860011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	10/01/17 21:57	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	10/01/17 21:57	
Trichloroethene	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
Vinyl acetate	ug/L	1.0 U	10.0	1.0	10/01/17 21:57	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	10/01/17 21:57	
Xylene (Total)	ug/L	1.5 U	3.0	1.5	10/01/17 21:57	
1,2-Dichloroethane-d4 (S)	%	106	75-135		10/01/17 21:57	
4-Bromofluorobenzene (S)	%	94	89-111		10/01/17 21:57	
Toluene-d8 (S)	%	100	89-112		10/01/17 21:57	

LABORATORY CONTROL SAMPLE: 2160131

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.2	96	70-130	
1,1,1-Trichloroethane	ug/L	20	19.1	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.7	103	70-130	
1,1,2-Trichloroethane	ug/L	20	20.1	101	70-130	
1,1-Dichloroethane	ug/L	20	19.7	99	70-130	
1,1-Dichloroethene	ug/L	20	18.1	91	65-134	
1,2,3-Trichloropropane	ug/L	20	21.1	105	65-135	
1,2-Dibromo-3-chloropropane	ug/L	20	19.4	97	62-133	
1,2-Dibromoethane (EDB)	ug/L	20	19.7	99	70-130	
1,2-Dichlorobenzene	ug/L	20	22.1	110	70-130	
1,2-Dichloroethane	ug/L	20	18.1	90	70-130	
1,2-Dichloropropane	ug/L	20	19.6	98	70-130	
1,4-Dichlorobenzene	ug/L	20	21.7	108	70-130	
2-Butanone (MEK)	ug/L	40	33.5	84	61-129	
2-Hexanone	ug/L	40	40.0	100	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	41.0	102	70-130	
Acetone	ug/L	40	36.8	92	44-155	
Acrylonitrile	ug/L	200	197	98	59-138	
Benzene	ug/L	20	19.7	98	70-130	
Bromochloromethane	ug/L	20	19.0	95	70-130	
Bromodichloromethane	ug/L	20	19.2	96	70-130	
Bromoform	ug/L	20	19.3	96	62-129	
Bromomethane	ug/L	20	16.9	84	10-179	
Carbon disulfide	ug/L	20	20.2	101	40-156	
Carbon tetrachloride	ug/L	20	17.7	88	66-127	
Chlorobenzene	ug/L	20	19.9	99	70-130	
Chloroethane	ug/L	20	19.7	99	57-142	
Chloroform	ug/L	20	19.0	95	70-130	
Chloromethane	ug/L	20	18.7	93	45-150	

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## QUALITY CONTROL DATA

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

LABORATORY CONTROL SAMPLE: 2160131

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	20	19.1	95	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.0	90	70-130	
Dibromochloromethane	ug/L	20	18.3	91	70-130	
Dibromomethane	ug/L	20	18.1	91	70-130	
Ethylbenzene	ug/L	20	21.6	108	70-130	
Iodomethane	ug/L	40	26.8	67	21-150	
Methylene Chloride	ug/L	20	21.1	106	65-127	
Styrene	ug/L	20	20.1	101	70-130	
Tetrachloroethene	ug/L	20	19.7	98	48-155	
Toluene	ug/L	20	19.7	98	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.2	96	68-126	
trans-1,3-Dichloropropene	ug/L	20	18.3	92	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	17.3	87	46-138	
Trichloroethene	ug/L	20	18.6	93	69-129	
Trichlorofluoromethane	ug/L	20	17.6	88	60-144	
Vinyl acetate	ug/L	20	19.2	96	70-130	
Vinyl chloride	ug/L	20	18.6	93	67-136	
Xylene (Total)	ug/L	60	65.1	109	70-130	
1,2-Dichloroethane-d4 (S)	%			100	75-135	
4-Bromofluorobenzene (S)	%			97	89-111	
Toluene-d8 (S)	%			100	89-112	

MATRIX SPIKE SAMPLE: 2161301

Parameter	Units	35338860003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	17.7	89	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	18.5	93	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	18.7	94	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	19.2	96	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	19.6	98	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	18.6	93	65-134	
1,2,3-Trichloropropane	ug/L	0.59 U	20	18.9	95	65-135	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	20	17.0	85	62-133	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	20	17.8	89	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	20.5	103	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	17.2	86	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	19.2	96	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	20.4	102	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	27.5	69	61-129	
2-Hexanone	ug/L	5.0 U	40	32.7	82	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	35.2	88	70-130	
Acetone	ug/L	10.0 U	40	32.7	76	44-155	
Acrylonitrile	ug/L	5.0 U	200	173	87	59-138	
Benzene	ug/L	0.10 U	20	19.7	98	70-130	
Bromochloromethane	ug/L	0.50 U	20	19.1	95	70-130	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

MATRIX SPIKE SAMPLE: 2161301		35338860003	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromodichloromethane	ug/L	0.27 U	20	17.7	89	70-130	
Bromoform	ug/L	0.50 U	20	17.5	87	62-129	
Bromomethane	ug/L	0.50 U	20	13.6	68	10-179	
Carbon disulfide	ug/L	5.0 U	20	20.9	105	40-156	
Carbon tetrachloride	ug/L	0.50 U	20	16.5	82	66-127	
Chlorobenzene	ug/L	0.50 U	20	19.3	96	70-130	
Chloroethane	ug/L	0.50 U	20	20.5	102	57-142	
Chloroform	ug/L	0.50 U	20	19.1	95	70-130	
Chloromethane	ug/L	0.62 U	20	20.3	100	45-150	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	18.9	94	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	15.1	75	70-130	
Dibromochloromethane	ug/L	0.26 U	20	16.7	84	70-130	
Dibromomethane	ug/L	0.50 U	20	17.7	88	70-130	
Ethylbenzene	ug/L	0.50 U	20	21.3	106	70-130	
Iodomethane	ug/L	0.50 U	40	24.7	62	21-150	
Methylene Chloride	ug/L	2.5 U	20	16.6	83	65-127	
Styrene	ug/L	0.50 U	20	19.3	96	70-130	
Tetrachloroethene	ug/L	0.50 U	20	17.4	87	48-155	
Toluene	ug/L	0.50 U	20	19.4	97	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	18.5	92	68-126	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	15.9	79	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	14.9	75	46-138	
Trichloroethene	ug/L	0.50 U	20	18.7	93	69-129	
Trichlorofluoromethane	ug/L	0.50 U	20	20.0	100	60-144	
Vinyl acetate	ug/L	1.0 U	20	14.9	74	70-130	
Vinyl chloride	ug/L	0.50 U	20	19.2	96	67-136	
Xylene (Total)	ug/L	1.5 U	60	64.1	107	70-130	
1,2-Dichloroethane-d4 (S)	%				98	75-135	
4-Bromofluorobenzene (S)	%				97	89-111	
Toluene-d8 (S)	%				98	89-112	

SAMPLE DUPLICATE: 2161300

Parameter	Units	35338860002	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	1.0 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	0.50 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

SAMPLE DUPLICATE: 2161300

Parameter	Units	35338860002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	1.5 U	1.5 U		40	
1,2-Dichloroethane-d4 (S)	%	103	107	3	40	
4-Bromofluorobenzene (S)	%	93	93	0	40	
Toluene-d8 (S)	%	100	101	1	40	

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## QUALITY CONTROL DATA

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

QC Batch:	396118	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
Associated Lab Samples:	35338860001, 35338860002, 35338860003, 35338860004, 35338860005, 35338860006, 35338860007, 35338860008, 35338860009, 35338860010		

METHOD BLANK:	2160571	Matrix:	Water
Associated Lab Samples:	35338860001, 35338860002, 35338860003, 35338860004, 35338860005, 35338860006, 35338860007, 35338860008, 35338860009, 35338860010		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	10/03/17 11:17	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	10/03/17 11:17	

LABORATORY CONTROL SAMPLE: 2160572

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.26	105	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.25	102	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2160645 2160646

Parameter	Units	35338860003 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	0.0063 U	.44	.44	0.60	0.57	137	130	60-140	5	40	
1,2-Dibromoethane (EDB)	ug/L	0.0074 U	.44	.44	0.55	0.53	126	122	60-140	4	40	

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## QUALIFIERS

Project: Tomoka LF B5/37 Study  
Pace Project No.: 35338860

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.  
ND - Not Detected at or above adjusted reporting limit.  
TNTC - Too Numerous To Count  
MDL - Adjusted Method Detection Limit.  
PQL - Practical Quantitation Limit.  
RL - Reporting Limit.  
S - Surrogate  
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.  
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.  
U Compound was analyzed for but not detected.  
J(HS) Estimated Value. Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF B5/37 Study

Pace Project No.: 35338860

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35338860002	B5-35				
35338860003	B5-35 DUP				
35338860004	B5-37A				
35338860005	B5-37B				
35338860006	B37-1				
35338860007	B37-8				
35338860008	B37-6				
35338860009	B37-13				
35338860010	B37-3				
35338860001	EQ BLK 9/28/17	EPA 8011	396118	EPA 8011	396227
35338860002	B5-35	EPA 8011	396118	EPA 8011	396227
35338860003	B5-35 DUP	EPA 8011	396118	EPA 8011	396227
35338860004	B5-37A	EPA 8011	396118	EPA 8011	396227
35338860005	B5-37B	EPA 8011	396118	EPA 8011	396227
35338860006	B37-1	EPA 8011	396118	EPA 8011	396227
35338860007	B37-8	EPA 8011	396118	EPA 8011	396227
35338860008	B37-6	EPA 8011	396118	EPA 8011	396227
35338860009	B37-13	EPA 8011	396118	EPA 8011	396227
35338860010	B37-3	EPA 8011	396118	EPA 8011	396227
35338860001	EQ BLK 9/28/17	EPA 8260	396009		
35338860002	B5-35	EPA 8260	396009		
35338860003	B5-35 DUP	EPA 8260	396009		
35338860004	B5-37A	EPA 8260	396009		
35338860005	B5-37B	EPA 8260	396009		
35338860006	B37-1	EPA 8260	396009		
35338860007	B37-8	EPA 8260	396009		
35338860008	B37-6	EPA 8260	396009		
35338860009	B37-13	EPA 8260	396009		
35338860010	B37-3	EPA 8260	396009		
35338860011	TRIP BLANK 9/28/17	EPA 8260	396009		

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WO#: 35338860

# CHAIN-OF-CUS

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35338860

Page : 1 Of 1

## Section A

### Required Client Information:

Company: Volusia County Solid Waste Management  
 Address: 1990 Tomoka Farms Road  
 Daytona Beach, FL 32124  
 Email:  
 Phone:  
 Fax:  
 Requested Due Date:

## Section B

### Required Project Information:

Report To: Ms. Jennifer Sirk  
 Copy To:  
 Purchase Order #:  
 Project Name: Tomoka LF B5/37 Study  
 Project #:  
 Attention:  
 Company Name:  
 Address:  
 Pace Quote:  
 Pace Project Manager: jeff.baylor@pacelabs.com  
 Pace Profile #: 1592

Regulatory Agency

State / Location

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP in C	Received on	Custody	Sealed	Cooler	Samples	Intact
			START	END														
1	Blank		9-20-08	0847	MS		9-21-08	15:40										
2	Blank			0910														
3	Blank			0910														
4	Blank			0944														
5	Blank			1023														
6	Blank			1133														
7	Blank			1249														
8	Blank			1340														
9	Blank			1439														
10	Blank			1536														
11	Blank			-														
12	Blank																	

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

SITE NAME: VOLUNTA COUNTY SOLIDWASTE		SITE LOCATION: IOMOUA LF	
WELL NO: EQUIPMENT BLANK	SAMPLE ID: EQUIPMENT BLANK	DATE: 9-22-17	

## PURGING DATA

[illegible]

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARIC GILBERT/PACE				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: 08/17		SAMPLING ENDED AT:	
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE: HDPE, S			FIELD-FILTERED: Y Filtration Equipment Type: N		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced)						DUPLICATE: Y N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	3	AG	40	HCL			8260	APP	400	
	2	CG	40	KCE			8011	APP	400	
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; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

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

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

pH:  $\pm 0.2$  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  $< 20$  NTU; optionally  $+ 5$  NTU or  $\pm 10\%$  (whichever is greater)

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

SITE NAME: VOLUNTA COUNTY SOLID WASTE		SITE LOCATION: <i>MS-A</i>	
WELL NO: RP-35		DATE: 9-28-17	
SAMPLE ID: B5-35/Duplicate			

## PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	2-25	PURGE PUMP TYPE OR BAILER:	PP
----------------------------	---	------------------------------	-----	---	----------------------------------	------	-------------------------------	----

DIA. (inches):		DIA. (inches):		DIA. (inches):		DIA. (inches):		DIA. (inches):	
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)									
		= 11.31		feet - 2.25		feet X 0.16		gallons/foot = 1.44 gallons	

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5	PURGING INITIATED AT: 0858	PURGING ENDED AT: 0910	TOTAL VOLUME PURGED (gallons): 2.40
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[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
 TIRING 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: M. J. L. / 10/10/10	SAMPLER(S) SIGNATURE(S): [Signature]	SAMPLING INITIATED AT: 0910	SAMPLING ENDED AT: 0915
--	---	-----------------------------	-------------------------

PUMP OR TUBING DEPTH IN WELL (feet): 5	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y <u>N</u>	FILTER SIZE: ____ $\mu$ m
--	-------------------------------	----------------------------	---------------------------

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

[illegible]

REMARKS:

REMARKS: OAP-45.5 OAP-45.5 OAP-45.5

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

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

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

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

pH:  $\pm 0.2$  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)

## Page 41 of 48



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

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

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

SITE NAME: VOLUSIA COUNTY SOLID WASTE		SITE LOCATION: TOMOKA LF	
WELL NO: BS-37B	SAMPLE ID: BS-37B	DATE: 9-28-12	

**PURGING DATA**

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 1.30	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = 22.75 feet - 1.30 feet X 0.16 gallons/foot = 4.392 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): 5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5	PURGING INITIATED AT: 0952	PURGING ENDED AT: 1023	TOTAL VOLUME PURGED (gallons): 6.51							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) $\text{mg/L}$ or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1013	4.41	4.41	0.21	3.70	6.35	23.6	1729	0.09	2.41	YELLOW	SWEET
1018	1.05	5.46	0.21	3.70	6.36	23.6	1747	0.10	1.31	1	1
1023	1.05	6.51	0.21	3.70	6.36	23.5	1737	0.10	2.74		
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: MAURICE BURR / PACE				SAMPLER(S) SIGNATURE(S): [Signature]				SAMPLING INITIATED AT: 1023		SAMPLING ENDED AT: 1026			
PUMP OR TUBING DEPTH IN WELL (feet): 5				TUBING MATERIAL CODE: HDPE-5				FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		FILTER SIZE: <u>          </u> $\mu\text{m}$			
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/> TUBING Y <input checked="" type="checkbox"/> N <input type="checkbox"/> (replaced)				DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>									
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH							
	3	AG	40	HCL		6.36		8260	APP		400		
	2	CG	40	ICE				8011	APP		400		
REMARKS: ORP-65.2 ORP-69.0 ORP-69.8													
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)													
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)													

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

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

pH:  $\pm 0.2$  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: VOLUSIA COUNTY SOLID WASTE		SITE LOCATION: TOMOKA LF	
WELL NO: B37-1	SAMPLE ID: B37-1	DATE: 9-28-17	

## PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 0.95	PURGE PUMP TYPE OR BAILER: PP
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY		OR DRAILER	
(only fill out if applicable)	= ( 37.80 feet - 0.95 feet ) X 0.16 gallons/foot	= 5.896 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

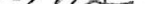
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 3	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 3	PURGING INITIATED AT: 055	PURGING ENDED AT: 1133	TOTAL VOLUME PURGED (gallons): 874
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[illegible]

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

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

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT / PACE	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1133	SAMPLING ENDED AT: 1136
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PUMP OR TUBING DEPTH IN WELL (feet): 3	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y <input checked="" type="radio"/> N Filtration Equipment Type:	FILTER SIZE: _____ µm
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FIELD DECONTAMINATION:	PUMP	Y	N	TUBING	Y	N (replaced)	DUPLICATE:	Y	N
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[illegible]

REMARKS

02P-47.8 02P-49.1 02P-49.3

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

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

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

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

pH:  $\pm 0.2$  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  $+ 5$  NTU or  $+ 10\%$  (whichever is greater)

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

SITE NAME: VOLKHA COUNTY SOLID WASTE		SITE LOCATION: TOMOKA LF	
WELL NO: B337-8	SAMPLE ID: B337-8	DATE: 9-28-17	

## PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	4.55	PURGE PUMP TYPE OR BAILER:	PP
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY  
(only fill out if applicable)

= ( 37.04 feet - 4.55 feet ) X 0.16 gallons/foot = 5.1984 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	10	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	8	PURGING INITIATED AT:	1141	PURGING ENDED AT:	1219	TOTAL VOLUME PURGED (gallons):	860
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[illegible]

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

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

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MALEK CUBER / PACE	SAMPLER(S) SIGNATURE(S): [Signature]	SAMPLING INITIATED AT: 1219	SAMPLING ENDED AT: 1223
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PUMP OR TUBING DEPTH IN WELL (feet): 8	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ μm
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FIELD DECONTAMINATION:	PUMP	Y	N	TUBING	Y	N (replaced)	DUPLICATE:	Y	N
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[illegible]

REMARKS

orp 68.4      orp 61.6      orp 58.7

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

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

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

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

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  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: DUNDRA LF	
WELL NO: B37-6	SAMPLE ID: B37-6	DATE: 9-28-12	

## PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	5.30	PURGE PUMP TYPE OR BAILER:	PP
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY  
(only fill out if applicable)

= (39.80 feet - 5.30 feet) X 0.16 gallons/foot = 5.52 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 1258	PURGING ENDED AT: 1340	TOTAL VOLUME PURGED (gallons): 8.40
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[illegible]

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

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

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT / PAGE	SAMPLER(S)-SIGNATURE(S): msk	SAMPLING INITIATED AT: 1340	SAMPLING ENDED AT: 1343
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PUMP OR TUBING DEPTH IN WELL (feet): 10	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ μm
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FIELD DECONTAMINATION:	PUMP	Y	N	TUBING	Y	N (replaced)	DUPLICATE:	Y	N
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[illegible]

REMARKS: *alp - 52.0 alp - 53.3 alp - 56.7*

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

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

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

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

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-23) optionally,  $+0.2$  mg/L or  $+10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $+5$  NTU or  $\pm 10\%$  (whichever is greater)



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

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

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

SITE NAME: VOLusia COUNTY SOLID WASTE		SITE LOCATION: TOMBUKA LF	
WELL NO: B 37-13	SAMPLE ID: B 37-13	DATE: 9-28-13	

**PURGING DATA**

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.60	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = 37.70 feet - 4.60 feet X 0.16 gallons/foot = 5.296 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 1350 feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 1439	PURGING ENDED AT: 1439	TOTAL VOLUME PURGED (gallons): 8.20							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) (mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1425	5.40	5.40	0.20	8.20	6.36	24.9	2126	0.11	2.41	Yellow	Surfer
1432	1.40	6.80	0.20	8.20	6.37	24.9	2135	0.10	1.46		
1439	1.40	8.20	0.20	8.20	6.38	24.9	2132	0.09	2.56		
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: MARK GILBERT / PACE				SAMPLER(S) SIGNATURE(S): [Signature]				SAMPLING INITIATED AT: 1439		SAMPLING ENDED AT: 1442	
PUMP OR TUBING DEPTH IN WELL (feet): 10				TUBING MATERIAL CODE: HDPE, S				FIELD-FILTERED: Y (N)		FILTER SIZE: _____ $\mu\text{m}$	
FIELD DECONTAMINATION: PUMP Y (N)				TUBING Y (N) (replaced)				DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	3	AG	40	HCL		6.38	8260		APP		
	2	CG	40	ICP			2011		APP		
REMARKS: ORP -80.8 ORP -84.2 ORP -86.2											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

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

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: VOLusia COUNTY SOLID WASTE		SITE LOCATION: TOMOKA LF	
WELL NO: B37-3	SAMPLE ID: B37-3	DATE: 9-28-17	

## PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 3.50	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = 37.22 feet - 3.50 feet X 0.16 gallons/foot = 5.3952 gallons				

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


INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 1455	PURGING ENDED AT: 1536	TOTAL VOLUME PURGED (gallons): 8.20
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[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88									
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.014									

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

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: MARK GIBSON / PACE	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1536	SAMPLING ENDED AT: 1539
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PUMP OR TUBING DEPTH IN WELL (feet): 10	TUBING MATERIAL CODE: HDPE 15	FIELD-FILTERED: Y (N) Filtration Equipment Type: (N)	FILTER SIZE: 10µm
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FIELD DECONTAMINATION:	PUMP	Y	(N)	TUBING	Y	(N) (replaced)	DUPLICATE:	Y	(N)
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[illegible]

REMARKS:	02P-65.6	02P-73.3	02P-73.2
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**MATERIAL CODES:** AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

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

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

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

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

	Document Name:	Document Revised:
	Sample Condition Upon Receipt Form	August 2, 2017
	Document No.: F-FL-C-007 rev. 12	Issuing Authority: Pace Florida Quality Office

### Sample Condition Upon Receipt Form (SCUR)

**Project #**  
**Project Manager:**  
**Client:**

**WO# : 35338860**

**PM: JSB**  
**Due Date: 10/09/17**  
**CLIENT: VOLDPW**

**Date and Initials of person:**

Examining contents: 9/30/17

Label: \_\_\_\_\_

Deliver: \_\_\_\_\_

pH: \_\_\_\_\_

Thermometer Used: T301 Date: 9/28/17 Time: 1625 Initials: MD

State of Origin: \_\_\_\_\_

Cooler #1 Temp. °C 4.7 (Visual) 50.1 (Correction Factor) 4.8 (Actual)

Cooler #2 Temp. °C \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)

Cooler #3 Temp. °C \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)

Cooler #4 Temp. °C \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)

Cooler #5 Temp. °C \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)

Cooler #6 Temp. °C \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

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

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority

☐ Other \_\_\_\_\_

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

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

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No Ice: Wet Blue Dry None

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

Samples shorted to lab (If Yes, complete) Shorted Date: \_\_\_\_\_ Shorted Time: \_\_\_\_\_ Qty: \_\_\_\_\_

#### Comments:

Chain of Custody Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody Filled Out	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Relinquished Signature & Sampler Name COC	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples Arrived within Hold Time	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush TAT requested on COC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient Volume	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample Labels match COC (sample IDs & date/time of collection)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing acid/base preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
All Containers needing preservation are found to be in compliance with EPA recommendation:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC, O&G, Carbamates		
Headspace in VOA Vials? ( >6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>3/3 vials have excess headspace on</u> <u>Samples "B37-1"</u> <u>"B37-13"</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Client Notification/ Resolution:

Person Contacted: \_\_\_\_\_

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

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

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

Date: \_\_\_\_\_