S2L, INCORPORATED
531 Versailles Drive, Suite 202
Maitland, Florida 32751-7301
407-475-9163 Fax 407-475-9169

Technical Memorandum

TO: Lenny Marion

FROM: Sam Levin and Richard Potts

DATE: December 20, 2010

RE: Results of Analytical Testing Associated with the Discharge of Treated Leachate at the Tomoka Farms Road Landfill on November 9, 2010

The following review of the analytical data was jointly prepared for Volusia County by S2L, Incorporated (S2Li) and The Colinas Group, Inc., a hydrogeological subconsultant to S2Li. Please note that this review is to be provided to the Florida Department of Environmental Protection (FDEP), in accordance with the Incident Report previously provided to FDEP a few days after the discharge occurred.

As described in the Incident Report prepared by S2Li, three separate surface water samples were collected within seven hours of the discovery of the accidental release of treated leachate at the Tomoka Farms Road Landfill (TFRL). Water samples were collected by County solid waste personnel at 2:00 p.m. on November 9, 2010.

One surface water sample (interior) was collected at the stormwater culvert discharge at the southwest corner of the North Stormwater Treatment Pond and within the area enclosed by twin floating turbidity barriers separating the discharge area from the main body of the pond. A second sample (exterior) was collected from the stormwater pond approximately 10 feet outside of the outermost turbidity barrier.

The third sample (SW-12 background) was collected at one of the landfill's permitted surface water sampling stations (SW-12) located at the point of off-site discharge from the North Stormwater Treatment Pond on the north edge of the pond. Discharge from the pond is by mechanical pumping when high water levels in the pond are reached, typically during the summer rainy season. According to County site personnel, water levels in the stormwater treatment pond are and have been well below the discharge level due to the current extended dry period, and no water has been discharged from the pond since the accidental leachate release.

Please refer to Figure 1 for sampling locations. Surface water samples collected within and outside of the turbidity barrier in the North Stormwater Treatment Pond were analyzed in the laboratory for routine indicator parameters, dissolved metals, volatile and semi-volatile organic compounds, herbicides, pesticides, and cyanide. Samples collected at the north side of the pond at sampling station SW-12 were analyzed for the list of constituents identified in the landfill operating permit. A complete list of individual analytes tested for are presented in the laboratory reports from Pace Analytical Services, Inc. Please refer to Attachment 1 for the analytical data for the three sampling locations.

Analytical results for parameters detected by the laboratory in submitted water samples are presented in Table I for comparison purposes. The Table includes only a few constituents, as most parameters that were tested for were not detected by the laboratory in any of the water samples. Regulatory standards for detected parameters are also shown as taken from Chapter 62-302 of the Florida Administrative Code.

As indicated in Table I, none of the constituents detected by the laboratory exceed, or for that matter, even approach regulatory criteria for Class III fresh surface waters in any of the collected water samples. Nominally higher test values for arsenic, chloride, iron, sodium, total dissolved solids (TDS), and vanadium for the sample taken at the point of discharge inside the turbidity barrier may be interpreted as residuals from the release of treated leachate. Constituent concentrations in the samples taken just outside the turbidity barrier (exterior) and across the pond at station SW-12 (background) are virtually identical.

The apparent lack of adverse impacts to water quality in the immediate vicinity of the treated leachate discharge to the landfill North Stormwater Treatment Pond is attributed to the rapid response of on-site solid waste facility personnel, appropriate selection of available remedial measures employed, and the relatively small volume of treated leachate released in comparison to the large volume of surface water in the stormwater treatment pond.

Based on the above, it may be concluded that as a result of prompt County action, the water quality in surface waters adjacent to the landfill has not been degraded as a result of the accidental release of treated leachate.

* * * * * *

Attachments

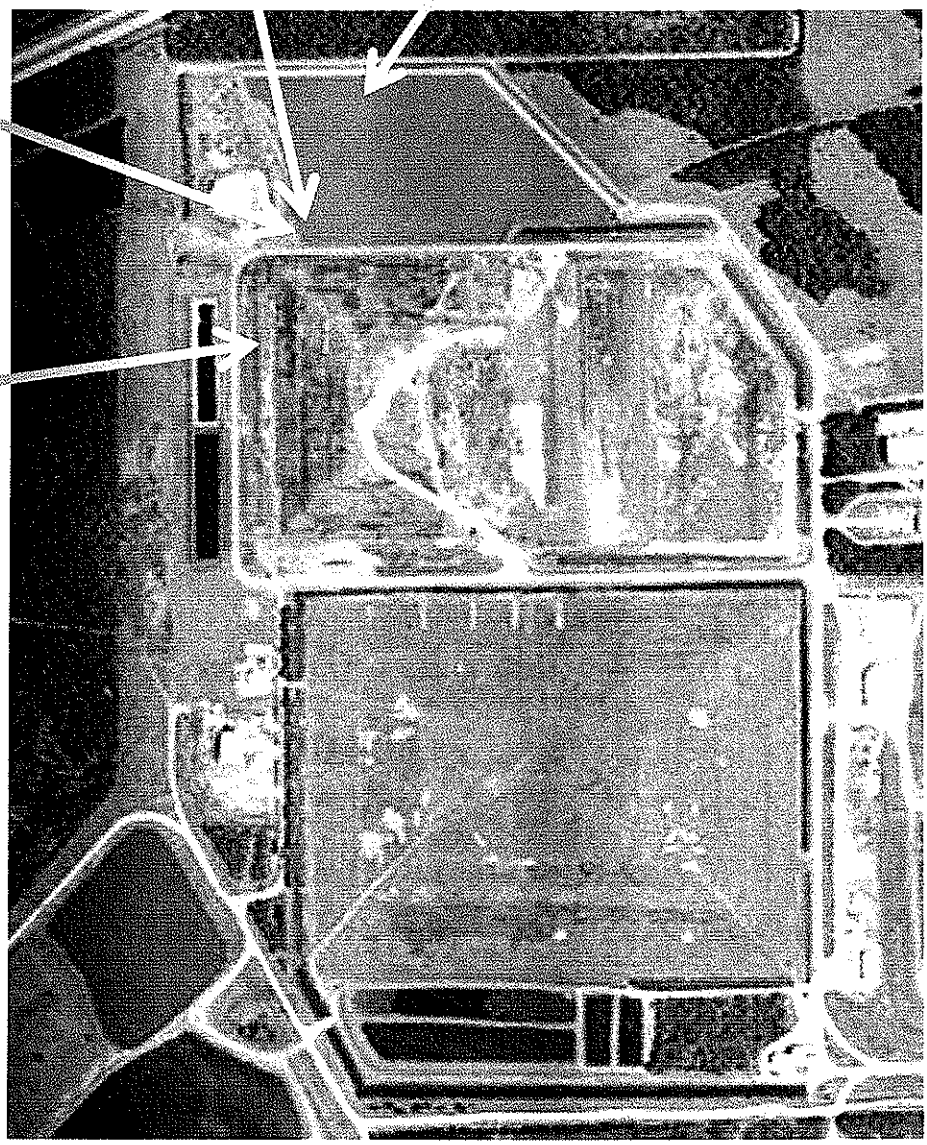
N

Exterior Sampling Location

Background Sampling Location

Interior Sampling Location

Discharge Location



S2i
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Maitland, Florida 32751
(407) 475-9163 Fax (407) 475-9169
Certification of Authorization #7831

SITE PLAN SHOWING SAMPLING LOCATIONS
TOMOKA FARMS ROAD LANDFILL
VOLUSIA COUNTY, FLORIDA

FIGURE 1

TABLE I

Comparison of Detected Constituents 1/
Leachate Release Sampling
Volusia County TFR Landfill
November 9, 2010

Parameter	Units	Interior	Exterior	Background	MCL 2/
Antimony	ug/l	1.4	0.88	< 7.5	4,300
Arsenic	ug/l	8.7	< 5.0	< 5.0	50
Barium	ug/l	36.9	36.4	39.6	na 3/
Chloride	mg/l	97.7	76.7	75.3	na
Chromium	ug/l	2.5	< 2.5	< 2.5	11
Hardness, as $CaCO_3$	mg/l	173	182	181	na
Iron	ug/l	210	87.7	96.0	1,000
Nickel	ug/l	5.6	4.2	4.0	82.9 – 86.6
Nitrate Nitrogen	mg/l	0.21	0.13	< 0.025	na
Ammonia Nitrogen	mg/l	1.5	0.49	< 0.080	na
Sodium	mg/l	79.7	58.6	58.5	na
TDS	mg/l	500	401	375	na
Vanadium	ug/l	6.7	< 5.0	< 5.0	na

Notes: 1/. Only parameters detected by the laboratory in Interior and Exterior samples are listed.
2/. MCL is criteria from Rule 62-302.530,F.A.C. for Class III Fresh Waters.
3/. na means not applicable.

ATTACHMENT 1

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CHAIN-OF-CUSTODY / Analytical Request Document

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

3521810

Page: of

1439464

Section A Required Client Information:

Company: Volusia County SW
Address: 1990 Tomoka Farms Rd
Port Orange FL 32128
Email To: jstirk@co.volusia.fl.us
Phone: 386 947 2952 Fax: 386 947 2955
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Jennifer Stirk
Copy To:
Purchase Order No.:
Project Name:
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 1590

REGULATORY AGENCY

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

Site Location STATE: _____

Section D Required Client Information

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

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BOD, Nitrate, TSS	Chlorophyll A	6010 Metals	TOC	EDB	Nitrogen, NH3, COD, TP, TKN	Low level Hg	VOC	TDS	Fecal Coli	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SW-12 Background	WT	G	11/9/10	315				14	X	X	X	X		X			X	X	X	X	X	+	+	+	X	X	X		L3
2	~~Equipment~~ QBS								~~1~~																					
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	SAMPLING KIT-EMPTY						
	J Plant	11/9/10	3:15	J Plant	11/9/10	12:00	
	J Plant	11/9/10	3:15		11/9/10	1515	
					11/9/10	1605	4.6

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jason Plant

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 11/9/10

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

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

C-5

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Pace Analytical

Client Name: Volusia County Project # 3521810

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ B&B ☐ Other _____

Tracking # _____

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

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

Thermometer Used L4 ● L6 **Type of Ice:** (Wet) Blue None

Cooler Temperature 0.3 **(Actual)** (Temp should be above freezing to 6°C)

Date and Initials of person examining contents: 11/10/11 RSD

Secondary Review Initials: _____

Receipt of samples satisfactory: ☑ Yes ☐ No

Rush TAT requested on COC: ☐

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ **Date:** 11/10/11

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

_____ x 6 Gal
_____ x 2.5 Gal
_____ x 1 Gal
_____ x 1 Liter
_____ x 500 mL
_____ x 250 mL
_____ x Other: _____

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

December 06, 2010

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

RE: Project: SW-12 Background
Pace Project No.: 3521810

Dear Ms. Stirk:
Enclosed are the analytical results for sample(s) received by the laboratory on November 09, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Jeff Baylor

Jeff Baylor

jeff.baylor@pacelabs.com
Project Manager

Enclosures

cc: Ms. Lynne McDaniel, HDR Engineering, Inc.
Mr. Matthew Moore, SCS Engineers

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CERTIFICATIONS

Project: SW-12 Background
Pace Project No.: 3521810

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH 0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: LA090012
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL1264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
Virginia Certification #: 00432
Wyoming Certification: FL NELAC Reciprocity

Tampa Certification IDs
1209 Tech Boulevard, Ste 207, Tampa FL 33619
Florida Certification #: E84973

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: SW-12 Background
Pace Project No.: 3521810

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3521810001	**SW-12 Background**	Water	11/09/10 15:15	11/09/10 16:05

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SAMPLE ANALYTE COUNT

Project: SW-12 Background
Pace Project No.: 3521810

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3521810001	**SW-12 Background**	EPA 1631E	GMW	1	PASI-G
		EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	11	PASI-O
		EPA 6020	DRS	7	PASI-O
		SM 9222D	MMD	1	PASI-O
		EPA 8260	JBH	49	PASI-O
		SM 2540C	VRW	1	PASI-T
		SM 2540D	TP1	1	PASI-O
		EPA 350.1	AMD	1	PASI-O
		SM 5210B	MBS	1	PASI-O
		SM10200	KHC	1	PASI-O
		TKN+NOx Calculation	AMD	1	PASI-O
		EPA 300.0	TLK	1	PASI-O
		EPA 350.1	AMD	1	PASI-O
		EPA 351.2	AMD	1	PASI-O
		EPA 353.2	HEM	1	PASI-O
		EPA 365.4	AMD	1	PASI-O
		EPA 410.4	MMD	1	PASI-O
		SM 5310B	HEM	1	PASI-O

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Date: December 06, 2010

The client requested Chloride be run on 3521810001. A revised report was generated with this result added.

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: **EPA 1631E**
Description: 1631E Mercury, Low Level
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for EPA 1631E. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: CVFS/2274

3p: Sample was received with headspace.

- SW-12 Background (Lab ID: 3521810001)
  - Mercury

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: **EPA 8011**
Description: 8011 GCS EDB and DBCP
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for EPA 8011. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 8011 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: **EPA 6010**
Description: 6010 MET ICP
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: **EPA 6020**
Description: 6020 MET ICPMS
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for EPA 6020. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: **SM 9222D**
Description: 9222D Fecal Coliform
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for SM 9222D. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with SM 9222D with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: **EPA 8260**
Description: 8260 MSV
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: **SM 2540C**
Description: 2540C Total Diss. Solids Tampa
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for SM 2540C. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: **SM 2540D**
Description: 2540D Total Suspended Solids
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for SM 2540D. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: EPA 350.1
Description: 350.1 Ammonia, NH4 + Unionized
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for EPA 350.1. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: **SM 5210B**
Description: 5210B BOD, 5 day
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for SM 5210B. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: **SM10200**
Description: Chlorophyll & Pheophytin
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for SM10200. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with SM10200 with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: **TKN+NOx Calculation**
Description: Total Nitrogen Calculation
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for TKN+NOx Calculation. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: **EPA 300.0**
Description: 300.0 IC Anions
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for EPA 300.0. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/7248

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3520442025,3521836001

J(M1): Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 140054)
  - Nitrate as N
- MSD (Lab ID: 140055)
  - Nitrate as N

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: **EPA 350.1**
Description: 350.1 Ammonia
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for EPA 350.1. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: WETA/7283

1p: Sample diluted due to matrix interference.
- SW-12 Background (Lab ID: 3521810001)
  - Nitrogen, Ammonia

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: EPA 351.2
Description: 351.2 Total Kjeldahl Nitrogen
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for EPA 351.2. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 351.2 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: EPA 353.2
Description: 353.2 Nitrogen, NO2/NO3 pres.
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for EPA 353.2. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: WETA/7335

2p: Sample required a dilution due to matrix interference, which resulted in elevated reporting limits for the target compound(s).

- SW-12 Background (Lab ID: 3521810001)
  - Nitrogen, NO2 plus NO3

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: EPA 365.4
Description: 365.4 Phosphorus, Total
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for EPA 365.4. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 365.4 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: **EPA 410.4**
Description: 410.4 COD
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for EPA 410.4. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: SW-12 Background
Pace Project No.: 3521810

Method: **SM 5310B**
Description: 5310B TOC
Client: Volusia County Solid Waste Management
Date: December 06, 2010

General Information:
1 sample was analyzed for SM 5310B. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: SW-12 Background
Pace Project No.: 3521810

Sample: SW-12 Background **Lab ID: 3521810001** Collected: 11/09/10 15:15 Received: 11/09/10 16:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
1631E Mercury, Low Level	Analytical Method: EPA 1631E								
Mercury	**0.00182**	ug/L	0.00050	0.00013	1	11/16/10 09:00	11/17/10 10:26	7439-97-6	3p
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049U**	ug/L	0.020	0.0049	1	11/16/10 14:00	11/17/10 04:42	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062U**	ug/L	0.010	0.0062	1	11/16/10 14:00	11/17/10 04:42	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	**7.5U**	ug/L	15.0	7.5	1	11/15/10 07:20	11/16/10 17:13	7440-36-0	
Arsenic	**5.0U**	ug/L	10.0	5.0	1	11/15/10 07:20	11/16/10 17:13	7440-38-2	
Barium	**39.6**	ug/L	10.0	5.0	1	11/15/10 07:20	11/16/10 17:13	7440-39-3	
Chromium	**2.5U**	ug/L	5.0	2.5	1	11/15/10 07:20	11/16/10 17:13	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	11/15/10 07:20	11/16/10 17:13	7440-48-4	
Iron	**96.0**	ug/L	40.0	20.0	1	11/15/10 07:20	11/16/10 17:13	7439-89-6	
Nickel	**4.0 I**	ug/L	5.0	2.5	1	11/15/10 07:20	11/16/10 17:13	7440-02-0	
Sodium	**58.5**	mg/L	1.0	0.50	1	11/15/10 07:20	11/16/10 17:13	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**181**	mg/L	3.2	1.6	1	11/15/10 07:20	11/16/10 17:13		
Vanadium	**5.0U**	ug/L	10.0	5.0	1	11/15/10 07:20	11/16/10 17:13	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	11/15/10 07:20	11/16/10 17:13	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Beryllium	**0.050U**	ug/L	0.10	0.050	1	11/15/10 07:20	11/17/10 13:49	7440-41-7	
Cadmium	**0.050U**	ug/L	0.10	0.050	1	11/15/10 07:20	11/17/10 13:49	7440-43-9	
Copper	**0.93U**	ug/L	1.0	0.93	1	11/15/10 07:20	11/17/10 13:49	7440-50-8	
Lead	**0.50U**	ug/L	1.0	0.50	1	11/15/10 07:20	11/17/10 13:49	7439-92-1	
Selenium	**0.50U**	ug/L	1.0	0.50	1	11/15/10 07:20	11/17/10 13:49	7782-49-2	
Silver	**0.050U**	ug/L	0.10	0.050	1	11/15/10 07:20	11/17/10 13:49	7440-22-4	
Thallium	**0.50U**	ug/L	1.0	0.50	1	11/15/10 07:20	11/17/10 13:49	7440-28-0	
9222D Fecal Coliform	Analytical Method: SM 9222D Preparation Method: SM 9222D								
Fecal Coliforms	**104**	CFU/100 mL	1.0	1.0	1	11/09/10 16:58	11/10/10 15:06		
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		11/17/10 18:43	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		11/17/10 18:43	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		11/17/10 18:43	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		11/17/10 18:43	78-93-3	
Carbon disulfide	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	75-00-3	

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ANALYTICAL RESULTS

Project: SW-12 Background
Pace Project No.: 3521810

Sample: SW-12 Background **Lab ID: 3521810001** Collected: 11/09/10 15:15 Received: 11/09/10 16:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chloroform	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		11/17/10 18:43	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		11/17/10 18:43	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		11/17/10 18:43	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		11/17/10 18:43	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		11/17/10 18:43	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		11/17/10 18:43	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		11/17/10 18:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		11/17/10 18:43	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	630-20-6	
1,1,2,2-Tetrachloroethane	**0.18U**	ug/L	0.50	0.18	1		11/17/10 18:43	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		11/17/10 18:43	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		11/17/10 18:43	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		11/17/10 18:43	1330-20-7	
4-Bromofluorobenzene (S)	93	%	70-114		1		11/17/10 18:43	460-00-4	
Dibromofluoromethane (S)	109	%	88-117		1		11/17/10 18:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	120	%	86-125		1		11/17/10 18:43	17060-07-0	
Toluene-d8 (S)	93	%	87-113		1		11/17/10 18:43	2037-26-5	
2540C Total Diss. Solids Tampa	Analytical Method: SM 2540C								
Total Dissolved Solids	**375**	mg/L	5.0	5.0	1		11/15/10 09:49		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**18.0**	mg/L	5.0	5.0	1		11/11/10 07:54		
350.1 Ammonia, NH4 + Unionized	Analytical Method: EPA 350.1								
Nitrogen, Ammonia (Unionized)	**0.020U**	mg/L	0.050	0.020	1		11/23/10 09:45		

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ANALYTICAL RESULTS

Project: SW-12 Background
Pace Project No.: 3521810

Sample: SW-12 Background **Lab ID: 3521810001** Collected: 11/09/10 15:15 Received: 11/09/10 16:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**2.8**	mg/L	2.0	2.0	1	11/10/10 15:16	11/15/10 15:11		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
Chlorophyll a	**6.8**	ug/L	1.0	1.0	1	11/10/10 17:00	11/17/10 14:09		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation								
Total Nitrogen	**2.9**	mg/L	0.50	0.25	1		11/17/10 15:13		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.025U**	mg/L	0.050	0.025	1		11/10/10 20:51	14797-55-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.080U**	mg/L	0.20	0.080	4		11/12/10 16:28	7664-41-7	1p
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	**2.9**	mg/L	0.50	0.25	1	11/12/10 09:17	11/17/10 09:32	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**0.13U**	mg/L	0.25	0.13	5		11/16/10 11:57		2p
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
Phosphorus, Total (as P)	**0.050U**	mg/L	0.10	0.050	1	11/12/10 09:17	11/17/10 09:32	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4								
Chemical Oxygen Demand	**99.8**	mg/L	25.0	12.5	1		11/22/10 18:13		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**27.3**	mg/L	1.0	0.50	1		11/16/10 11:58	7440-44-0	
	Analytical Method: EPA 300.0								
Chloride	**75.3**	mg/L	5.0	2.5	1		12/03/10 17:55	16887-00-6	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

QC Batch: CVFS/2274 Analysis Method: EPA 1631E
QC Batch Method: EPA 1631E Analysis Description: 1631E Mercury
Associated Lab Samples: 3521810001

METHOD BLANK: 385566 Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.00013U	0.00050	11/17/10 09:23	

METHOD BLANK: 385567 Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.00013U	0.00050	11/17/10 10:43	

METHOD BLANK: 385568 Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.00013U	0.00050	11/17/10 12:23	

LABORATORY CONTROL SAMPLE & LCSD: 385569 385570

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Mercury	ug/L	.005	0.00515	0.00494	103	99	79-121	4	24	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 385571 385572

Parameter	Units	4039623001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	342 ng/L	1	1	1.45	1.43	111	108	75-125	2	24	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 385573 385574

Parameter	Units	4039623008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	50.7 ng/L	.2	.2	0.262	0.255	106	102	75-125	3	24	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

QC Batch: OEXT/3529
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 3521810001

METHOD BLANK: 141874 Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	11/17/10 02:18	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	11/17/10 02:18	

LABORATORY CONTROL SAMPLE: 141875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.25	100	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.23	94	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 141876 141877

Parameter	Units	3521739019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0050 U	.44	.44	0.46	0.48	104	109	60-140	4	40	
1,2-Dibromoethane (EDB)	ug/L	0.0064 U	.44	.44	0.48	0.51	111	116	60-140	4	40	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

QC Batch: MPRP/3578
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 3521810001

METHOD BLANK: 141521 Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	7.5U	15.0	11/16/10 16:35	
Arsenic	ug/L	5.0U	10.0	11/16/10 16:35	
Barium	ug/L	5.0U	10.0	11/16/10 16:35	
Chromium	ug/L	2.5U	5.0	11/16/10 16:35	
Cobalt	ug/L	5.0U	10.0	11/16/10 16:35	
Iron	ug/L	20.0U	40.0	11/16/10 16:35	
Nickel	ug/L	2.5U	5.0	11/16/10 16:35	
Sodium	mg/L	0.50U	1.0	11/16/10 16:35	
Tot Hardness asCaCO3 (SM 2340B	mg/L	1.6U	3.2	11/16/10 16:35	
Vanadium	ug/L	5.0U	10.0	11/16/10 16:35	
Zinc	ug/L	10.0U	20.0	11/16/10 16:35	

LABORATORY CONTROL SAMPLE: 141522

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	250	275	110	80-120	
Arsenic	ug/L	250	273	109	80-120	
Barium	ug/L	250	276	110	80-120	
Chromium	ug/L	250	280	112	80-120	
Cobalt	ug/L	250	279	112	80-120	
Iron	ug/L	2500	2760	110	80-120	
Nickel	ug/L	250	280	112	80-120	
Sodium	mg/L	12.5	13.6	109	80-120	
Tot Hardness asCaCO3 (SM 2340B	mg/L		88.4			
Vanadium	ug/L	250	273	109	80-120	
Zinc	ug/L	1250	1360	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 141523 141524

Parameter	Units	3521205047 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	7.5U	250	250	277	279	111	112	75-125	.7	20	
Arsenic	ug/L	5.0U	250	250	272	274	109	110	75-125	.7	20	
Barium	ug/L	5.0U	250	250	280	281	111	111	75-125	.4	20	
Chromium	ug/L	2.5U	250	250	279	281	112	112	75-125	.7	20	
Cobalt	ug/L	5.0U	250	250	278	280	111	112	75-125	.7	20	
Iron	ug/L	30.9 I	2500	2500	2790	2810	110	111	75-125	.7	20	
Nickel	ug/L	2.5U	250	250	280	281	111	112	75-125	.4	20	
Sodium	mg/L	2.9	12.5	12.5	16.5	16.6	109	109	75-125	.6	20	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 141523 141524

Parameter	Units	3521205047 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Tot Hardness asCaCO3 (SM 2340B	mg/L ug/L	22400			111	111				.2	20	
Vanadium	ug/L	5.0U	250	250	277	278	109	110	75-125	.4	20	
Zinc	ug/L	10.0U	1250	1250	1360	1360	109	109	75-125	0	20	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

QC Batch: MPRP/3577
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Associated Lab Samples: 3521810001

METHOD BLANK: 141517
Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	0.050U	0.10	11/17/10 12:44	
Cadmium	ug/L	0.050U	0.10	11/17/10 12:44	
Copper	ug/L	0.93U	1.0	11/17/10 12:44	
Lead	ug/L	0.50U	1.0	11/17/10 12:44	
Selenium	ug/L	0.50U	1.0	11/17/10 12:44	
Silver	ug/L	0.050U	0.10	11/17/10 12:44	
Thallium	ug/L	0.50U	1.0	11/17/10 12:44	

LABORATORY CONTROL SAMPLE: 141518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	5	5.4	108	90-110	
Cadmium	ug/L	5	4.8	96	90-110	
Copper	ug/L	50	55.0	110	90-110	
Lead	ug/L	50	50.5	101	90-110	
Selenium	ug/L	50	54.1	108	90-110	
Silver	ug/L	5	5.2	104	90-110	
Thallium	ug/L	50	51.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 141519 141520

Parameter	Units	3521205046 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Beryllium	ug/L	0.050U	5	5	5.2	5.3	104	105	70-130	1	20	
Cadmium	ug/L	0.050U	5	5	4.8	4.8	95	95	70-130	.08	20	
Copper	ug/L	0.93U	50	50	48.5	49.4	96	98	70-130	2	20	
Lead	ug/L	0.50U	50	50	50.5	50.9	101	102	70-130	.9	20	
Selenium	ug/L	0.50U	50	50	50.8	54.5	102	109	70-130	7	20	
Silver	ug/L	0.050U	5	5	4.8	4.8	96	97	70-130	.6	20	
Thallium	ug/L	0.96 I	50	50	52.4	53.0	103	104	70-130	1	20	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

QC Batch: MBIO/4026
QC Batch Method: SM 9222D
Analysis Method: SM 9222D
Analysis Description: 9222D MBIO Fecal Coliform
Associated Lab Samples: 3521810001

METHOD BLANK: 140818 Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fecal Coliforms	CFU/100 mL	1.0U	1.0	11/10/10 15:06	

SAMPLE DUPLICATE: 140819

Parameter	Units	3521750001 Result	Dup Result	RPD	Max RPD	Qualifiers
Fecal Coliforms	CFU/100 mL	2.0U	2.0U			

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

QC Batch: MSV/2377
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 3521810001

METHOD BLANK: 142624
Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	11/17/10 10:47	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	11/17/10 10:47	
1,1,2,2-Tetrachloroethane	ug/L	0.18U	0.50	11/17/10 10:47	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	11/17/10 10:47	
1,1-Dichloroethane	ug/L	0.50U	1.0	11/17/10 10:47	
1,1-Dichloroethene	ug/L	0.50U	1.0	11/17/10 10:47	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	11/17/10 10:47	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	11/17/10 10:47	
1,2-Dichloroethane	ug/L	0.50U	1.0	11/17/10 10:47	
1,2-Dichloropropane	ug/L	0.50U	1.0	11/17/10 10:47	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	11/17/10 10:47	
2-Butanone (MEK)	ug/L	5.0U	10.0	11/17/10 10:47	
2-Hexanone	ug/L	5.0U	10.0	11/17/10 10:47	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	11/17/10 10:47	
Acetone	ug/L	5.0U	10.0	11/17/10 10:47	
Acrylonitrile	ug/L	5.0U	10.0	11/17/10 10:47	
Benzene	ug/L	0.50U	1.0	11/17/10 10:47	
Bromochloromethane	ug/L	0.50U	1.0	11/17/10 10:47	
Bromodichloromethane	ug/L	0.27U	0.60	11/17/10 10:47	
Bromoform	ug/L	0.50U	1.0	11/17/10 10:47	
Bromomethane	ug/L	0.50U	1.0	11/17/10 10:47	
Carbon disulfide	ug/L	0.50U	1.0	11/17/10 10:47	
Carbon tetrachloride	ug/L	0.50U	1.0	11/17/10 10:47	
Chlorobenzene	ug/L	0.50U	1.0	11/17/10 10:47	
Chloroethane	ug/L	0.50U	1.0	11/17/10 10:47	
Chloroform	ug/L	0.50U	1.0	11/17/10 10:47	
Chloromethane	ug/L	0.62U	1.0	11/17/10 10:47	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	11/17/10 10:47	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	11/17/10 10:47	
Dibromochloromethane	ug/L	0.26U	0.50	11/17/10 10:47	
Dibromomethane	ug/L	0.50U	1.0	11/17/10 10:47	
Ethylbenzene	ug/L	0.50U	1.0	11/17/10 10:47	
Iodomethane	ug/L	0.50U	1.0	11/17/10 10:47	
Methylene Chloride	ug/L	2.5U	5.0	11/17/10 10:47	
Styrene	ug/L	0.50U	1.0	11/17/10 10:47	
Tetrachloroethene	ug/L	0.50U	1.0	11/17/10 10:47	
Toluene	ug/L	0.50U	1.0	11/17/10 10:47	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	11/17/10 10:47	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	11/17/10 10:47	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	11/17/10 10:47	
Trichloroethene	ug/L	0.50U	1.0	11/17/10 10:47	
Trichlorofluoromethane	ug/L	0.50U	1.0	11/17/10 10:47	
Vinyl acetate	ug/L	1.0U	2.0	11/17/10 10:47	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

METHOD BLANK: 142624 Matrix: Water

Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	0.50U	1.0	11/17/10 10:47	
Xylene (Total)	ug/L	0.50U	1.0	11/17/10 10:47	
1,2-Dichloroethane-d4 (S)	%	123	86-125	11/17/10 10:47	
4-Bromofluorobenzene (S)	%	92	70-114	11/17/10 10:47	
Dibromofluoromethane (S)	%	111	88-117	11/17/10 10:47	
Toluene-d8 (S)	%	95	87-113	11/17/10 10:47	

LABORATORY CONTROL SAMPLE: 142625

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.9	109	76.8-126.8	
1,1,1-Trichloroethane	ug/L	20	20.6	103	81.9-126.8	
1,1,2,2-Tetrachloroethane	ug/L	20	22.3	111	70.5-131.7	
1,1,2-Trichloroethane	ug/L	20	21.7	109	84.1-122.6	
1,1-Dichloroethane	ug/L	20	19.7	98	66.4-138.6	
1,1-Dichloroethene	ug/L	20	18.1	90	79.3-127.5	
1,2,3-Trichloropropane	ug/L	20	24.3	121	58.2-134.6	
1,2-Dichlorobenzene	ug/L	20	21.3	106	91.7-127	
1,2-Dichloroethane	ug/L	20	20.9	104	85.9-121.9	
1,2-Dichloropropane	ug/L	20	19.3	96	82.2-129.1	
1,4-Dichlorobenzene	ug/L	20	20.0	100	91.9-121.7	
2-Butanone (MEK)	ug/L	20	21.7	108	53.8-156.3	
2-Hexanone	ug/L	20	21.6	108	57.5-155.8	
4-Methyl-2-pentanone (MIBK)	ug/L	20	22.3	111	71.8-134.4	
Acetone	ug/L	20	21.1	106	47.2-184.1	
Acrylonitrile	ug/L	200	211	105	57.8-125.9	
Benzene	ug/L	20	18.3	91	77.3-132.8	
Bromochloromethane	ug/L	20	20.3	102	87.4-122.8	
Bromodichloromethane	ug/L	20	19.4	97	77.2-121.1	
Bromoform	ug/L	20	18.5	92	65.9-133.5	
Bromomethane	ug/L	20	16.7	83	48.2-223.9	
Carbon disulfide	ug/L	20	17.3	86	20.3-195.4	
Carbon tetrachloride	ug/L	20	20.9	105	69-155.5	
Chlorobenzene	ug/L	20	19.0	95	76.9-123.9	
Chloroethane	ug/L	20	14.5	73	46.7-157.8	
Chloroform	ug/L	20	18.6	93	69.7-132	
Chloromethane	ug/L	20	16.2	81	54.4-153.8	
cis-1,2-Dichloroethene	ug/L	20	21.0	105	84-127.9	
cis-1,3-Dichloropropene	ug/L	20	20.2	101	73-121.6	
Dibromochloromethane	ug/L	20	20.4	102	65.4-126.2	
Dibromomethane	ug/L	20	20.5	102	85.3-121.7	
Ethylbenzene	ug/L	20	19.9	99	66.4-134.4	
Iodomethane	ug/L	20	18.4	92	1-243.3	
Methylene Chloride	ug/L	20	18.1	90	65.7-137.3	
Styrene	ug/L	20	19.5	97	76.5-118.5	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

LABORATORY CONTROL SAMPLE: 142625

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	19.4	97	71-134	
Toluene	ug/L	20	19.2	96	75-129	
trans-1,2-Dichloroethene	ug/L	20	19.6	98	83.3-126.3	
trans-1,3-Dichloropropene	ug/L	20	21.2	106	67.6-130	
trans-1,4-Dichloro-2-butene	ug/L	20	21.6	108	36.1-177.4	
Trichloroethene	ug/L	20	19.9	100	81.1-122.4	
Trichlorofluoromethane	ug/L	20	18.5	92	75.4-124.6	
Vinyl acetate	ug/L	20	22.5	112	72.2-139	
Vinyl chloride	ug/L	20	16.3	82	70.2-136.9	
Xylene (Total)	ug/L	60	57.1	95	82.3-126	
1,2-Dichloroethane-d4 (S)	%			105	86-125	
4-Bromofluorobenzene (S)	%			93	70-114	
Dibromofluoromethane (S)	%			100	88-117	
Toluene-d8 (S)	%			93	87-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 142626 142627

Parameter	Units	3521204034 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	20	22.5	20.6	113	103	70-130	9	40	
1,1,1-Trichloroethane	ug/L	0.50U	20	20	21.2	18.6	106	93	70-130	13	40	
1,1,2,2-Tetrachloroethane	ug/L	0.18U	20	20	20.5	18.3	103	91	70-130	12	40	
1,1,2-Trichloroethane	ug/L	0.50U	20	20	21.6	19.7	108	98	70-130	9	40	
1,1-Dichloroethane	ug/L	0.50U	20	20	20.5	19.4	102	96	70-130	6	40	
1,1-Dichloroethene	ug/L	0.50U	20	20	21.5	20.0	108	100	70-130	7	40	
1,2,3-Trichloropropane	ug/L	0.36U	20	20	20.8	20.1	104	101	70-130	3	40	
1,2-Dichlorobenzene	ug/L	0.50U	20	20	21.2	18.9	106	94	70-130	12	40	
1,2-Dichloroethane	ug/L	0.50U	20	20	20.3	18.6	102	93	70-130	9	40	
1,2-Dichloropropane	ug/L	0.50U	20	20	21.1	18.5	105	93	70-130	13	40	
1,4-Dichlorobenzene	ug/L	0.50U	20	20	20.6	18.9	102	93	70-130	8	40	
2-Butanone (MEK)	ug/L	5.0U	20	20	18.9	15.5	95	77	70-130	20	40	
2-Hexanone	ug/L	5.0U	20	20	19.6	18.2	98	91	70-130	8	40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	20	20	21.5	18.9	108	94	70-130	13	40	
Acetone	ug/L	5.0U	20	20	17.9	16.2	80	72	70-130	10	40	
Acrylonitrile	ug/L	5.0U	200	200	216	201	108	101	70-130	7	40	
Benzene	ug/L	0.87 I	20	20	20.5	18.9	98	90	70-130	8	40	
Bromochloromethane	ug/L	0.50U	20	20	20.7	17.4	104	87	70-130	17	40	
Bromodichloromethane	ug/L	0.27U	20	20	21.5	19.1	107	95	70-130	12	40	
Bromoform	ug/L	0.50U	20	20	18.7	16.4	93	82	70-130	13	40	
Bromomethane	ug/L	0.50U	20	20	19.3	16.2	97	81	70-130	18	40	
Carbon disulfide	ug/L	0.50U	20	20	20.5	19.4	102	96	70-130	6	40	
Carbon tetrachloride	ug/L	0.50U	20	20	22.2	19.3	111	96	70-130	14	40	
Chlorobenzene	ug/L	2.4	20	20	22.6	21.4	101	95	70-130	6	40	
Chloroethane	ug/L	0.97 I	20	20	20.4	18.3	97	87	70-130	11	40	
Chloroform	ug/L	0.50U	20	20	19.8	18.0	99	90	70-130	10	40	
Chloromethane	ug/L	0.62U	20	20	20.1	16.7	99	83	70-130	18	40	
cis-1,2-Dichloroethene	ug/L	0.50U	20	20	21.3	20.1	107	101	70-130	6	40	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 142626 142627

Parameter	Units	3521204034 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,3-Dichloropropene	ug/L	0.25U	20	20	19.1	17.2	95	86	70-130	10	40	
Dibromochloromethane	ug/L	0.26U	20	20	19.4	18.2	97	91	70-130	7	40	
Dibromomethane	ug/L	0.50U	20	20	21.7	18.6	109	93	70-130	15	40	
Ethylbenzene	ug/L	0.50U	20	20	22.1	20.5	111	102	70-130	8	40	
Iodomethane	ug/L	0.50U	20	20	22.4	19.0	112	95	70-130	16	40	
Methylene Chloride	ug/L	2.5U	20	20	19.7	17.8	99	89	70-130	11	40	
Styrene	ug/L	0.50U	20	20	21.6	20.2	108	101	70-130	7	40	
Tetrachloroethene	ug/L	0.50U	20	20	20.4	19.1	102	96	70-130	6	40	
Toluene	ug/L	2.4	20	20	24.4	23.0	110	103	70-130	6	40	
trans-1,2-Dichloroethene	ug/L	0.50U	20	20	20.7	19.5	104	97	70-130	6	40	
trans-1,3-Dichloropropene	ug/L	0.25U	20	20	20.3	18.6	101	93	70-130	8	40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	20	18.5	18.2	92	91	70-130	2	40	
Trichloroethene	ug/L	0.50U	20	20	20.7	17.9	104	89	70-130	15	40	
Trichlorofluoromethane	ug/L	0.50U	20	20	23.4	19.6	117	98	70-130	17	40	
Vinyl acetate	ug/L	1.0U	20	20	20.4	18.1	102	91	70-130	12	40	
Vinyl chloride	ug/L	0.50U	20	20	20.7	17.9	103	90	70-130	14	40	
Xylene (Total)	ug/L	0.50U	60	60	62.8	58.4	104	97	70-130	7	40	
1,2-Dichloroethane-d4 (S)	%						102	104	86-125			
4-Bromofluorobenzene (S)	%						98	98	70-114			
Dibromofluoromethane (S)	%						104	105	88-117			
Toluene-d8 (S)	%						98	98	87-113			

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

QC Batch: TAMP/1961
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Diss. Solids Tampa
Associated Lab Samples: 3521810001

METHOD BLANK: 141606 Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	11/15/10 09:46	

LABORATORY CONTROL SAMPLE: 141607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	283	94	90-110	

SAMPLE DUPLICATE: 141608

Parameter	Units	3521739022 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	680	640	6	20	

SAMPLE DUPLICATE: 141609

Parameter	Units	3521739030 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	788	810	3	20	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

QC Batch: WET/6087
QC Batch Method: SM 2540D
Analysis Method: SM 2540D
Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 3521810001

METHOD BLANK: 140364 Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	5.0U	5.0	11/11/10 07:54	

LABORATORY CONTROL SAMPLE: 140365

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	80	84.0	105	90-110	

SAMPLE DUPLICATE: 140366

Parameter	Units	3521817001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	27.0	29.5	9	20	

SAMPLE DUPLICATE: 140367

Parameter	Units	3521866001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	5.0U	5.0U		20	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

QC Batch: WET/6080
QC Batch Method: SM 5210B
Analysis Method: SM 5210B
Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 3521810001

METHOD BLANK: 140180 Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	2.0U	2.0	11/15/10 14:53	

LABORATORY CONTROL SAMPLE: 140181

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	198	100	85-115	

SAMPLE DUPLICATE: 140182

Parameter	Units	3521205042 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	4.8	4.9	3	20	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

QC Batch: WET/6093
QC Batch Method: SM10200
Analysis Method: SM10200
Analysis Description: Chlorophyll & Pheophytin
Associated Lab Samples: 3521810001

METHOD BLANK: 140483 Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlorophyll a	ug/L	1.0U	1.0	11/17/10 14:09	

SAMPLE DUPLICATE: 140484

Parameter	Units	3521845001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chlorophyll a	ug/L	11.1 mg/m3	9.5	16	20	

SAMPLE DUPLICATE: 140485

Parameter	Units	3521866001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chlorophyll a	ug/L	2.8 mg/m3	2.8	0	20	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

QC Batch: WETA/7248
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Associated Lab Samples: 3521810001

METHOD BLANK: 140050 Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	0.025U	0.050	11/10/10 18:13	

LABORATORY CONTROL SAMPLE: 140051

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	5.0	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 140052 140053

Parameter	Units	3520442025 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.13	5	5	5.0	4.9	96	96	90-110	.08	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 140054 140055

Parameter	Units	3521836001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	7.0	5	5	12.8	12.8	115	115	90-110	.2	20	J(M1)

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

QC Batch: WETA/7562
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Associated Lab Samples: 3521810001

METHOD BLANK: 147356 Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5U	5.0	12/03/10 09:38	

LABORATORY CONTROL SAMPLE: 147357

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 147358 147359

Parameter	Units	3522824015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	6.5	50	50	57.1	56.9	101	101	90-110	.4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 147360 147361

Parameter	Units	3522906002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	86.4	50	50	140	140	108	108	90-110	.03	20	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

QC Batch: WETA/7283
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Associated Lab Samples: 3521810001

METHOD BLANK: 141012 Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.050	11/12/10 13:49	

LABORATORY CONTROL SAMPLE: 141013

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.98	98	90-110	

MATRIX SPIKE SAMPLE: 141015

Parameter	Units	3521739057 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.26	1	1.2	95	90-110	

SAMPLE DUPLICATE: 141014

Parameter	Units	3521739057 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.26	0.27	4	20	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

QC Batch: WETA/7309
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Associated Lab Samples: 3521810001

METHOD BLANK: 141591
Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.25U	0.50	11/17/10 09:29	

LABORATORY CONTROL SAMPLE: 141592

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	20	21.0	105	90-110	

MATRIX SPIKE SAMPLE: 141594

Parameter	Units	3521810001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	2.9	20	22.5	98	90-110	

SAMPLE DUPLICATE: 141593

Parameter	Units	3521810001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	2.9	2.8	2	20	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

QC Batch: WETA/7335
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 3521810001

METHOD BLANK: 142009 Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.025U	0.050	11/16/10 09:54	

LABORATORY CONTROL SAMPLE: 142010

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.0	101	90-110	

MATRIX SPIKE SAMPLE: 142012

Parameter	Units	3521748003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.025U	2	2.0	98	80-120	

SAMPLE DUPLICATE: 142011

Parameter	Units	3521748003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.025U	0.025U		20	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

QC Batch: WETA/7310
QC Batch Method: EPA 365.4
Analysis Method: EPA 365.4
Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 3521810001

METHOD BLANK: 141595 Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus, Total (as P)	mg/L	0.050U	0.10	11/17/10 10:09	

LABORATORY CONTROL SAMPLE: 141596

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus, Total (as P)	mg/L	4	4.1	102	90-110	

MATRIX SPIKE SAMPLE: 141598

Parameter	Units	3521810001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus, Total (as P)	mg/L	0.050U	4	3.7	93	80-120	

SAMPLE DUPLICATE: 141597

Parameter	Units	3521810001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus, Total (as P)	mg/L	0.050U	0.050U		20	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

QC Batch: WETA/7451
QC Batch Method: EPA 410.4
Analysis Method: EPA 410.4
Analysis Description: 410.4 COD
Associated Lab Samples: 3521810001

METHOD BLANK: 144620 Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5U	25.0	11/22/10 18:13	

LABORATORY CONTROL SAMPLE: 144621

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	509	102	90-110	

MATRIX SPIKE SAMPLE: 144623

Parameter	Units	3521739067 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	12.5U	500	511	100	90-110	

SAMPLE DUPLICATE: 144622

Parameter	Units	3521739067 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	12.5U	15.0 I		20	

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QUALITY CONTROL DATA

Project: SW-12 Background
Pace Project No.: 3521810

QC Batch: WETA/7267
QC Batch Method: SM 5310B
Analysis Method: SM 5310B
Analysis Description: 5310B TOC
Associated Lab Samples: 3521810001

METHOD BLANK: 140471 Matrix: Water
Associated Lab Samples: 3521810001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50U	1.0	11/12/10 03:12	

LABORATORY CONTROL SAMPLE: 140472

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	20	21.2	106	90-110	

MATRIX SPIKE SAMPLE: 140474

Parameter	Units	3521769003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	0.50U	20	22.5	111	80-120	

SAMPLE DUPLICATE: 140473

Parameter	Units	3521769003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	0.50U	0.50U		20	

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QUALIFIERS

Project: SW-12 Background
Pace Project No.: 3521810

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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.

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LABORATORIES

PASI-G	Pace Analytical Services - Green Bay
PASI-O	Pace Analytical Services - Ormond Beach
PASI-T	Pace Analytical Services - Tampa

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
1p	Sample diluted due to matrix interference.
2p	Sample required a dilution due to matrix interference, which resulted in elevated reporting limits for the target compound(s).
3p	Sample was received with headspace.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SW-12 Background
Pace Project No.: 3521810

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3521810001	SW-12 Background	EPA 1631E	CVFS/2274	EPA 1631E	CVFS/2275
3521810001	SW-12 Background	EPA 8011	OEXT/3529	EPA 8011	GCSV/2708
3521810001	SW-12 Background	EPA 3010	MPRP/3578	EPA 6010	ICP/2680
3521810001	SW-12 Background	EPA 3010	MPRP/3577	EPA 6020	ICPM/1858
3521810001	SW-12 Background	SM 9222D	MBIO/4025	SM 9222D	MBIO/4026
3521810001	SW-12 Background	EPA 8260	MSV/2377		
3521810001	SW-12 Background	SM 2540C	TAMP/1961		
3521810001	SW-12 Background	SM 2540D	WET/6087		
3521810001	SW-12 Background	EPA 350.1	WET/6245		
3521810001	SW-12 Background	SM 5210B	WET/6080	SM 5210B	WET/6147
3521810001	SW-12 Background	SM10200	WET/6093	SM10200	WET/6180
3521810001	SW-12 Background	TKN+NOx Calculation	WET/6172		
3521810001	SW-12 Background	EPA 300.0	WETA/7248		
3521810001	SW-12 Background	EPA 350.1	WETA/7283		
3521810001	SW-12 Background	EPA 351.2	WETA/7309	EPA 351.2	WETA/7349
3521810001	SW-12 Background	EPA 353.2	WETA/7335		
3521810001	SW-12 Background	EPA 365.4	WETA/7310	EPA 365.4	WETA/7350
3521810001	SW-12 Background	EPA 410.4	WETA/7451		
3521810001	SW-12 Background	SM 5310B	WETA/7267		

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December 03, 2010

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

RE: Project: Exterior, Interior
Pace Project No.: 3521811

Dear Ms. Stirk:
Enclosed are the analytical results for sample(s) received by the laboratory on November 09, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Jeff Baylor

Jeff Baylor

jeff.baylor@pacelabs.com
Project Manager

Enclosures

cc: Ms. Lynne McDaniel, HDR Engineering, Inc.
Mr. Matthew Moore, SCS Engineers

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CERTIFICATIONS

Project: Exterior, Interior
Pace Project No.: 3521811

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH 0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: LA090012
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL1264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
Virginia Certification #: 00432
Wyoming Certification: FL NELAC Reciprocity

Tampa Certification IDs
1209 Tech Boulevard, Ste 207, Tampa FL 33619
Florida Certification #: E84973

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SAMPLE SUMMARY

Project: Exterior, Interior
Pace Project No.: 3521811

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3521811001	**Exterior**	Water	11/09/10 13:50	11/09/10 16:05
3521811002	**Interior**	Water	11/09/10 14:10	11/09/10 16:05

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SAMPLE ANALYTE COUNT

Project: Exterior, Interior
Pace Project No.: 3521811

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3521811001	**Exterior**	EPA 8011	JLR	2	PASI-O
		EPA 8081	AE1	23	PASI-O
		EPA 8082	AE1	9	PASI-O
		EPA 8141	EAO	7	PASI-O
		EPA 8151	LJM	6	PASI-O
		EPA 6010	TAP	17	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8270	EAO	106	PASI-O
		EPA 8260	JBH	62	PASI-O
		SM 2540C	VRW	1	PASI-T
		SM 2320B	AMD	1	PASI-O
		EPA 9034	AMD	1	PASI-O
		EPA 300.0	TLK	1	PASI-O
		EPA 300.0	TLK	1	PASI-O
		EPA 350.1	AMD	1	PASI-O
		EPA 9012	HEM	1	PASI-O
3521811002	**Interior**	EPA 8011	JLR	2	PASI-O
		EPA 8081	AE1	23	PASI-O
		EPA 8082	AE1	9	PASI-O
		EPA 8141	EAO	7	PASI-O
		EPA 8151	LJM	6	PASI-O
		EPA 6010	TAP	17	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	DRS	1	PASI-O
		EPA 8270	EAO	106	PASI-O
		EPA 8260	JBH	62	PASI-O
		SM 2540C	VRW	1	PASI-T
		SM 2320B	AMD	1	PASI-O
		EPA 9034	AMD	1	PASI-O
		EPA 300.0	TLK	1	PASI-O
		EPA 300.0	TLK	1	PASI-O
		EPA 350.1	AMD	1	PASI-O
		EPA 9012	HEM	1	PASI-O

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Date: December 03, 2010

The results for Kepone, a,a-Dimethylphenethylamine, and 1,4-Phenylenediamine on 3521811001 and 002 were reported as a Tentively Indentified Compounds (TIC).
The client requested Total Hardness be added to the report for 3521811001 and 002. A revised report was generated with these results added.

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: **EPA 8011**
Description: 8011 GCS EDB and DBCP
Client: Volusia County Solid Waste Management
Date: December 03, 2010

General Information:
2 samples were analyzed for EPA 8011. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 8011 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: **EPA 8081**
Description: 8081 GCS Pesticides
Client: Volusia County Solid Waste Management
Date: December 03, 2010

General Information:
2 samples were analyzed for EPA 8081. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: EPA 8082
Description: 8082 GCS PCB
Client: Volusia County Solid Waste Management
Date: December 03, 2010

General Information:
2 samples were analyzed for EPA 8082. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: **EPA 8141**
Description: 8141 GCS O/P Pesticides
Client: Volusia County Solid Waste Management
Date: December 03, 2010

General Information:
2 samples were analyzed for EPA 8141. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

QC Batch: OEXT/3517

J(SS): Estimated Value. This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- MS (Lab ID: 140963)
  - Disulfoton
- MSD (Lab ID: 140964)
  - Disulfoton

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: OEXT/3517

J(L0): Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 140962)
  - Dimethoate
  - Disulfoton
  - Famphur
  - Methyl parathion
  - Parathion (Ethyl parathion)
  - Phorate

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: **EPA 8141**
Description: 8141 GCS O/P Pesticides
Client: Volusia County Solid Waste Management
Date: December 03, 2010

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: OEXT/3517

1p: Analyte recovery in the LCS exceeds control limit criteria. Reporting data based on acceptable MS/MSD recovery.
- LCS (Lab ID: 140962)
  - 4-Chloro3nitrobenzotrifluoride

2p: The internal standard response associated with this result exceeds the lower control limit. However, the data is accepted based on surrogate compound recovery meeting control limits.
- LCS (Lab ID: 140962)
  - 4-Chloro3nitrobenzotrifluoride

3p: The internal standard response associated with this result exceeds the upper control limit. However, the data is accepted based on surrogate compound recovery meeting control limits.
- BLANK (Lab ID: 140961)
  - 4-Chloro3nitrobenzotrifluoride
- Exterior (Lab ID: 3521811001)
  - 4-Chloro3nitrobenzotrifluoride
- Interior (Lab ID: 3521811002)
  - 4-Chloro3nitrobenzotrifluoride
- MS (Lab ID: 140963)
  - 4-Chloro3nitrobenzotrifluoride
- MSD (Lab ID: 140964)
  - 4-Chloro3nitrobenzotrifluoride

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: EPA 8151
Description: 8151 Chlorinated Herbicides
Client: Volusia County Solid Waste Management
Date: December 03, 2010

General Information:
2 samples were analyzed for EPA 8151. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 8151 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: **EPA 6010**
Description: 6010 MET ICP
Client: Volusia County Solid Waste Management
Date: December 03, 2010

General Information:
2 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: **EPA 6020**
Description: 6020 MET ICPMS
Client: Volusia County Solid Waste Management
Date: December 03, 2010

General Information:
2 samples were analyzed for EPA 6020. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: **EPA 7470**
Description: 7470 Mercury
Client: Volusia County Solid Waste Management
Date: December 03, 2010

General Information:
2 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MERP/1609

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3521204038,3521739032

J(M1): Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 141844)
  - Mercury

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: EPA 8270
Description: 8270 MSSV SemiVOA App. II
Client: Volusia County Solid Waste Management
Date: December 03, 2010

General Information:
2 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

QC Batch: OEXT/3498

J(SS): Estimated Value. This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- BLANK (Lab ID: 139925)
  - Methapyrilene
- Exterior (Lab ID: 3521811001)
  - Methapyrilene
- Interior (Lab ID: 3521811002)
  - Methapyrilene
- LCS (Lab ID: 139926)
  - Methapyrilene
- MS (Lab ID: 139927)
  - Methapyrilene
- MSD (Lab ID: 139928)
  - Methapyrilene

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/3498

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 139927)
  - Phenol-d6 (S)
- MSD (Lab ID: 139928)
  - Phenol-d6 (S)

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: **EPA 8270**
Description: 8270 MSSV SemiVOA App. II
Client: Volusia County Solid Waste Management
Date: December 03, 2010

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: OEXT/3498

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- Exterior (Lab ID: 3521811001)
  - Phenol
- Interior (Lab ID: 3521811002)
  - Phenol
- MS (Lab ID: 139927)
  - bis(2-Chloroethyl) ether
- MSD (Lab ID: 139928)
  - Phenol

D4: Sample was diluted due to the presence of high levels of target analytes.
- MS (Lab ID: 139927)
  - Phenol

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: EPA 8260
Description: 8260 MSV
Client: Volusia County Solid Waste Management
Date: December 03, 2010

General Information:
2 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: MSV/2383

S3: Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- Exterior (Lab ID: 3521811001)
  - 1,2-Dichloroethane-d4 (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/2383

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3521204036

J(M1): Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 142968)
  - Acetone

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: **SM 2540C**
Description: 2540C Total Diss. Solids Tampa
Client: Volusia County Solid Waste Management
Date: December 03, 2010

General Information:
2 samples were analyzed for SM 2540C. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: **SM 2320B**
Description: 2320B Alkalinity
Client: Volusia County Solid Waste Management
Date: December 03, 2010

General Information:
2 samples were analyzed for SM 2320B. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WET/6085

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3521799001,3521817001

J(M1): Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 140329)
  - Alkalinity, Total as CaCO3

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: EPA 9034
Description: 9034 Sulfide Water
Client: Volusia County Solid Waste Management
Date: December 03, 2010

General Information:
2 samples were analyzed for EPA 9034. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: **EPA 300.0**
Description: 300.0 IC Anions
Client: Volusia County Solid Waste Management
Date: December 03, 2010

General Information:
2 samples were analyzed for EPA 300.0. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/7248

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3520442025,3521836001

J(M1): Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 140054)
  - Nitrate as N
- MSD (Lab ID: 140055)
  - Nitrate as N

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: **EPA 300.0**
Description: 300.0 IC Anions 28 Days
Client: Volusia County Solid Waste Management
Date: December 03, 2010

General Information:
2 samples were analyzed for EPA 300.0. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/7269

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3520442025,3521204036

J(M1): Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 140526)
  - Chloride
- MSD (Lab ID: 140527)
  - Chloride

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: **EPA 350.1**
Description: 350.1 Ammonia
Client: Volusia County Solid Waste Management
Date: December 03, 2010

General Information:
2 samples were analyzed for EPA 350.1. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Exterior, Interior
Pace Project No.: 3521811

Method: **EPA 9012**
Description: 9012 Cyanide, Total
Client: Volusia County Solid Waste Management
Date: December 03, 2010

General Information:
2 samples were analyzed for EPA 9012. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 9012 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Exterior, Interior
Pace Project No.: 3521811

Sample: Exterior **Lab ID: 3521811001** Collected: 11/09/10 13:50 Received: 11/09/10 16:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0048U**	ug/L	0.020	0.0048	1	11/16/10 14:00	11/17/10 05:14	96-12-8	
1,2-Dibromoethane (EDB)	**0.0061U**	ug/L	0.0099	0.0061	1	11/16/10 14:00	11/17/10 05:14	106-93-4	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**0.00048U**	ug/L	0.0096	0.00048	1	11/11/10 12:22	11/20/10 07:34	309-00-2	
alpha-BHC	**0.00029U**	ug/L	0.0096	0.00029	1	11/11/10 12:22	11/20/10 07:34	319-84-6	
beta-BHC	**0.00048U**	ug/L	0.0096	0.00048	1	11/11/10 12:22	11/20/10 07:34	319-85-7	
delta-BHC	**0.00039U**	ug/L	0.0096	0.00039	1	11/11/10 12:22	11/20/10 07:34	319-86-8	
gamma-BHC (Lindane)	**0.00019U**	ug/L	0.0096	0.00019	1	11/11/10 12:22	11/20/10 07:34	58-89-9	
Chlordane (Technical)	**0.077U**	ug/L	0.48	0.077	1	11/11/10 12:22	11/20/10 07:34	57-74-9	
Chlorobenzilate	**0.020U**	ug/L	0.096	0.020	1	11/11/10 12:22	11/20/10 07:34	510-15-6	
4,4'-DDD	**0.0018U**	ug/L	0.0096	0.0018	1	11/11/10 12:22	11/20/10 07:34	72-54-8	
4,4'-DDE	**0.00087U**	ug/L	0.0096	0.00087	1	11/11/10 12:22	11/20/10 07:34	72-55-9	
4,4'-DDT	**0.0035U**	ug/L	0.0096	0.0035	1	11/11/10 12:22	11/20/10 07:34	50-29-3	
Dieldrin	**0.00048U**	ug/L	0.0096	0.00048	1	11/11/10 12:22	11/20/10 07:34	60-57-1	
Endosulfan I	**0.00067U**	ug/L	0.0096	0.00067	1	11/11/10 12:22	11/20/10 07:34	959-98-8	
Endosulfan II	**0.00067U**	ug/L	0.0096	0.00067	1	11/11/10 12:22	11/20/10 07:34	33213-65-9	
Endosulfan sulfate	**0.00058U**	ug/L	0.0096	0.00058	1	11/11/10 12:22	11/20/10 07:34	1031-07-8	
Endrin	**0.0016U**	ug/L	0.0096	0.0016	1	11/11/10 12:22	11/20/10 07:34	72-20-8	
Endrin aldehyde	**0.0068U**	ug/L	0.0096	0.0068	1	11/11/10 12:22	11/20/10 07:34	7421-93-4	
Heptachlor	**0.0014U**	ug/L	0.0096	0.0014	1	11/11/10 12:22	11/20/10 07:34	76-44-8	
Heptachlor epoxide	**0.00039U**	ug/L	0.0096	0.00039	1	11/11/10 12:22	11/20/10 07:34	1024-57-3	
Methoxychlor	**0.0067U**	ug/L	0.0096	0.0067	1	11/11/10 12:22	11/20/10 07:34	72-43-5	
Pentachloronitrobenzene	**0.014U**	ug/L	0.096	0.014	1	11/11/10 12:22	11/20/10 07:34	82-68-8	
Toxaphene	**0.27U**	ug/L	0.48	0.27	1	11/11/10 12:22	11/20/10 07:34	8001-35-2	
Tetrachloro-m-xylene (S)	82	%	66.5-120.3		1	11/11/10 12:22	11/20/10 07:34	877-09-8	
Decachlorobiphenyl (S)	78	%	41.7-109.1		1	11/11/10 12:22	11/20/10 07:34	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	**0.077U**	ug/L	0.48	0.077	1	11/11/10 12:23	11/20/10 07:34	12674-11-2	
PCB-1221 (Aroclor 1221)	**0.078U**	ug/L	0.48	0.078	1	11/11/10 12:23	11/20/10 07:34	11104-28-2	
PCB-1232 (Aroclor 1232)	**0.11U**	ug/L	0.48	0.11	1	11/11/10 12:23	11/20/10 07:34	11141-16-5	
PCB-1242 (Aroclor 1242)	**0.12U**	ug/L	0.48	0.12	1	11/11/10 12:23	11/20/10 07:34	53469-21-9	
PCB-1248 (Aroclor 1248)	**0.26U**	ug/L	0.48	0.26	1	11/11/10 12:23	11/20/10 07:34	12672-29-6	
PCB-1254 (Aroclor 1254)	**0.14U**	ug/L	0.48	0.14	1	11/11/10 12:23	11/20/10 07:34	11097-69-1	
PCB-1260 (Aroclor 1260)	**0.11U**	ug/L	0.48	0.11	1	11/11/10 12:23	11/20/10 07:34	11096-82-5	
Tetrachloro-m-xylene (S)	80	%	48-111		1	11/11/10 12:23	11/20/10 07:34	877-09-8	
Decachlorobiphenyl (S)	74	%	63-121		1	11/11/10 12:23	11/20/10 07:34	2051-24-3	
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Dimethoate	**0.18U**	ug/L	0.48	0.18	1	11/12/10 10:47	11/30/10 02:10	60-51-5	L3
Disulfoton	**0.15U**	ug/L	0.48	0.15	1	11/12/10 10:47	11/30/10 02:10	298-04-4	L3
Famphur	**0.14U**	ug/L	0.48	0.14	1	11/12/10 10:47	11/30/10 02:10	52-85-7	L3
Methyl parathion	**0.19U**	ug/L	0.48	0.19	1	11/12/10 10:47	11/30/10 02:10	298-00-0	L3

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ANALYTICAL RESULTS

Project: Exterior, Interior
Pace Project No.: 3521811

Sample: Exterior **Lab ID: 3521811001** Collected: 11/09/10 13:50 Received: 11/09/10 16:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Parathion (Ethyl parathion)	**0.34U**	ug/L	0.96	0.34	1	11/12/10 10:47	11/30/10 02:10	56-38-2	L3
Phorate	**0.35U**	ug/L	0.96	0.35	1	11/12/10 10:47	11/30/10 02:10	298-02-2	L3
4-Chloro3nitrobenzotrifluoride	81	%	34.2-122		1	11/12/10 10:47	11/30/10 02:10		3p
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**0.21U**	ug/L	0.89	0.21	1	11/10/10 17:00	11/12/10 18:24	94-75-7	
Dinoseb	**0.054U**	ug/L	0.18	0.054	1	11/10/10 17:00	11/12/10 18:24	88-85-7	
Pentachlorophenol	**0.016U**	ug/L	0.027	0.016	1	11/10/10 17:00	11/12/10 18:24	87-86-5	
2,4,5-T	**0.040U**	ug/L	0.18	0.040	1	11/10/10 17:00	11/12/10 18:24	93-76-5	
2,4,5-TP (Silvex)	**0.047U**	ug/L	0.18	0.047	1	11/10/10 17:00	11/12/10 18:24	93-72-1	
2,4-DCPA (S)	122	%	65.5-125.7		1	11/10/10 17:00	11/12/10 18:24	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	11/15/10 07:20	11/16/10 17:17	7440-38-2	
Barium	**36.4**	ug/L	10.0	5.0	1	11/15/10 07:20	11/16/10 17:17	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	11/15/10 07:20	11/16/10 17:17	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	11/15/10 07:20	11/16/10 17:17	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	11/15/10 07:20	11/16/10 17:17	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	11/15/10 07:20	11/16/10 17:17	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	11/15/10 07:20	11/16/10 17:17	7440-50-8	
Iron	**87.7**	ug/L	40.0	20.0	1	11/15/10 07:20	11/16/10 17:17	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	11/15/10 07:20	11/16/10 17:17	7439-92-1	
Nickel	**4.2 I**	ug/L	5.0	2.5	1	11/15/10 07:20	11/16/10 17:17	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	11/15/10 07:20	11/16/10 17:17	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	11/15/10 07:20	11/16/10 17:17	7440-22-4	
Sodium	**58.6**	mg/L	1.0	0.50	1	11/15/10 07:20	11/16/10 17:17	7440-23-5	
Tin	**25.0U**	ug/L	50.0	25.0	1	11/15/10 07:20	11/16/10 17:17	7440-31-5	
Tot Hardness asCaCO3 (SM 2340B	**182000**	ug/L	3210	1600	1	11/15/10 07:20	11/16/10 17:17		
Vanadium	**5.0U**	ug/L	10.0	5.0	1	11/15/10 07:20	11/16/10 17:17	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	11/15/10 07:20	11/16/10 17:17	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.88 I**	ug/L	1.0	0.50	1	11/15/10 07:20	11/17/10 13:54	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	11/15/10 07:20	11/17/10 13:54	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	11/16/10 13:15	11/19/10 11:45	7439-97-6	
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**8.2U**	ug/L	47.6	8.2	10	11/10/10 17:35	11/19/10 09:38	83-32-9	
Acenaphthylene	**9.0U**	ug/L	47.6	9.0	10	11/10/10 17:35	11/19/10 09:38	208-96-8	
Acetophenone	**13.8U**	ug/L	47.6	13.8	10	11/10/10 17:35	11/19/10 09:38	98-86-2	
2-Acetylaminofluorene	**6.2U**	ug/L	47.6	6.2	10	11/10/10 17:35	11/19/10 09:38	53-96-3	
4-Aminobiphenyl	**26.9U**	ug/L	47.6	26.9	10	11/10/10 17:35	11/19/10 09:38	92-67-1	

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ANALYTICAL RESULTS

Project: Exterior, Interior
Pace Project No.: 3521811

Sample: Exterior **Lab ID: 3521811001** Collected: 11/09/10 13:50 Received: 11/09/10 16:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Anthracene	**5.7U**	ug/L	47.6	5.7	10	11/10/10 17:35	11/19/10 09:38	120-12-7	
Benzo(a)anthracene	**6.0U**	ug/L	47.6	6.0	10	11/10/10 17:35	11/19/10 09:38	56-55-3	
Benzo(a)pyrene	**5.5U**	ug/L	9.5	5.5	10	11/10/10 17:35	11/19/10 09:38	50-32-8	
Benzo(b)fluoranthene	**5.9U**	ug/L	19.0	5.9	10	11/10/10 17:35	11/19/10 09:38	205-99-2	
Benzo(g,h,i)perylene	**6.5U**	ug/L	47.6	6.5	10	11/10/10 17:35	11/19/10 09:38	191-24-2	
Benzo(k)fluoranthene	**4.9U**	ug/L	38.1	4.9	10	11/10/10 17:35	11/19/10 09:38	207-08-9	
Benzyl alcohol	**9.7U**	ug/L	47.6	9.7	10	11/10/10 17:35	11/19/10 09:38	100-51-6	
4-Bromophenylphenyl ether	**6.4U**	ug/L	47.6	6.4	10	11/10/10 17:35	11/19/10 09:38	101-55-3	
Butylbenzylphthalate	**6.9U**	ug/L	47.6	6.9	10	11/10/10 17:35	11/19/10 09:38	85-68-7	
4-Chloro-3-methylphenol	**5.9U**	ug/L	190	5.9	10	11/10/10 17:35	11/19/10 09:38	59-50-7	
4-Chloroaniline	**11.5U**	ug/L	47.6	11.5	10	11/10/10 17:35	11/19/10 09:38	106-47-8	
bis(2-Chloroethoxy)methane	**28.1U**	ug/L	47.6	28.1	10	11/10/10 17:35	11/19/10 09:38	111-91-1	
bis(2-Chloroethyl) ether	**7.1U**	ug/L	38.1	7.1	10	11/10/10 17:35	11/19/10 09:38	111-44-4	
bis(2-Chloroisopropyl) ether	**6.9U**	ug/L	47.6	6.9	10	11/10/10 17:35	11/19/10 09:38	108-60-1	
2-Chloronaphthalene	**7.6U**	ug/L	47.6	7.6	10	11/10/10 17:35	11/19/10 09:38	91-58-7	
2-Chlorophenol	**6.5U**	ug/L	47.6	6.5	10	11/10/10 17:35	11/19/10 09:38	95-57-8	
4-Chlorophenylphenyl ether	**6.0U**	ug/L	47.6	6.0	10	11/10/10 17:35	11/19/10 09:38	7005-72-3	
Chrysene	**3.5U**	ug/L	47.6	3.5	10	11/10/10 17:35	11/19/10 09:38	218-01-9	
Diallate	**6.9U**	ug/L	47.6	6.9	10	11/10/10 17:35	11/19/10 09:38	2303-16-4	
Dibenz(a,h)anthracene	**6.2U**	ug/L	19.0	6.2	10	11/10/10 17:35	11/19/10 09:38	53-70-3	
Dibenzofuran	**6.4U**	ug/L	47.6	6.4	10	11/10/10 17:35	11/19/10 09:38	132-64-9	
1,2-Dichlorobenzene	**6.5U**	ug/L	47.6	6.5	10	11/10/10 17:35	11/19/10 09:38	95-50-1	
1,3-Dichlorobenzene	**7.2U**	ug/L	47.6	7.2	10	11/10/10 17:35	11/19/10 09:38	541-73-1	
1,4-Dichlorobenzene	**7.3U**	ug/L	47.6	7.3	10	11/10/10 17:35	11/19/10 09:38	106-46-7	
3,3'-Dichlorobenzidine	**6.6U**	ug/L	95.2	6.6	10	11/10/10 17:35	11/19/10 09:38	91-94-1	
2,4-Dichlorophenol	**5.3U**	ug/L	19.0	5.3	10	11/10/10 17:35	11/19/10 09:38	120-83-2	
2,6-Dichlorophenol	**5.9U**	ug/L	38.1	5.9	10	11/10/10 17:35	11/19/10 09:38	87-65-0	
Diethylphthalate	**4.9U**	ug/L	47.6	4.9	10	11/10/10 17:35	11/19/10 09:38	84-66-2	
P-Dimethylaminoazobenzene	**6.4U**	ug/L	47.6	6.4	10	11/10/10 17:35	11/19/10 09:38	60-11-7	
7,12-Dimethylbenz(a)anthracene	**18.6U**	ug/L	47.6	18.6	10	11/10/10 17:35	11/19/10 09:38	57-97-6	
3,3'-Dimethylbenzidine	**29.8U**	ug/L	95.2	29.8	10	11/10/10 17:35	11/19/10 09:38	119-93-7	
2,4-Dimethylphenol	**15.0U**	ug/L	47.6	15.0	10	11/10/10 17:35	11/19/10 09:38	105-67-9	
a,a-Dimethylphenylethylamine	**10.0U**	ug/L	20.0	10.0	10	11/10/10 17:35	11/19/10 09:38	122-09-8	
Dimethylphthalate	**6.1U**	ug/L	47.6	6.1	10	11/10/10 17:35	11/19/10 09:38	131-11-3	
Di-n-butylphthalate	**3.9U**	ug/L	47.6	3.9	10	11/10/10 17:35	11/19/10 09:38	84-74-2	
4,6-Dinitro-2-methylphenol	**12.6U**	ug/L	190	12.6	10	11/10/10 17:35	11/19/10 09:38	534-52-1	
1,3-Dinitrobenzene	**6.5U**	ug/L	76.1	6.5	10	11/10/10 17:35	11/19/10 09:38	99-65-0	
2,4-Dinitrophenol	**14.9U**	ug/L	190	14.9	10	11/10/10 17:35	11/19/10 09:38	51-28-5	
2,4-Dinitrotoluene	**5.0U**	ug/L	19.0	5.0	10	11/10/10 17:35	11/19/10 09:38	121-14-2	
2,6-Dinitrotoluene	**11.6U**	ug/L	19.0	11.6	10	11/10/10 17:35	11/19/10 09:38	606-20-2	
Di-n-octylphthalate	**8.6U**	ug/L	47.6	8.6	10	11/10/10 17:35	11/19/10 09:38	117-84-0	
bis(2-Ethylhexyl)phthalate	**7.6U**	ug/L	47.6	7.6	10	11/10/10 17:35	11/19/10 09:38	117-81-7	
Ethyl methanesulfonate	**8.6U**	ug/L	47.6	8.6	10	11/10/10 17:35	11/19/10 09:38	62-50-0	
Fluoranthene	**5.1U**	ug/L	47.6	5.1	10	11/10/10 17:35	11/19/10 09:38	206-44-0	
Fluorene	**5.3U**	ug/L	47.6	5.3	10	11/10/10 17:35	11/19/10 09:38	86-73-7	
Hexachlorobenzene	**7.6U**	ug/L	9.5	7.6	10	11/10/10 17:35	11/19/10 09:38	118-74-1	

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ANALYTICAL RESULTS

Project: Exterior, Interior
Pace Project No.: 3521811

Sample: Exterior **Lab ID: 3521811001** Collected: 11/09/10 13:50 Received: 11/09/10 16:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Hexachlorocyclopentadiene	**12.2U**	ug/L	47.6	12.2	10	11/10/10 17:35	11/19/10 09:38	77-47-4	
Hexachloroethane	**6.8U**	ug/L	47.6	6.8	10	11/10/10 17:35	11/19/10 09:38	67-72-1	
Hexachloropropene	**13.4U**	ug/L	47.6	13.4	10	11/10/10 17:35	11/19/10 09:38	1888-71-7	
Indeno(1,2,3-cd)pyrene	**6.9U**	ug/L	19.0	6.9	10	11/10/10 17:35	11/19/10 09:38	193-39-5	
Isodrin	**5.1U**	ug/L	47.6	5.1	10	11/10/10 17:35	11/19/10 09:38	465-73-6	
Isophorone	**6.9U**	ug/L	47.6	6.9	10	11/10/10 17:35	11/19/10 09:38	78-59-1	
Isosafrole	**5.7U**	ug/L	47.6	5.7	10	11/10/10 17:35	11/19/10 09:38	120-58-1	
Kepone	**10.0U**	ug/L	20.0	10.0	10	11/10/10 17:35	11/19/10 09:38	143-50-0	
Methapyrilene	**15.7U**	ug/L	47.6	15.7	10	11/10/10 17:35	11/19/10 09:38	91-80-5	J(SS)
3-Methylcholanthrene	**9.9U**	ug/L	47.6	9.9	10	11/10/10 17:35	11/19/10 09:38	56-49-5	
Methyl methanesulfonate	**9.5U**	ug/L	47.6	9.5	10	11/10/10 17:35	11/19/10 09:38	66-27-3	
2-Methylnaphthalene	**9.4U**	ug/L	47.6	9.4	10	11/10/10 17:35	11/19/10 09:38	91-57-6	
2-Methylphenol(o-Cresol)	**6.9U**	ug/L	47.6	6.9	10	11/10/10 17:35	11/19/10 09:38	95-48-7	
3&4-Methylphenol(m&p Cresol)	**6.3U**	ug/L	95.2	6.3	10	11/10/10 17:35	11/19/10 09:38		
2-Naphthylamine	**21.6U**	ug/L	47.6	21.6	10	11/10/10 17:35	11/19/10 09:38	91-59-8	
Naphthalene	**7.4U**	ug/L	47.6	7.4	10	11/10/10 17:35	11/19/10 09:38	91-20-3	
1-Naphthylamine	**9.8U**	ug/L	47.6	9.8	10	11/10/10 17:35	11/19/10 09:38	134-32-7	
1,4-Naphthoquinone	**11.2U**	ug/L	47.6	11.2	10	11/10/10 17:35	11/19/10 09:38	130-15-4	
2-Nitroaniline	**5.7U**	ug/L	47.6	5.7	10	11/10/10 17:35	11/19/10 09:38	88-74-4	
3-Nitroaniline	**9.4U**	ug/L	47.6	9.4	10	11/10/10 17:35	11/19/10 09:38	99-09-2	
4-Nitroaniline	**6.6U**	ug/L	38.1	6.6	10	11/10/10 17:35	11/19/10 09:38	100-01-6	
Nitrobenzene	**10.4U**	ug/L	38.1	10.4	10	11/10/10 17:35	11/19/10 09:38	98-95-3	
2-Nitrophenol	**7.7U**	ug/L	47.6	7.7	10	11/10/10 17:35	11/19/10 09:38	88-75-5	
4-Nitrophenol	**10.3U**	ug/L	190	10.3	10	11/10/10 17:35	11/19/10 09:38	100-02-7	
5-Nitro-o-toluidine	**12.3U**	ug/L	47.6	12.3	10	11/10/10 17:35	11/19/10 09:38	99-55-8	
N-Nitrosodiethylamine	**6.9U**	ug/L	38.1	6.9	10	11/10/10 17:35	11/19/10 09:38	55-18-5	
N-Nitrosodimethylamine	**9.2U**	ug/L	19.0	9.2	10	11/10/10 17:35	11/19/10 09:38	62-75-9	
N-Nitroso-di-n-butylamine	**5.2U**	ug/L	38.1	5.2	10	11/10/10 17:35	11/19/10 09:38	924-16-3	
N-Nitroso-di-n-propylamine	**8.9U**	ug/L	38.1	8.9	10	11/10/10 17:35	11/19/10 09:38	621-64-7	
N-Nitrosodiphenylamine	**4.8U**	ug/L	47.6	4.8	10	11/10/10 17:35	11/19/10 09:38	86-30-6	
N-Nitrosomethylethylamine	**7.0U**	ug/L	47.6	7.0	10	11/10/10 17:35	11/19/10 09:38	10595-95-6	
N-Nitrosopiperidine	**6.1U**	ug/L	47.6	6.1	10	11/10/10 17:35	11/19/10 09:38	100-75-4	
N-Nitrosopyrrolidine	**8.4U**	ug/L	47.6	8.4	10	11/10/10 17:35	11/19/10 09:38	930-55-2	
O,O,O-Triethylphosphorothioate	**6.6U**	ug/L	47.6	6.6	10	11/10/10 17:35	11/19/10 09:38	126-68-1	
Pentachlorobenzene	**7.4U**	ug/L	47.6	7.4	10	11/10/10 17:35	11/19/10 09:38	608-93-5	
Phenacetin	**5.0U**	ug/L	47.6	5.0	10	11/10/10 17:35	11/19/10 09:38	62-44-2	
Phenanthrene	**4.9U**	ug/L	47.6	4.9	10	11/10/10 17:35	11/19/10 09:38	85-01-8	
Phenol	**5.1U**	ug/L	47.6	5.1	10	11/10/10 17:35	11/19/10 09:38	108-95-2	D3
p-Phenylenediamine	**10.0U**	ug/L	20.0	10.0	10	11/10/10 17:35	11/19/10 09:38	106-50-3	
Pronamide	**10.8U**	ug/L	47.6	10.8	10	11/10/10 17:35	11/19/10 09:38	23950-58-5	
Pyrene	**6.5U**	ug/L	47.6	6.5	10	11/10/10 17:35	11/19/10 09:38	129-00-0	
Safrole	**8.1U**	ug/L	47.6	8.1	10	11/10/10 17:35	11/19/10 09:38	94-59-7	
1,2,4,5-Tetrachlorobenzene	**6.7U**	ug/L	47.6	6.7	10	11/10/10 17:35	11/19/10 09:38	95-94-3	
2,3,4,6-Tetrachlorophenol	**36.6U**	ug/L	47.6	36.6	10	11/10/10 17:35	11/19/10 09:38	58-90-2	
Thionazin	**5.8U**	ug/L	47.6	5.8	10	11/10/10 17:35	11/19/10 09:38	297-97-2	
O-Toluidine	**10.2U**	ug/L	47.6	10.2	10	11/10/10 17:35	11/19/10 09:38	95-53-4	

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ANALYTICAL RESULTS

Project: Exterior, Interior
Pace Project No.: 3521811

Sample: Exterior **Lab ID: 3521811001** Collected: 11/09/10 13:50 Received: 11/09/10 16:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
2,4,5-Trichlorophenol	**4.9U**	ug/L	38.1	4.9	10	11/10/10 17:35	11/19/10 09:38	95-95-4	
2,4,6-Trichlorophenol	**6.6U**	ug/L	19.0	6.6	10	11/10/10 17:35	11/19/10 09:38	88-06-2	
1,3,5-Trinitrobenzene	**11.6U**	ug/L	47.6	11.6	10	11/10/10 17:35	11/19/10 09:38	99-35-4	
Nitrobenzene-d5 (S)	64	%	10-110		10	11/10/10 17:35	11/19/10 09:38	4165-60-0	
2-Fluorobiphenyl (S)	83	%	18-110		10	11/10/10 17:35	11/19/10 09:38	321-60-8	
Terphenyl-d14 (S)	92	%	10-123		10	11/10/10 17:35	11/19/10 09:38	1718-51-0	
Phenol-d6 (S)	28	%	10-110		10	11/10/10 17:35	11/19/10 09:38	13127-88-3	
2-Fluorophenol (S)	42	%	18-110		10	11/10/10 17:35	11/19/10 09:38	367-12-4	
2,4,6-Tribromophenol (S)	79	%	10-110		10	11/10/10 17:35	11/19/10 09:38	118-79-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:06	67-64-1	
Acetonitrile	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:06	75-05-8	
Acrolein	**10.0U**	ug/L	20.0	10.0	1		11/18/10 06:06	107-02-8	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:06	107-13-1	
Allyl chloride	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	107-05-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		11/18/10 06:06	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:06	78-93-3	
Carbon disulfide	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		11/18/10 06:06	74-87-3	
Chloroprene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	126-99-8	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		11/18/10 06:06	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	74-95-3	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:06	110-57-6	
Dichlorodifluoromethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	75-71-8	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	78-87-5	
1,3-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	142-28-9	
2,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	594-20-7	
1,1-Dichloropropene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	563-58-6	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		11/18/10 06:06	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		11/18/10 06:06	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	100-41-4	
Ethyl methacrylate	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	97-63-2	

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ANALYTICAL RESULTS

Project: Exterior, Interior
Pace Project No.: 3521811

Sample: Exterior **Lab ID: 3521811001** Collected: 11/09/10 13:50 Received: 11/09/10 16:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Hexachloro-1,3-butadiene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	87-68-3	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:06	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	74-88-4	
Isobutyl Alcohol	**10.0U**	ug/L	20.0	10.0	1		11/18/10 06:06	78-83-1	
Methacrylonitrile	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:06	126-98-7	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		11/18/10 06:06	75-09-2	
Methyl methacrylate	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:06	80-62-6	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:06	108-10-1	
Propionitrile	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:06	107-12-0	
Styrene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	630-20-6	
1,1,2,2-Tetrachloroethane	**0.18U**	ug/L	0.50	0.18	1		11/18/10 06:06	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	108-88-3	
1,2,4-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	120-82-1	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		11/18/10 06:06	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		11/18/10 06:06	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:06	1330-20-7	
4-Bromofluorobenzene (S)	89	%	70-114		1		11/18/10 06:06	460-00-4	
Dibromofluoromethane (S)	112	%	88-117		1		11/18/10 06:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	129	%	86-125		1		11/18/10 06:06	17060-07-0	S3
Toluene-d8 (S)	96	%	87-113		1		11/18/10 06:06	2037-26-5	
2540C Total Diss. Solids Tampa	Analytical Method: SM 2540C								
Total Dissolved Solids	**401**	mg/L	5.0	5.0	1		11/15/10 09:50		
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	**176**	mg/L	5.0	5.0	1		11/11/10 08:56		
9034 Sulfide Water	Analytical Method: EPA 9034								
Sulfide	**1.0U**	mg/L	1.0	1.0	1		11/15/10 12:00	18496-25-8	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.13**	mg/L	0.050	0.025	1		11/10/10 21:27	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**76.7**	mg/L	5.0	2.5	1		11/10/10 21:27	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.49**	mg/L	0.050	0.020	1		11/12/10 14:06	7664-41-7	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Exterior, Interior
Pace Project No.: 3521811

Sample: Exterior **Lab ID: 3521811001** Collected: 11/09/10 13:50 Received: 11/09/10 16:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012								
Cyanide	**0.0050U**	mg/L	0.010	0.0050	1	11/16/10 10:00	11/18/10 17:15	57-12-5	

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ANALYTICAL RESULTS

Project: Exterior, Interior
Pace Project No.: 3521811

Sample: Interior **Lab ID: 3521811002** Collected: 11/09/10 14:10 Received: 11/09/10 16:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0048U**	ug/L	0.020	0.0048	1	11/16/10 14:00	11/17/10 05:30	96-12-8	
1,2-Dibromoethane (EDB)	**0.0061U**	ug/L	0.0099	0.0061	1	11/16/10 14:00	11/17/10 05:30	106-93-4	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**0.00048U**	ug/L	0.0095	0.00048	1	11/11/10 12:22	11/20/10 08:25	309-00-2	
alpha-BHC	**0.00029U**	ug/L	0.0095	0.00029	1	11/11/10 12:22	11/20/10 08:25	319-84-6	
beta-BHC	**0.00048U**	ug/L	0.0095	0.00048	1	11/11/10 12:22	11/20/10 08:25	319-85-7	
delta-BHC	**0.00038U**	ug/L	0.0095	0.00038	1	11/11/10 12:22	11/20/10 08:25	319-86-8	
gamma-BHC (Lindane)	**0.00019U**	ug/L	0.0095	0.00019	1	11/11/10 12:22	11/20/10 08:25	58-89-9	
Chlordane (Technical)	**0.076U**	ug/L	0.48	0.076	1	11/11/10 12:22	11/20/10 08:25	57-74-9	
Chlorobenzilate	**0.020U**	ug/L	0.095	0.020	1	11/11/10 12:22	11/20/10 08:25	510-15-6	
4,4'-DDD	**0.0018U**	ug/L	0.0095	0.0018	1	11/11/10 12:22	11/20/10 08:25	72-54-8	
4,4'-DDE	**0.00086U**	ug/L	0.0095	0.00086	1	11/11/10 12:22	11/20/10 08:25	72-55-9	
4,4'-DDT	**0.0034U**	ug/L	0.0095	0.0034	1	11/11/10 12:22	11/20/10 08:25	50-29-3	
Dieldrin	**0.00048U**	ug/L	0.0095	0.00048	1	11/11/10 12:22	11/20/10 08:25	60-57-1	
Endosulfan I	**0.00067U**	ug/L	0.0095	0.00067	1	11/11/10 12:22	11/20/10 08:25	959-98-8	
Endosulfan II	**0.00067U**	ug/L	0.0095	0.00067	1	11/11/10 12:22	11/20/10 08:25	33213-65-9	
Endosulfan sulfate	**0.00057U**	ug/L	0.0095	0.00057	1	11/11/10 12:22	11/20/10 08:25	1031-07-8	
Endrin	**0.0016U**	ug/L	0.0095	0.0016	1	11/11/10 12:22	11/20/10 08:25	72-20-8	
Endrin aldehyde	**0.0068U**	ug/L	0.0095	0.0068	1	11/11/10 12:22	11/20/10 08:25	7421-93-4	
Heptachlor	**0.0014U**	ug/L	0.0095	0.0014	1	11/11/10 12:22	11/20/10 08:25	76-44-8	
Heptachlor epoxide	**0.00038U**	ug/L	0.0095	0.00038	1	11/11/10 12:22	11/20/10 08:25	1024-57-3	
Methoxychlor	**0.0067U**	ug/L	0.0095	0.0067	1	11/11/10 12:22	11/20/10 08:25	72-43-5	
Pentachloronitrobenzene	**0.014U**	ug/L	0.095	0.014	1	11/11/10 12:22	11/20/10 08:25	82-68-8	
Toxaphene	**0.27U**	ug/L	0.48	0.27	1	11/11/10 12:22	11/20/10 08:25	8001-35-2	
Tetrachloro-m-xylene (S)	79	%	66.5-120.3		1	11/11/10 12:22	11/20/10 08:25	877-09-8	
Decachlorobiphenyl (S)	69	%	41.7-109.1		1	11/11/10 12:22	11/20/10 08:25	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	**0.076U**	ug/L	0.48	0.076	1	11/11/10 12:23	11/20/10 08:25	12674-11-2	
PCB-1221 (Aroclor 1221)	**0.077U**	ug/L	0.48	0.077	1	11/11/10 12:23	11/20/10 08:25	11104-28-2	
PCB-1232 (Aroclor 1232)	**0.11U**	ug/L	0.48	0.11	1	11/11/10 12:23	11/20/10 08:25	11141-16-5	
PCB-1242 (Aroclor 1242)	**0.12U**	ug/L	0.48	0.12	1	11/11/10 12:23	11/20/10 08:25	53469-21-9	
PCB-1248 (Aroclor 1248)	**0.26U**	ug/L	0.48	0.26	1	11/11/10 12:23	11/20/10 08:25	12672-29-6	
PCB-1254 (Aroclor 1254)	**0.14U**	ug/L	0.48	0.14	1	11/11/10 12:23	11/20/10 08:25	11097-69-1	
PCB-1260 (Aroclor 1260)	**0.11U**	ug/L	0.48	0.11	1	11/11/10 12:23	11/20/10 08:25	11096-82-5	
Tetrachloro-m-xylene (S)	79	%	48-111		1	11/11/10 12:23	11/20/10 08:25	877-09-8	
Decachlorobiphenyl (S)	63	%	63-121		1	11/11/10 12:23	11/20/10 08:25	2051-24-3	
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Dimethoate	**0.18U**	ug/L	0.48	0.18	1	11/12/10 10:47	11/30/10 21:49	60-51-5	L3
Disulfoton	**0.15U**	ug/L	0.48	0.15	1	11/12/10 10:47	11/30/10 21:49	298-04-4	L3
Famphur	**0.14U**	ug/L	0.48	0.14	1	11/12/10 10:47	11/30/10 21:49	52-85-7	L3
Methyl parathion	**0.19U**	ug/L	0.48	0.19	1	11/12/10 10:47	11/30/10 21:49	298-00-0	L3

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ANALYTICAL RESULTS

Project: Exterior, Interior
Pace Project No.: 3521811

Sample: Interior **Lab ID: 3521811002** Collected: 11/09/10 14:10 Received: 11/09/10 16:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Parathion (Ethyl parathion)	**0.34U**	ug/L	0.96	0.34	1	11/12/10 10:47	11/30/10 21:49	56-38-2	L3
Phorate	**0.36U**	ug/L	0.96	0.36	1	11/12/10 10:47	11/30/10 21:49	298-02-2	L3
4-Chloro3nitrobenzotrifluoride	80	%	34.2-122		1	11/12/10 10:47	11/30/10 21:49		3p
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**0.21U**	ug/L	0.90	0.21	1	11/10/10 17:00	11/12/10 21:30	94-75-7	
Dinoseb	**0.055U**	ug/L	0.18	0.055	1	11/10/10 17:00	11/12/10 21:30	88-85-7	
Pentachlorophenol	**0.016U**	ug/L	0.027	0.016	1	11/10/10 17:00	11/12/10 21:30	87-86-5	
2,4,5-T	**0.040U**	ug/L	0.18	0.040	1	11/10/10 17:00	11/12/10 21:30	93-76-5	
2,4,5-TP (Silvex)	**0.047U**	ug/L	0.18	0.047	1	11/10/10 17:00	11/12/10 21:30	93-72-1	
2,4-DCPA (S)	93	%	65.5-125.7		1	11/10/10 17:00	11/12/10 21:30	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**8.7**	ug/L	10.0	5.0	1	11/15/10 07:20	11/16/10 17:20	7440-38-2	I
Barium	**36.9**	ug/L	10.0	5.0	1	11/15/10 07:20	11/16/10 17:20	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	11/15/10 07:20	11/16/10 17:20	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	11/15/10 07:20	11/16/10 17:20	7440-43-9	
Chromium	**2.5**	ug/L	5.0	2.5	1	11/15/10 07:20	11/16/10 17:20	7440-47-3	I
Cobalt	**5.0U**	ug/L	10.0	5.0	1	11/15/10 07:20	11/16/10 17:20	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	11/15/10 07:20	11/16/10 17:20	7440-50-8	
Iron	**210**	ug/L	40.0	20.0	1	11/15/10 07:20	11/16/10 17:20	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	11/15/10 07:20	11/16/10 17:20	7439-92-1	
Nickel	**5.6**	ug/L	5.0	2.5	1	11/15/10 07:20	11/16/10 17:20	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	11/15/10 07:20	11/16/10 17:20	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	11/15/10 07:20	11/16/10 17:20	7440-22-4	
Sodium	**79.7**	mg/L	1.0	0.50	1	11/15/10 07:20	11/16/10 17:20	7440-23-5	
Tin	**25.0U**	ug/L	50.0	25.0	1	11/15/10 07:20	11/16/10 17:20	7440-31-5	
Tot Hardness asCaCO3 (SM 2340B	**173000**	ug/L	3210	1600	1	11/15/10 07:20	11/16/10 17:20		
Vanadium	**6.7**	ug/L	10.0	5.0	1	11/15/10 07:20	11/16/10 17:20	7440-62-2	I
Zinc	**10.0U**	ug/L	20.0	10.0	1	11/15/10 07:20	11/16/10 17:20	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**1.4**	ug/L	1.0	0.50	1	11/15/10 07:20	11/17/10 13:59	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	11/15/10 07:20	11/17/10 13:59	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	11/16/10 13:15	11/19/10 11:48	7439-97-6	
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**8.8U**	ug/L	51.4	8.8	10	11/10/10 17:35	11/19/10 10:08	83-32-9	
Acenaphthylene	**9.8U**	ug/L	51.4	9.8	10	11/10/10 17:35	11/19/10 10:08	208-96-8	
Acetophenone	**14.9U**	ug/L	51.4	14.9	10	11/10/10 17:35	11/19/10 10:08	98-86-2	
2-Acetylaminofluorene	**6.7U**	ug/L	51.4	6.7	10	11/10/10 17:35	11/19/10 10:08	53-96-3	
4-Aminobiphenyl	**29.1U**	ug/L	51.4	29.1	10	11/10/10 17:35	11/19/10 10:08	92-67-1	

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ANALYTICAL RESULTS

Project: Exterior, Interior
Pace Project No.: 3521811

Sample: Interior **Lab ID: 3521811002** Collected: 11/09/10 14:10 Received: 11/09/10 16:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Anthracene	**6.2U**	ug/L	51.4	6.2	10	11/10/10 17:35	11/19/10 10:08	120-12-7	
Benzo(a)anthracene	**6.5U**	ug/L	51.4	6.5	10	11/10/10 17:35	11/19/10 10:08	56-55-3	
Benzo(a)pyrene	**6.0U**	ug/L	10.3	6.0	10	11/10/10 17:35	11/19/10 10:08	50-32-8	
Benzo(b)fluoranthene	**6.4U**	ug/L	20.6	6.4	10	11/10/10 17:35	11/19/10 10:08	205-99-2	
Benzo(g,h,i)perylene	**7.0U**	ug/L	51.4	7.0	10	11/10/10 17:35	11/19/10 10:08	191-24-2	
Benzo(k)fluoranthene	**5.2U**	ug/L	41.2	5.2	10	11/10/10 17:35	11/19/10 10:08	207-08-9	
Benzyl alcohol	**10.5U**	ug/L	51.4	10.5	10	11/10/10 17:35	11/19/10 10:08	100-51-6	
4-Bromophenylphenyl ether	**6.9U**	ug/L	51.4	6.9	10	11/10/10 17:35	11/19/10 10:08	101-55-3	
Butylbenzylphthalate	**7.4U**	ug/L	51.4	7.4	10	11/10/10 17:35	11/19/10 10:08	85-68-7	
4-Chloro-3-methylphenol	**6.4U**	ug/L	206	6.4	10	11/10/10 17:35	11/19/10 10:08	59-50-7	
4-Chloroaniline	**12.4U**	ug/L	51.4	12.4	10	11/10/10 17:35	11/19/10 10:08	106-47-8	
bis(2-Chloroethoxy)methane	**30.4U**	ug/L	51.4	30.4	10	11/10/10 17:35	11/19/10 10:08	111-91-1	
bis(2-Chloroethyl) ether	**7.7U**	ug/L	41.2	7.7	10	11/10/10 17:35	11/19/10 10:08	111-44-4	
bis(2-Chloroisopropyl) ether	**7.5U**	ug/L	51.4	7.5	10	11/10/10 17:35	11/19/10 10:08	108-60-1	
2-Chloronaphthalene	**8.2U**	ug/L	51.4	8.2	10	11/10/10 17:35	11/19/10 10:08	91-58-7	
2-Chlorophenol	**7.0U**	ug/L	51.4	7.0	10	11/10/10 17:35	11/19/10 10:08	95-57-8	
4-Chlorophenylphenyl ether	**6.5U**	ug/L	51.4	6.5	10	11/10/10 17:35	11/19/10 10:08	7005-72-3	
Chrysene	**3.8U**	ug/L	51.4	3.8	10	11/10/10 17:35	11/19/10 10:08	218-01-9	
Diallate	**7.5U**	ug/L	51.4	7.5	10	11/10/10 17:35	11/19/10 10:08	2303-16-4	
Dibenz(a,h)anthracene	**6.7U**	ug/L	20.6	6.7	10	11/10/10 17:35	11/19/10 10:08	53-70-3	
Dibenzofuran	**6.9U**	ug/L	51.4	6.9	10	11/10/10 17:35	11/19/10 10:08	132-64-9	
1,2-Dichlorobenzene	**7.0U**	ug/L	51.4	7.0	10	11/10/10 17:35	11/19/10 10:08	95-50-1	
1,3-Dichlorobenzene	**7.8U**	ug/L	51.4	7.8	10	11/10/10 17:35	11/19/10 10:08	541-73-1	
1,4-Dichlorobenzene	**7.9U**	ug/L	51.4	7.9	10	11/10/10 17:35	11/19/10 10:08	106-46-7	
3,3'-Dichlorobenzidine	**7.1U**	ug/L	103	7.1	10	11/10/10 17:35	11/19/10 10:08	91-94-1	
2,4-Dichlorophenol	**5.8U**	ug/L	20.6	5.8	10	11/10/10 17:35	11/19/10 10:08	120-83-2	
2,6-Dichlorophenol	**6.4U**	ug/L	41.2	6.4	10	11/10/10 17:35	11/19/10 10:08	87-65-0	
Diethylphthalate	**5.2U**	ug/L	51.4	5.2	10	11/10/10 17:35	11/19/10 10:08	84-66-2	
P-Dimethylaminoazobenzene	**6.9U**	ug/L	51.4	6.9	10	11/10/10 17:35	11/19/10 10:08	60-11-7	
7,12-Dimethylbenz(a)anthracene	**20.1U**	ug/L	51.4	20.1	10	11/10/10 17:35	11/19/10 10:08	57-97-6	
3,3'-Dimethylbenzidine	**32.2U**	ug/L	103	32.2	10	11/10/10 17:35	11/19/10 10:08	119-93-7	
2,4-Dimethylphenol	**16.3U**	ug/L	51.4	16.3	10	11/10/10 17:35	11/19/10 10:08	105-67-9	
a,a-Dimethylphenylethylamine	**10.0U**	ug/L	20.0	10.0	10	11/10/10 17:35	11/19/10 10:08	122-09-8	
Dimethylphthalate	**6.6U**	ug/L	51.4	6.6	10	11/10/10 17:35	11/19/10 10:08	131-11-3	
Di-n-butylphthalate	**4.2U**	ug/L	51.4	4.2	10	11/10/10 17:35	11/19/10 10:08	84-74-2	
4,6-Dinitro-2-methylphenol	**13.6U**	ug/L	206	13.6	10	11/10/10 17:35	11/19/10 10:08	534-52-1	
1,3-Dinitrobenzene	**7.0U**	ug/L	82.3	7.0	10	11/10/10 17:35	11/19/10 10:08	99-65-0	
2,4-Dinitrophenol	**16.2U**	ug/L	206	16.2	10	11/10/10 17:35	11/19/10 10:08	51-28-5	
2,4-Dinitrotoluene	**5.5U**	ug/L	20.6	5.5	10	11/10/10 17:35	11/19/10 10:08	121-14-2	
2,6-Dinitrotoluene	**12.6U**	ug/L	20.6	12.6	10	11/10/10 17:35	11/19/10 10:08	606-20-2	
Di-n-octylphthalate	**9.3U**	ug/L	51.4	9.3	10	11/10/10 17:35	11/19/10 10:08	117-84-0	
bis(2-Ethylhexyl)phthalate	**8.2U**	ug/L	51.4	8.2	10	11/10/10 17:35	11/19/10 10:08	117-81-7	
Ethyl methanesulfonate	**9.3U**	ug/L	51.4	9.3	10	11/10/10 17:35	11/19/10 10:08	62-50-0	
Fluoranthene	**5.6U**	ug/L	51.4	5.6	10	11/10/10 17:35	11/19/10 10:08	206-44-0	
Fluorene	**5.8U**	ug/L	51.4	5.8	10	11/10/10 17:35	11/19/10 10:08	86-73-7	
Hexachlorobenzene	**8.2U**	ug/L	10.3	8.2	10	11/10/10 17:35	11/19/10 10:08	118-74-1	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Exterior, Interior
Pace Project No.: 3521811

Sample: Interior **Lab ID: 3521811002** Collected: 11/09/10 14:10 Received: 11/09/10 16:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Hexachlorocyclopentadiene	**13.2U**	ug/L	51.4	13.2	10	11/10/10 17:35	11/19/10 10:08	77-47-4	
Hexachloroethane	**7.3U**	ug/L	51.4	7.3	10	11/10/10 17:35	11/19/10 10:08	67-72-1	
Hexachloropropene	**14.5U**	ug/L	51.4	14.5	10	11/10/10 17:35	11/19/10 10:08	1888-71-7	
Indeno(1,2,3-cd)pyrene	**7.5U**	ug/L	20.6	7.5	10	11/10/10 17:35	11/19/10 10:08	193-39-5	
Isodrin	**5.6U**	ug/L	51.4	5.6	10	11/10/10 17:35	11/19/10 10:08	465-73-6	
Isophorone	**7.5U**	ug/L	51.4	7.5	10	11/10/10 17:35	11/19/10 10:08	78-59-1	
Isosafrole	**6.2U**	ug/L	51.4	6.2	10	11/10/10 17:35	11/19/10 10:08	120-58-1	
Kepone	**10.0U**	ug/L	20.0	10.0	10	11/10/10 17:35	11/19/10 10:08	143-50-0	
Methapyrilene	**17.0U**	ug/L	51.4	17.0	10	11/10/10 17:35	11/19/10 10:08	91-80-5	J(SS)
3-Methylcholanthrene	**10.7U**	ug/L	51.4	10.7	10	11/10/10 17:35	11/19/10 10:08	56-49-5	
Methyl methanesulfonate	**10.3U**	ug/L	51.4	10.3	10	11/10/10 17:35	11/19/10 10:08	66-27-3	
2-Methylnaphthalene	**10.2U**	ug/L	51.4	10.2	10	11/10/10 17:35	11/19/10 10:08	91-57-6	
2-Methylphenol(o-Cresol)	**7.5U**	ug/L	51.4	7.5	10	11/10/10 17:35	11/19/10 10:08	95-48-7	
3&4-Methylphenol(m&p Cresol)	**6.8U**	ug/L	103	6.8	10	11/10/10 17:35	11/19/10 10:08		
2-Naphthylamine	**23.4U**	ug/L	51.4	23.4	10	11/10/10 17:35	11/19/10 10:08	91-59-8	
Naphthalene	**8.0U**	ug/L	51.4	8.0	10	11/10/10 17:35	11/19/10 10:08	91-20-3	
1-Naphthylamine	**10.6U**	ug/L	51.4	10.6	10	11/10/10 17:35	11/19/10 10:08	134-32-7	
1,4-Naphthoquinone	**12.1U**	ug/L	51.4	12.1	10	11/10/10 17:35	11/19/10 10:08	130-15-4	
2-Nitroaniline	**6.2U**	ug/L	51.4	6.2	10	11/10/10 17:35	11/19/10 10:08	88-74-4	
3-Nitroaniline	**10.2U**	ug/L	51.4	10.2	10	11/10/10 17:35	11/19/10 10:08	99-09-2	
4-Nitroaniline	**7.1U**	ug/L	41.2	7.1	10	11/10/10 17:35	11/19/10 10:08	100-01-6	
Nitrobenzene	**11.2U**	ug/L	41.2	11.2	10	11/10/10 17:35	11/19/10 10:08	98-95-3	
2-Nitrophenol	**8.3U**	ug/L	51.4	8.3	10	11/10/10 17:35	11/19/10 10:08	88-75-5	
4-Nitrophenol	**11.1U**	ug/L	206	11.1	10	11/10/10 17:35	11/19/10 10:08	100-02-7	
5-Nitro-o-toluidine	**13.3U**	ug/L	51.4	13.3	10	11/10/10 17:35	11/19/10 10:08	99-55-8	
N-Nitrosodiethylamine	**7.5U**	ug/L	41.2	7.5	10	11/10/10 17:35	11/19/10 10:08	55-18-5	
N-Nitrosodimethylamine	**10U**	ug/L	20.6	10	10	11/10/10 17:35	11/19/10 10:08	62-75-9	
N-Nitroso-di-n-butylamine	**5.7U**	ug/L	41.2	5.7	10	11/10/10 17:35	11/19/10 10:08	924-16-3	
N-Nitroso-di-n-propylamine	**9.7U**	ug/L	41.2	9.7	10	11/10/10 17:35	11/19/10 10:08	621-64-7	
N-Nitrosodiphenylamine	**5.1U**	ug/L	51.4	5.1	10	11/10/10 17:35	11/19/10 10:08	86-30-6	
N-Nitrosomethylethylamine	**7.6U**	ug/L	51.4	7.6	10	11/10/10 17:35	11/19/10 10:08	10595-95-6	
N-Nitrosopiperidine	**6.6U**	ug/L	51.4	6.6	10	11/10/10 17:35	11/19/10 10:08	100-75-4	
N-Nitrosopyrrolidine	**9.1U**	ug/L	51.4	9.1	10	11/10/10 17:35	11/19/10 10:08	930-55-2	
O,O,O-Triethylphosphorothioate	**7.1U**	ug/L	51.4	7.1	10	11/10/10 17:35	11/19/10 10:08	126-68-1	
Pentachlorobenzene	**8.0U**	ug/L	51.4	8.0	10	11/10/10 17:35	11/19/10 10:08	608-93-5	
Phenacetin	**5.5U**	ug/L	51.4	5.5	10	11/10/10 17:35	11/19/10 10:08	62-44-2	
Phenanthrene	**5.4U**	ug/L	51.4	5.4	10	11/10/10 17:35	11/19/10 10:08	85-01-8	
Phenol	**5.6U**	ug/L	51.4	5.6	10	11/10/10 17:35	11/19/10 10:08	108-95-2	D3
p-Phenylenediamine	**10.0U**	ug/L	20.0	10.0	10	11/10/10 17:35	11/19/10 10:08	106-50-3	
Pronamide	**11.6U**	ug/L	51.4	11.6	10	11/10/10 17:35	11/19/10 10:08	23950-58-5	
Pyrene	**7.0U**	ug/L	51.4	7.0	10	11/10/10 17:35	11/19/10 10:08	129-00-0	
Safrole	**8.7U**	ug/L	51.4	8.7	10	11/10/10 17:35	11/19/10 10:08	94-59-7	
1,2,4,5-Tetrachlorobenzene	**7.2U**	ug/L	51.4	7.2	10	11/10/10 17:35	11/19/10 10:08	95-94-3	
2,3,4,6-Tetrachlorophenol	**39.6U**	ug/L	51.4	39.6	10	11/10/10 17:35	11/19/10 10:08	58-90-2	
Thionazin	**6.3U**	ug/L	51.4	6.3	10	11/10/10 17:35	11/19/10 10:08	297-97-2	
O-Toluidine	**11.0U**	ug/L	51.4	11.0	10	11/10/10 17:35	11/19/10 10:08	95-53-4	

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ANALYTICAL RESULTS

Project: Exterior, Interior
Pace Project No.: 3521811

Sample: Interior **Lab ID: 3521811002** Collected: 11/09/10 14:10 Received: 11/09/10 16:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
2,4,5-Trichlorophenol	**5.4U**	ug/L	41.2	5.4	10	11/10/10 17:35	11/19/10 10:08	95-95-4	
2,4,6-Trichlorophenol	**7.1U**	ug/L	20.6	7.1	10	11/10/10 17:35	11/19/10 10:08	88-06-2	
1,3,5-Trinitrobenzene	**12.6U**	ug/L	51.4	12.6	10	11/10/10 17:35	11/19/10 10:08	99-35-4	
Nitrobenzene-d5 (S)	67	%	10-110		10	11/10/10 17:35	11/19/10 10:08	4165-60-0	
2-Fluorobiphenyl (S)	86	%	18-110		10	11/10/10 17:35	11/19/10 10:08	321-60-8	
Terphenyl-d14 (S)	92	%	10-123		10	11/10/10 17:35	11/19/10 10:08	1718-51-0	
Phenol-d6 (S)	29	%	10-110		10	11/10/10 17:35	11/19/10 10:08	13127-88-3	
2-Fluorophenol (S)	43	%	18-110		10	11/10/10 17:35	11/19/10 10:08	367-12-4	
2,4,6-Tribromophenol (S)	85	%	10-110		10	11/10/10 17:35	11/19/10 10:08	118-79-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:29	67-64-1	
Acetonitrile	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:29	75-05-8	
Acrolein	**10.0U**	ug/L	20.0	10.0	1		11/18/10 06:29	107-02-8	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:29	107-13-1	
Allyl chloride	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	107-05-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		11/18/10 06:29	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:29	78-93-3	
Carbon disulfide	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		11/18/10 06:29	74-87-3	
Chloroprene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	126-99-8	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		11/18/10 06:29	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	74-95-3	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:29	110-57-6	
Dichlorodifluoromethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	75-71-8	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	78-87-5	
1,3-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	142-28-9	
2,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	594-20-7	
1,1-Dichloropropene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	563-58-6	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		11/18/10 06:29	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		11/18/10 06:29	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	100-41-4	
Ethyl methacrylate	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	97-63-2	

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ANALYTICAL RESULTS

Project: Exterior, Interior
Pace Project No.: 3521811

Sample: Interior **Lab ID: 3521811002** Collected: 11/09/10 14:10 Received: 11/09/10 16:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Hexachloro-1,3-butadiene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	87-68-3	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:29	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	74-88-4	
Isobutyl Alcohol	**10.0U**	ug/L	20.0	10.0	1		11/18/10 06:29	78-83-1	
Methacrylonitrile	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:29	126-98-7	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		11/18/10 06:29	75-09-2	
Methyl methacrylate	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:29	80-62-6	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:29	108-10-1	
Propionitrile	**5.0U**	ug/L	10.0	5.0	1		11/18/10 06:29	107-12-0	
Styrene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	630-20-6	
1,1,2,2-Tetrachloroethane	**0.18U**	ug/L	0.50	0.18	1		11/18/10 06:29	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	108-88-3	
1,2,4-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	120-82-1	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		11/18/10 06:29	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		11/18/10 06:29	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		11/18/10 06:29	1330-20-7	
4-Bromofluorobenzene (S)	91	%	70-114		1		11/18/10 06:29	460-00-4	
Dibromofluoromethane (S)	107	%	88-117		1		11/18/10 06:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	117	%	86-125		1		11/18/10 06:29	17060-07-0	
Toluene-d8 (S)	93	%	87-113		1		11/18/10 06:29	2037-26-5	
2540C Total Diss. Solids Tampa	Analytical Method: SM 2540C								
Total Dissolved Solids	**500**	mg/L	5.0	5.0	1		11/15/10 09:50		
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	**195**	mg/L	5.0	5.0	1		11/11/10 09:02		
9034 Sulfide Water	Analytical Method: EPA 9034								
Sulfide	**1.0U**	mg/L	1.0	1.0	1		11/15/10 12:00	18496-25-8	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.21**	mg/L	0.050	0.025	1		11/10/10 21:39	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**97.7**	mg/L	10.0	5.0	2		11/11/10 12:40	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**1.5**	mg/L	0.050	0.020	1		11/12/10 14:08	7664-41-7	

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ANALYTICAL RESULTS

Project: Exterior, Interior
Pace Project No.: 3521811

Sample: Interior **Lab ID: 3521811002** Collected: 11/09/10 14:10 Received: 11/09/10 16:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9012 Cyanide, Total	Analytical Method: EPA 9012 Preparation Method: EPA 9012								
Cyanide	**0.0050U**	mg/L	0.010	0.0050	1	11/16/10 10:00	11/18/10 17:21	57-12-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

QC Batch: OEXT/3529 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 3521811001, 3521811002

METHOD BLANK: 141874 Matrix: Water
Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	11/17/10 02:18	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	11/17/10 02:18	

LABORATORY CONTROL SAMPLE: 141875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.25	100	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.23	94	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 141876 141877

Parameter	Units	3521739019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0050 U	.44	.44	0.46	0.48	104	109	60-140	4	40	
1,2-Dibromoethane (EDB)	ug/L	0.0064 U	.44	.44	0.48	0.51	111	116	60-140	4	40	

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

QC Batch: OEXT/3504
QC Batch Method: EPA 3510
Analysis Method: EPA 8081
Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 3521811001, 3521811002

METHOD BLANK: 140338
Matrix: Water
Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	0.0019U	0.010	11/20/10 05:51	
4,4'-DDE	ug/L	0.00090U	0.010	11/20/10 05:51	
4,4'-DDT	ug/L	0.0036U	0.010	11/20/10 05:51	
Aldrin	ug/L	0.00050U	0.010	11/20/10 05:51	
alpha-BHC	ug/L	0.00030U	0.010	11/20/10 05:51	
beta-BHC	ug/L	0.00050U	0.010	11/20/10 05:51	
Chlordane (Technical)	ug/L	0.080U	0.50	11/20/10 05:51	
Chlorobenzilate	ug/L	0.021U	0.10	11/20/10 05:51	
delta-BHC	ug/L	0.00040U	0.010	11/20/10 05:51	
Dieldrin	ug/L	0.00050U	0.010	11/20/10 05:51	
Endosulfan I	ug/L	0.00070U	0.010	11/20/10 05:51	
Endosulfan II	ug/L	0.00070U	0.010	11/20/10 05:51	
Endosulfan sulfate	ug/L	0.00060U	0.010	11/20/10 05:51	
Endrin	ug/L	0.0017U	0.010	11/20/10 05:51	
Endrin aldehyde	ug/L	0.0071U	0.010	11/20/10 05:51	
gamma-BHC (Lindane)	ug/L	0.00020U	0.010	11/20/10 05:51	
Heptachlor	ug/L	0.0015U	0.010	11/20/10 05:51	
Heptachlor epoxide	ug/L	0.00040U	0.010	11/20/10 05:51	
Methoxychlor	ug/L	0.0070U	0.010	11/20/10 05:51	
Pentachloronitrobenzene	ug/L	0.015U	0.10	11/20/10 05:51	
Toxaphene	ug/L	0.28U	0.50	11/20/10 05:51	
Decachlorobiphenyl (S)	%	101	41.7-109.1	11/20/10 05:51	
Tetrachloro-m-xylene (S)	%	94	66.5-120.3	11/20/10 05:51	

LABORATORY CONTROL SAMPLE: 140339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.5	0.51	103	74-122	
4,4'-DDE	ug/L	.5	0.49	98	74-117	
4,4'-DDT	ug/L	.5	0.51	101	81-117	
Aldrin	ug/L	.5	0.43	86	56-112	
alpha-BHC	ug/L	.5	0.44	88	66-110	
beta-BHC	ug/L	.5	0.48	96	77-121	
delta-BHC	ug/L	.5	0.52	103	46-108	
Dieldrin	ug/L	.5	0.49	98	76-122	
Endosulfan I	ug/L	.5	0.47	94	75-122	
Endosulfan II	ug/L	.5	0.50	100	75-126	
Endosulfan sulfate	ug/L	.5	0.48	96	74-118	
Endrin	ug/L	.5	0.50	100	71-122	
Endrin aldehyde	ug/L	.5	0.51	101	76-122	
gamma-BHC (Lindane)	ug/L	.5	0.48	95	64-119	

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

LABORATORY CONTROL SAMPLE: 140339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Heptachlor	ug/L	.5	0.44	87	64-116	
Heptachlor epoxide	ug/L	.5	0.48	96	76-120	
Methoxychlor	ug/L	.5	0.52	105	76-129	
Decachlorobiphenyl (S)	%			89	41.7-109.1	
Tetrachloro-m-xylene (S)	%			91	66.5-120.3	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 140340 140341

Parameter	Units	3521811002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4,4'-DDD	ug/L				0.96	0.97				1	40	
4,4'-DDE	ug/L				0.88	0.88				.3	40	
4,4'-DDT	ug/L				0.92	0.93				1	40	
Aldrin	ug/L				0.84	0.84				.1	40	
alpha-BHC	ug/L	0.00029 U	1	1	0.85	0.84	85	84	66-110	.3	40	
beta-BHC	ug/L				0.93	0.93				.02	40	
delta-BHC	ug/L				1.1	1.1				.4	40	
Dieldrin	ug/L				0.94	0.94				.4	40	
Endosulfan I	ug/L				0.90	0.89				1	40	
Endosulfan II	ug/L				0.97	0.98				.6	40	
Endosulfan sulfate	ug/L	0.00057 U	1	1	1.0	0.99	100	99	74-118	.2	40	
Endrin	ug/L				0.97	0.96				.2	40	
Endrin aldehyde	ug/L			1	0.93	0.94		94				
gamma-BHC (Lindane)	ug/L	0.00019 U	1	1	0.92	0.91	92	91	64-119	.8	40	
Heptachlor	ug/L				0.85	0.85				.2	40	
Heptachlor epoxide	ug/L				0.92	0.91				.9	40	
Methoxychlor	ug/L				1.1	1.1				.2	40	
Decachlorobiphenyl (S)	%						98	95	41.7-109			
Tetrachloro-m-xylene (S)	%						85	86	66.5-120			

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

QC Batch: OEXT/3505
QC Batch Method: EPA 3510
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB
Associated Lab Samples: 3521811001, 3521811002

METHOD BLANK: 140342 Matrix: Water
Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	0.080U	0.50	11/20/10 05:51	
PCB-1221 (Aroclor 1221)	ug/L	0.081U	0.50	11/20/10 05:51	
PCB-1232 (Aroclor 1232)	ug/L	0.12U	0.50	11/20/10 05:51	
PCB-1242 (Aroclor 1242)	ug/L	0.13U	0.50	11/20/10 05:51	
PCB-1248 (Aroclor 1248)	ug/L	0.28U	0.50	11/20/10 05:51	
PCB-1254 (Aroclor 1254)	ug/L	0.14U	0.50	11/20/10 05:51	
PCB-1260 (Aroclor 1260)	ug/L	0.11U	0.50	11/20/10 05:51	
Decachlorobiphenyl (S)	%	99	63-121	11/20/10 05:51	
Tetrachloro-m-xylene (S)	%	92	48-111	11/20/10 05:51	

LABORATORY CONTROL SAMPLE: 140343

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	2.5	2.3	92	70-130	
PCB-1260 (Aroclor 1260)	ug/L	2.5	2.5	101	70-130	
Decachlorobiphenyl (S)	%			89	63-121	
Tetrachloro-m-xylene (S)	%			86	48-111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 140344 140345

Parameter	Units	3521811001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/L	0.077U	5	5	4.4	4.5	89	90	70-130	2	40	
PCB-1260 (Aroclor 1260)	ug/L	0.11U	5	5	4.6	4.6	92	93	70-130	.9	40	
Decachlorobiphenyl (S)	%						96	96	63-121			
Tetrachloro-m-xylene (S)	%						84	85	48-111			

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

QC Batch: OEXT/3517
QC Batch Method: EPA 3510
Analysis Method: EPA 8141
Analysis Description: 8141 GCS, O/P Pesticides
Associated Lab Samples: 3521811001, 3521811002

METHOD BLANK: 140961 Matrix: Water
Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dimethoate	ug/L	0.19U	0.50	11/30/10 00:47	
Disulfoton	ug/L	0.16U	0.50	11/30/10 00:47	
Famphur	ug/L	0.14U	0.50	11/30/10 00:47	
Methyl parathion	ug/L	0.19U	0.50	11/30/10 00:47	
Parathion (Ethyl parathion)	ug/L	0.35U	1.0	11/30/10 00:47	
Phorate	ug/L	0.37U	1.0	11/30/10 00:47	
4-Chloro3nitrobenzotrifluoride	%	89	34.2-122	11/30/10 00:47	3p

LABORATORY CONTROL SAMPLE: 140962

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dimethoate	ug/L	2	5.6	278	59.8-116.4	J(L0)
Disulfoton	ug/L	2	4.2	212	66.9-116.2	J(L0)
Famphur	ug/L	2	3.9	194	56.3-133	J(L0)
Methyl parathion	ug/L	2	3.1	154	67.3-119.6	J(L0)
Parathion (Ethyl parathion)	ug/L	4	6.3	157	70-130	J(L0)
Phorate	ug/L	4	6.5	162	58-119.3	J(L0)
4-Chloro3nitrobenzotrifluoride	%			99	34.2-122	1p,2p

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 140963 140964

Parameter	Units	3521811001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dimethoate	ug/L	0.18U	4	4	4.0	4.0	99	100	59.8-116	.5	40	
Disulfoton	ug/L	0.15U	4	4	4.2	4.4	105	110	66.9-116	5	40	J(SS)
Famphur	ug/L	0.14U	4	4	3.8	3.8	94	95	56.3-133	1	40	
Methyl parathion	ug/L	0.19U	4	4	3.6	3.6	89	91	67.3-119	2	40	
Parathion (Ethyl parathion)	ug/L	0.34U	8	8	6.9	7.0	86	87	70-130	1	40	
Phorate	ug/L	0.35U	8	8	8.3	8.4	104	105	58-119.3	.7	40	
4-Chloro3nitrobenzotrifluoride	%						84	87	34.2-122			3p

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

QC Batch: OEXT/3481 Analysis Method: EPA 8151
QC Batch Method: EPA 8151 Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 3521811001, 3521811002

METHOD BLANK: 139148 Matrix: Water
Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/L	0.042U	0.19	11/12/10 01:12	
2,4,5-TP (Silvex)	ug/L	0.049U	0.19	11/12/10 01:12	
2,4-D	ug/L	0.22U	0.94	11/12/10 01:12	
Dinoseb	ug/L	0.057U	0.19	11/12/10 01:12	
Pentachlorophenol	ug/L	0.017U	0.028	11/12/10 01:12	
2,4-DCPA (S)	%	107	65.5-125.7	11/12/10 01:12	

LABORATORY CONTROL SAMPLE: 139149

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	1.2	1.2	100	66.7-116.7	
2,4,5-TP (Silvex)	ug/L	1.2	1.2	102	65.6-127.9	
2,4-D	ug/L	6	6.1	101	62-135.6	
Dinoseb	ug/L	1.2	1.1	92	44-111.8	
Pentachlorophenol	ug/L	.18	0.17	94	55.5-114	
2,4-DCPA (S)	%			100	65.5-125.7	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 139150 139151

Parameter	Units	9281515002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4,5-T	ug/L	ND	1.2	1.2	1.3	1.4	102	113	66.7-116	11	40	
2,4,5-TP (Silvex)	ug/L	ND	1.2	1.2	1.1	1.3	89	102	65.6-127	14	40	
2,4-D	ug/L	ND	6.1	6.2	5.6	6.1	92	99	62-135.6	9	40	
Dinoseb	ug/L	ND	1.2	1.2	1.1	0.84	89	68	44-111.8	26	40	
Pentachlorophenol	ug/L	ND	.18	.19	0.12	0.11	66	60	55.5-114	8	40	
2,4-DCPA (S)	%						99	93	65.5-125			

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

QC Batch: MPRP/3578
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 3521811001, 3521811002

METHOD BLANK: 141521
Matrix: Water
Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	11/16/10 16:35	
Barium	ug/L	5.0U	10.0	11/16/10 16:35	
Beryllium	ug/L	0.50U	1.0	11/16/10 16:35	
Cadmium	ug/L	0.50U	1.0	11/16/10 16:35	
Chromium	ug/L	2.5U	5.0	11/16/10 16:35	
Cobalt	ug/L	5.0U	10.0	11/16/10 16:35	
Copper	ug/L	2.5U	5.0	11/16/10 16:35	
Iron	ug/L	20.0U	40.0	11/16/10 16:35	
Lead	ug/L	5.0U	10.0	11/16/10 16:35	
Nickel	ug/L	2.5U	5.0	11/16/10 16:35	
Selenium	ug/L	7.5U	15.0	11/16/10 16:35	
Silver	ug/L	2.5U	5.0	11/16/10 16:35	
Sodium	mg/L	0.50U	1.0	11/16/10 16:35	
Tin	ug/L	25.0U	50.0	11/16/10 16:35	
Tot Hardness asCaCO3 (SM 2340B	ug/L	1600U	3210	11/16/10 16:35	
Vanadium	ug/L	5.0U	10.0	11/16/10 16:35	
Zinc	ug/L	10.0U	20.0	11/16/10 16:35	

LABORATORY CONTROL SAMPLE: 141522

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	273	109	80-120	
Barium	ug/L	250	276	110	80-120	
Beryllium	ug/L	25	27.4	110	80-120	
Cadmium	ug/L	25	28.1	112	80-120	
Chromium	ug/L	250	280	112	80-120	
Cobalt	ug/L	250	279	112	80-120	
Copper	ug/L	250	270	108	80-120	
Iron	ug/L	2500	2760	110	80-120	
Lead	ug/L	250	275	110	80-120	
Nickel	ug/L	250	280	112	80-120	
Selenium	ug/L	250	274	110	80-120	
Silver	ug/L	25	27.3	109	80-120	
Sodium	mg/L	12.5	13.6	109	80-120	
Tin	ug/L	1250	1370	110	80-120	
Tot Hardness asCaCO3 (SM 2340B	ug/L		88400			
Vanadium	ug/L	250	273	109	80-120	
Zinc	ug/L	1250	1360	109	80-120	

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 141523 141524

Parameter	Units	3521205047 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	5.0U	250	250	272	274	109	110	75-125	.7	20	
Barium	ug/L	5.0U	250	250	280	281	111	111	75-125	.4	20	
Beryllium	ug/L	0.50U	25	25	27.4	27.5	110	110	75-125	.4	20	
Cadmium	ug/L	0.50U	25	25	28.2	28.3	111	112	75-125	.4	20	
Chromium	ug/L	2.5U	250	250	279	281	112	112	75-125	.7	20	
Cobalt	ug/L	5.0U	250	250	278	280	111	112	75-125	.7	20	
Copper	ug/L	2.5U	250	250	271	272	108	109	75-125	.4	20	
Iron	ug/L	30.9 I	2500	2500	2790	2810	110	111	75-125	.7	20	
Lead	ug/L	5.0U	250	250	274	277	110	111	75-125	1	20	
Nickel	ug/L	2.5U	250	250	280	281	111	112	75-125	.4	20	
Selenium	ug/L	7.5U	250	250	266	269	104	106	75-125	1	20	
Silver	ug/L	2.5U	25	25	27.8	27.8	111	111	75-125	0	20	
Sodium	mg/L	2.9	12.5	12.5	16.5	16.6	109	109	75-125	.6	20	
Tin	ug/L	25.0U	1250	1250	1380	1380	110	110	75-125	0	20	
Tot Hardness asCaCO3 (SM 2340B	ug/L	22400			111000	111000				.2	20	
Vanadium	ug/L	5.0U	250	250	277	278	109	110	75-125	.4	20	
Zinc	ug/L	10.0U	1250	1250	1360	1360	109	109	75-125	0	20	

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

QC Batch: MPRP/3577
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Associated Lab Samples: 3521811001, 3521811002

METHOD BLANK: 141517
Matrix: Water
Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	11/17/10 12:44	
Thallium	ug/L	0.50U	1.0	11/17/10 12:44	

LABORATORY CONTROL SAMPLE: 141518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	51.5	103	90-110	
Thallium	ug/L	50	51.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 141519 141520

Parameter	Units	3521205046 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50U	50	50	48.9	49.8	98	100	70-130	2	20	
Thallium	ug/L	0.96 I	50	50	52.4	53.0	103	104	70-130	1	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

QC Batch: MERP/1609
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 3521811001, 3521811002

METHOD BLANK: 141840 Matrix: Water
Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	11/19/10 11:25	

LABORATORY CONTROL SAMPLE: 141841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 141842 141843

Parameter	Units	3521204038 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10U	2	2	1.8	1.7	89	85	85-115	5	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 141844 141845

Parameter	Units	3521739032 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10U	2	2	1.6	1.7	81	87	85-115	8	20	J(M1)

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

QC Batch: OEXT/3498 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV App II
Associated Lab Samples: 3521811001, 3521811002

METHOD BLANK: 139925 Matrix: Water
Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	0.70U	5.0	11/19/10 07:08	
1,2-Dichlorobenzene	ug/L	0.68U	5.0	11/19/10 07:08	
1,3,5-Trinitrobenzene	ug/L	1.2U	5.0	11/19/10 07:08	
1,3-Dichlorobenzene	ug/L	0.76U	5.0	11/19/10 07:08	
1,3-Dinitrobenzene	ug/L	0.68U	8.0	11/19/10 07:08	
1,4-Dichlorobenzene	ug/L	0.77U	5.0	11/19/10 07:08	
1,4-Naphthoquinone	ug/L	1.2U	5.0	11/19/10 07:08	
1-Naphthylamine	ug/L	1.0U	5.0	11/19/10 07:08	
2,3,4,6-Tetrachlorophenol	ug/L	3.8U	5.0	11/19/10 07:08	
2,4,5-Trichlorophenol	ug/L	0.52U	4.0	11/19/10 07:08	
2,4,6-Trichlorophenol	ug/L	0.69U	2.0	11/19/10 07:08	
2,4-Dichlorophenol	ug/L	0.56U	2.0	11/19/10 07:08	
2,4-Dimethylphenol	ug/L	1.6U	5.0	11/19/10 07:08	
2,4-Dinitrophenol	ug/L	1.6U	20.0	11/19/10 07:08	
2,4-Dinitrotoluene	ug/L	0.53U	2.0	11/19/10 07:08	
2,6-Dichlorophenol	ug/L	0.62U	4.0	11/19/10 07:08	
2,6-Dinitrotoluene	ug/L	1.2U	2.0	11/19/10 07:08	
2-Acetylaminofluorene	ug/L	0.65U	5.0	11/19/10 07:08	
2-Chloronaphthalene	ug/L	0.80U	5.0	11/19/10 07:08	
2-Chlorophenol	ug/L	0.68U	5.0	11/19/10 07:08	
2-Methylnaphthalene	ug/L	0.99U	5.0	11/19/10 07:08	
2-Methylphenol(o-Cresol)	ug/L	0.73U	5.0	11/19/10 07:08	
2-Naphthylamine	ug/L	2.3U	5.0	11/19/10 07:08	
2-Nitroaniline	ug/L	0.60U	5.0	11/19/10 07:08	
2-Nitrophenol	ug/L	0.81U	5.0	11/19/10 07:08	
3&4-Methylphenol(m&p Cresol)	ug/L	0.66U	10.0	11/19/10 07:08	
3,3'-Dichlorobenzidine	ug/L	0.69U	10.0	11/19/10 07:08	
3,3'-Dimethylbenzidine	ug/L	3.1U	10.0	11/19/10 07:08	
3-Methylcholanthrene	ug/L	1.0U	5.0	11/19/10 07:08	
3-Nitroaniline	ug/L	0.99U	5.0	11/19/10 07:08	
4,6-Dinitro-2-methylphenol	ug/L	1.3U	20.0	11/19/10 07:08	
4-Aminobiphenyl	ug/L	2.8U	5.0	11/19/10 07:08	
4-Bromophenylphenyl ether	ug/L	0.67U	5.0	11/19/10 07:08	
4-Chloro-3-methylphenol	ug/L	0.62U	20.0	11/19/10 07:08	
4-Chloroaniline	ug/L	1.2U	5.0	11/19/10 07:08	
4-Chlorophenylphenyl ether	ug/L	0.63U	5.0	11/19/10 07:08	
4-Nitroaniline	ug/L	0.69U	4.0	11/19/10 07:08	
4-Nitrophenol	ug/L	1.1U	20.0	11/19/10 07:08	
5-Nitro-o-toluidine	ug/L	1.3U	5.0	11/19/10 07:08	
7,12-Dimethylbenz(a)anthracene	ug/L	2.0U	5.0	11/19/10 07:08	
a,a-Dimethylphenylethylamine	ug/L	10.0U	20.0	11/19/10 07:08	
Acenaphthene	ug/L	0.86U	5.0	11/19/10 07:08	
Acenaphthylene	ug/L	0.95U	5.0	11/19/10 07:08	

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8 East Tower Circle
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(386)672-5668

QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

METHOD BLANK: 139925 Matrix: Water

Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acetophenone	ug/L	1.4U	5.0	11/19/10 07:08	
Anthracene	ug/L	0.60U	5.0	11/19/10 07:08	
Benzo(a)anthracene	ug/L	0.63U	5.0	11/19/10 07:08	
Benzo(a)pyrene	ug/L	0.58U	1.0	11/19/10 07:08	
Benzo(b)fluoranthene	ug/L	0.62U	2.0	11/19/10 07:08	
Benzo(g,h,i)perylene	ug/L	0.68U	5.0	11/19/10 07:08	
Benzo(k)fluoranthene	ug/L	0.51U	4.0	11/19/10 07:08	
Benzyl alcohol	ug/L	1.0U	5.0	11/19/10 07:08	
bis(2-Chloroethoxy)methane	ug/L	3.0U	5.0	11/19/10 07:08	
bis(2-Chloroethyl) ether	ug/L	0.75U	4.0	11/19/10 07:08	
bis(2-Chloroisopropyl) ether	ug/L	0.73U	5.0	11/19/10 07:08	
bis(2-Ethylhexyl)phthalate	ug/L	0.80U	5.0	11/19/10 07:08	
Butylbenzylphthalate	ug/L	0.72U	5.0	11/19/10 07:08	
Chrysene	ug/L	0.37U	5.0	11/19/10 07:08	
Di-n-butylphthalate	ug/L	0.41U	5.0	11/19/10 07:08	
Di-n-octylphthalate	ug/L	0.90U	5.0	11/19/10 07:08	
Diallate	ug/L	0.73U	5.0	11/19/10 07:08	
Dibenz(a,h)anthracene	ug/L	0.65U	2.0	11/19/10 07:08	
Dibenzofuran	ug/L	0.67U	5.0	11/19/10 07:08	
Diethylphthalate	ug/L	0.51U	5.0	11/19/10 07:08	
Dimethylphthalate	ug/L	0.64U	5.0	11/19/10 07:08	
Ethyl methanesulfonate	ug/L	0.90U	5.0	11/19/10 07:08	
Fluoranthene	ug/L	0.54U	5.0	11/19/10 07:08	
Fluorene	ug/L	0.56U	5.0	11/19/10 07:08	
Hexachlorobenzene	ug/L	0.80U	1.0	11/19/10 07:08	
Hexachlorocyclopentadiene	ug/L	1.3U	5.0	11/19/10 07:08	
Hexachloroethane	ug/L	0.71U	5.0	11/19/10 07:08	
Hexachloropropene	ug/L	1.4U	5.0	11/19/10 07:08	
Indeno(1,2,3-cd)pyrene	ug/L	0.73U	2.0	11/19/10 07:08	
Isodrin	ug/L	0.54U	5.0	11/19/10 07:08	
Isophorone	ug/L	0.73U	5.0	11/19/10 07:08	
Isosafrole	ug/L	0.60U	5.0	11/19/10 07:08	
Kepone	ug/L	10.0U	20.0	11/19/10 07:08	
Methapyrilene	ug/L	1.6U	5.0	11/19/10 07:08	J(SS)
Methyl methanesulfonate	ug/L	1.0U	5.0	11/19/10 07:08	
N-Nitroso-di-n-butylamine	ug/L	0.55U	4.0	11/19/10 07:08	
N-Nitroso-di-n-propylamine	ug/L	0.94U	4.0	11/19/10 07:08	
N-Nitrosodiethylamine	ug/L	0.73U	4.0	11/19/10 07:08	
N-Nitrosodimethylamine	ug/L	0.97U	2.0	11/19/10 07:08	
N-Nitrosodiphenylamine	ug/L	0.50U	5.0	11/19/10 07:08	
N-Nitrosomethylethylamine	ug/L	0.74U	5.0	11/19/10 07:08	
N-Nitrosopiperidine	ug/L	0.64U	5.0	11/19/10 07:08	
N-Nitrosopyrrolidine	ug/L	0.88U	5.0	11/19/10 07:08	
Naphthalene	ug/L	0.78U	5.0	11/19/10 07:08	
Nitrobenzene	ug/L	1.1U	4.0	11/19/10 07:08	
O,O,O-Triethylphosphorothioate	ug/L	0.69U	5.0	11/19/10 07:08	
O-Toluidine	ug/L	1.1U	5.0	11/19/10 07:08	

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

METHOD BLANK: 139925 Matrix: Water

Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
P-Dimethylaminoazobenzene	ug/L	0.67U	5.0	11/19/10 07:08	
p-Phenylenediamine	ug/L	10.0U	20.0	11/19/10 07:08	
Pentachlorobenzene	ug/L	0.78U	5.0	11/19/10 07:08	
Phenacetin	ug/L	0.53U	5.0	11/19/10 07:08	
Phenanthrene	ug/L	0.52U	5.0	11/19/10 07:08	
Phenol	ug/L	0.96 I	5.0	11/19/10 07:08	
Pronamide	ug/L	1.1U	5.0	11/19/10 07:08	
Pyrene	ug/L	0.68U	5.0	11/19/10 07:08	
Safrole	ug/L	0.85U	5.0	11/19/10 07:08	
Thionazin	ug/L	0.61U	5.0	11/19/10 07:08	
2,4,6-Tribromophenol (S)	%	89	10-110	11/19/10 07:08	
2-Fluorobiphenyl (S)	%	77	18-110	11/19/10 07:08	
2-Fluorophenol (S)	%	43	18-110	11/19/10 07:08	
Nitrobenzene-d5 (S)	%	68	10-110	11/19/10 07:08	
Phenol-d6 (S)	%	29	10-110	11/19/10 07:08	
Terphenyl-d14 (S)	%	96	10-123	11/19/10 07:08	

LABORATORY CONTROL SAMPLE: 139926

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	50	36.6	73	10-146.9	
1,2-Dichlorobenzene	ug/L	50	29.4	59	23.5-105.7	
1,3,5-Trinitrobenzene	ug/L	50	47.1	94	41.4-102.4	
1,3-Dichlorobenzene	ug/L	50	30.2	60	25.5-94.5	
1,3-Dinitrobenzene	ug/L	50	40.3	81	45.3-116.4	
1,4-Dichlorobenzene	ug/L	50	30.1	60	33.2-90.7	
1,4-Naphthoquinone	ug/L	50	43.8	88	39.3-113.3	
1-Naphthylamine	ug/L	50	40.0	80	37.1-90.4	
2,3,4,6-Tetrachlorophenol	ug/L	50	43.8	88	14.3-115.3	
2,4,5-Trichlorophenol	ug/L	50	39.4	79	10-121.3	
2,4,6-Trichlorophenol	ug/L	50	37.9	76	40.3-101.7	
2,4-Dichlorophenol	ug/L	50	35.7	71	35.8-108.5	
2,4-Dimethylphenol	ug/L	50	31.4	63	25-104.5	
2,4-Dinitrophenol	ug/L	50	39.0	78	10-147.1	
2,4-Dinitrotoluene	ug/L	50	42.1	84	47.9-113.6	
2,6-Dichlorophenol	ug/L	50	36.1	72	41.1-101.8	
2,6-Dinitrotoluene	ug/L	50	41.5	83	44.6-111.5	
2-Acetylaminofluorene	ug/L	50	46.2	92	58.3-112.7	
2-Chloronaphthalene	ug/L	50	36.4	73	41.2-101.2	
2-Chlorophenol	ug/L	50	29.9	60	32.1-96.5	
2-Methylnaphthalene	ug/L	50	35.1	70	40-93.6	
2-Methylphenol(o-Cresol)	ug/L	50	29.4	59	36.7-95.1	
2-Naphthylamine	ug/L	50	30.4	61	42.4-98.8	
2-Nitroaniline	ug/L	50	40.5	81	59-103.2	
2-Nitrophenol	ug/L	50	32.4	65	38.4-108.9	

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

LABORATORY CONTROL SAMPLE: 139926

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3&4-Methylphenol(m&p Cresol)	ug/L	50	28.5	57	35.2-94.3	
3,3'-Dichlorobenzidine	ug/L	50	42.5	85	30.7-106	
3,3'-Dimethylbenzidine	ug/L	50	33.2	66	10-160.1	
3-Methylcholanthrene	ug/L	50	42.0	84	15.5-121.4	
3-Nitroaniline	ug/L	50	41.3	83	25.3-131.5	
4,6-Dinitro-2-methylphenol	ug/L	50	42.3	85	35.2-130.5	
4-Aminobiphenyl	ug/L	50	40.0	80	50.8-112.6	
4-Bromophenylphenyl ether	ug/L	50	43.1	86	51.9-110.4	
4-Chloro-3-methylphenol	ug/L	50	38.1	76	19.4-128.8	
4-Chloroaniline	ug/L	50	35.8	72	30.1-108.4	
4-Chlorophenylphenyl ether	ug/L	50	40.0	80	49.7-91.5	
4-Nitroaniline	ug/L	50	43.2	86	48.1-112.2	
4-Nitrophenol	ug/L	50	18.7 I	37	10-121.8	
5-Nitro-o-toluidine	ug/L	50	40.5	81	43-113	
7,12-Dimethylbenz(a)anthracene	ug/L	50	41.3	83	52.5-108.6	
Acenaphthene	ug/L	50	37.9	76	50.3-98.3	
Acenaphthylene	ug/L	50	37.2	74	49-98.1	
Acetophenone	ug/L	50	33.8	68	40.6-94.3	
Anthracene	ug/L	50	42.9	86	55-112.5	
Benzo(a)anthracene	ug/L	50	41.0	82	10-150.1	
Benzo(a)pyrene	ug/L	50	42.5	85	59.7-108.4	
Benzo(b)fluoranthene	ug/L	50	43.3	87	58.4-111.8	
Benzo(g,h,i)perylene	ug/L	50	41.6	83	57.6-115.1	
Benzo(k)fluoranthene	ug/L	50	41.3	83	57.6-112.4	
Benzyl alcohol	ug/L	50	32.0	64	26.1-118	
bis(2-Chloroethoxy)methane	ug/L	50	33.6	67	41.2-96.2	
bis(2-Chloroethyl) ether	ug/L	50	31.0	62	35.3-99.5	
bis(2-Chloroisopropyl) ether	ug/L	50	32.5	65	36.3-91	
bis(2-Ethylhexyl)phthalate	ug/L	50	41.9	84	43.1-118.3	
Butylbenzylphthalate	ug/L	50	41.7	83	57.5-118.2	
Chrysene	ug/L	50	41.0	82	42.4-113.9	
Di-n-butylphthalate	ug/L	50	42.9	86	22.2-139.3	
Di-n-octylphthalate	ug/L	50	42.3	85	57.4-116.9	
Diallate	ug/L	50	42.2	84	44.3-111.7	
Dibenz(a,h)anthracene	ug/L	50	42.4	85	59.1-111.8	
Dibenzofuran	ug/L	50	38.4	77	45.3-108.3	
Diethylphthalate	ug/L	50	42.3	85	51.1-107.5	
Dimethylphthalate	ug/L	50	40.8	82	47.4-110.6	
Ethyl methanesulfonate	ug/L	50	31.7	63	35.9-103.6	
Fluoranthene	ug/L	50	42.7	85	48.2-118.6	
Fluorene	ug/L	50	41.3	83	44.7-106.4	
Hexachlorobenzene	ug/L	50	40.8	82	54-113.2	
Hexachlorocyclopentadiene	ug/L	50	26.2	52	16.5-105.1	
Hexachloroethane	ug/L	50	30.2	60	10-102	
Hexachloropropene	ug/L	50	34.7	69	29.1-84.2	
Indeno(1,2,3-cd)pyrene	ug/L	50	42.0	84	33.7-120.7	
Isodrin	ug/L	50	43.5	87	32.4-130.4	
Isophorone	ug/L	50	35.1	70	42.5-107.7	

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

LABORATORY CONTROL SAMPLE: 139926

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Isosafrole	ug/L	50	35.2	70	45.8-99.3	
Methapyrilene	ug/L	50	29.6	59	17.8-119.5	J(SS)
Methyl methanesulfonate	ug/L	50	26.8	54	10-107	
N-Nitroso-di-n-butylamine	ug/L	50	32.7	65	15.2-107.9	
N-Nitroso-di-n-propylamine	ug/L	50	34.2	68	19.1-111.6	
N-Nitrosodiethylamine	ug/L	50	30.2	60	10-130.6	
N-Nitrosodimethylamine	ug/L	50	19.3	39	10-132	
N-Nitrosodiphenylamine	ug/L	50	40.7	81	37-104.4	
N-Nitrosomethylethylamine	ug/L	50	28.1	56	10-135	
N-Nitrosopiperidine	ug/L	50	33.0	66	43.3-96.3	
N-Nitrosopyrrolidine	ug/L	50	32.4	65	43.1-97.2	
Naphthalene	ug/L	50	32.3	65	40.1-85.7	
Nitrobenzene	ug/L	50	31.7	63	32.9-115.9	
O,O,O-Triethylphosphorothioate	ug/L	50	33.7	67	48.5-99.9	
O-Toluidine	ug/L	50	31.3	63	21.2-134.1	
P-Dimethylaminoazobenzene	ug/L	50	47.5	95	44.6-142.5	
Pentachlorobenzene	ug/L	50	39.9	80	37.5-128.1	
Phenacetin	ug/L	50	44.8	90	19.3-143.2	
Phenanthrene	ug/L	50	43.6	87	49.2-124.2	
Phenol	ug/L	50	17.8	36	10-158.5	
Pronamide	ug/L	50	43.8	88	10-128.9	
Pyrene	ug/L	50	39.9	80	10-150.1	
Safrole	ug/L	50	39.5	79	10-135.9	
Thionazin	ug/L	50	43.8	88	45-105.7	
2,4,6-Tribromophenol (S)	%			88	10-110	
2-Fluorobiphenyl (S)	%			75	18-110	
2-Fluorophenol (S)	%			39	18-110	
Nitrobenzene-d5 (S)	%			69	10-110	
Phenol-d6 (S)	%			30	10-110	
Terphenyl-d14 (S)	%			87	10-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 139927 139928

Parameter	Units	3521694001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4,5-Tetrachlorobenzene	ug/L	327U	100	100	385U	420U	89	81	10-146.9		40	
1,2-Dichlorobenzene	ug/L	318U	100	100	374U	408U	59	54	23.5-105		40	
1,3,5-Trinitrobenzene	ug/L	571U	100	100	671U	732U	0	0	41.4-102		40	M6
1,3-Dichlorobenzene	ug/L	356U	100	100	418U	456U	56	59	25.5-94.		40	
1,3-Dinitrobenzene	ug/L	318U	100	100	374U	408U	72	30	45.3-116		40	M6
1,4-Dichlorobenzene	ug/L	360U	100	100	424U	462U	78	74	33.2-90.		40	
1,4-Naphthoquinone	ug/L	552U	100	100	649U	708U	0	0	39.3-113		40	M6
1-Naphthylamine	ug/L	482U	100	100	566U	618U	0	0	37.1-90.		40	M6
2,3,4,6-Tetrachlorophenol	ug/L	1800U	100	100	2120U	2310U	0	0	14.3-115		40	M6
2,4,5-Trichlorophenol	ug/L	243U	100	100	286U	312U	94	73	10-121.3		40	
2,4,6-Trichlorophenol	ug/L	323U	100	100	380U	414U	88	83	40.3-101		40	
2,4-Dichlorophenol	ug/L	262U	100	100	308U	336U	0	0	35.8-108		40	M6

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 139927 139928

Parameter	Units	3521694001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4-Dimethylphenol	ug/L	739U	100	100	869U	948U	0	120	25-104.5		40	M6
2,4-Dinitrophenol	ug/L	734U	100	100	864U	942U	0	0	10-147.1		40	M6
2,4-Dinitrotoluene	ug/L	248U	100	100	292U	318U	115	117	47.9-113		40	M6
2,6-Dichlorophenol	ug/L	290U	100	100	341U	372U	0	0	41.1-101		40	M6
2,6-Dinitrotoluene	ug/L	571U	100	100	671U	732U	0	75	44.6-111		40	M6
2-Acetylaminofluorene	ug/L	304U	100	100	358U	390U	82	73	58.3-112		40	
2-Chloronaphthalene	ug/L	374U	100	100	440U	480U	99	116	41.2-101		40	M6
2-Chlorophenol	ug/L	318U	100	100	374U	408U	54	31	32.1-96.		40	M6
2-Methylnaphthalene	ug/L	463U	100	100	544U	594U	89	80	40-93.6		40	
2-Methylphenol(o-Cresol)	ug/L	342U	100	100	402U	438U	0	0	36.7-95.		40	M6
2-Naphthylamine	ug/L	1060U	100	100	1250U	1360U	0	0	42.4-98.		40	M6
2-Nitroaniline	ug/L	281U	100	100	330U	360U	85	69	59-103.2		40	
2-Nitrophenol	ug/L	379U	100	100	446U	486U	79	0	38.4-108		40	M6
3&4-Methylphenol(m&p Cresol)	ug/L	309U	100	100	363U	396U	0	0	35.2-94.		40	M6
3,3'-Dichlorobenzidine	ug/L	323U	100	100	380U	414U	0	0	30.7-106		40	M6
3,3'-Dimethylbenzidine	ug/L	1460U	100	100	1720U	1880U	0	0	10-160.1		40	M6
3-Methylcholanthrene	ug/L	487U	100	100	572U	624U	99	79	15.5-121		40	
3-Nitroaniline	ug/L	463U	100	100	544U	594U	0	0	25.3-131		40	M6
4,6-Dinitro-2-methylphenol	ug/L	618U	100	100	726U	792U	0	0	35.2-130		40	M6
4-Aminobiphenyl	ug/L	1320U	100	100	1560U	1700U	0	0	50.8-112		40	M6
4-Bromophenylphenyl ether	ug/L	313U	100	100	368U	402U	95	98	51.9-110		40	
4-Chloro-3-methylphenol	ug/L	290U	100	100	341U	638 I	0	638	19.4-128		40	M6
4-Chloroaniline	ug/L	566U	100	100	666U	726U	0	0	30.1-108		40	M6
4-Chlorophenylphenyl ether	ug/L	295U	100	100	346U	378U	99	80	49.7-91.		40	M6
4-Nitroaniline	ug/L	323U	100	100	380U	414U	0	0	48.1-112		40	M6
4-Nitrophenol	ug/L	505U	100	100	594U	648U	0	0	10-121.8		40	M6
5-Nitro-o-toluidine	ug/L	603U	100	100	710U	774U	94	72	43-113		40	
7,12-Dimethylbenz(a)anthracene	ug/L	912U	100	100	1070U	1170U	97	81	52.5-108		40	
Acenaphthene	ug/L	402U	100	100	473U	516U	96	85	50.3-98.		40	
Acenaphthylene	ug/L	444U	100	100	522U	570U	85	81	49-98.1		40	
Acetophenone	ug/L	6050	100	100	5380	5320	-674	-732	40.6-94.	1	40	M6
Anthracene	ug/L	281U	100	100	330U	360U	4	0	55-112.5		40	M6
Benzo(a)anthracene	ug/L	295U	100	100	346U	378U	137	132	10-150.1		40	
Benzo(a)pyrene	ug/L	271U	100	100	319U	348U	82	77	59.7-108		40	
Benzo(b)fluoranthene	ug/L	290U	100	100	341U	372U	83	81	58.4-111		40	
Benzo(g,h,i)perylene	ug/L	318U	100	100	374U	408U	79	78	57.6-115		40	
Benzo(k)fluoranthene	ug/L	239U	100	100	280U	306U	98	84	57.6-112		40	
Benzyl alcohol	ug/L	874 I	100	100	1160 I	1010 I	281	137	26.1-118		40	M6
bis(2-Chloroethoxy)methane	ug/L	1380U	100	100	1620U	1770U	97	77	41.2-96.		40	M6
bis(2-Chloroethyl) ether	ug/L	351U	100	100	412U	450U	0	0	35.3-99.		40	D3,M6
bis(2-Chloroisopropyl) ether	ug/L	342U	100	100	402U	438U	0	0	36.3-91		40	M6
bis(2-Ethylhexyl)phthalate	ug/L	374U	100	100	440U	480U	110	0	43.1-118		40	M6
Butylbenzylphthalate	ug/L	337U	100	100	396U	432U	100	0	57.5-118		40	M6
Chrysene	ug/L	173U	100	100	204U	222U	90	89	42.4-113		40	
Di-n-butylphthalate	ug/L	192U	100	100	226U	246U	101	100	22.2-139		40	
Di-n-octylphthalate	ug/L	421U	100	100	495U	540U	91	86	57.4-116		40	

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Ormond Beach, FL 32174
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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 139927 139928

Parameter	Units	3521694001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diallate	ug/L	340U	100	100	400U	436U	185	180	44.3-111		40	M6
Dibenz(a,h)anthracene	ug/L	304U	100	100	358U	390U	74	69	59.1-111		40	
Dibenzofuran	ug/L	313U	100	100	368U	402U	96	88	45.3-108		40	
Diethylphthalate	ug/L	239U	100	100	280U	306U	113	99	51.1-107		40	M6
Dimethylphthalate	ug/L	299U	100	100	352U	384U	88	0	47.4-110		40	M6
Ethyl methanesulfonate	ug/L	421U	100	100	495U	540U	81	68	35.9-103		40	
Fluoranthene	ug/L	253U	100	100	297U	324U	86	84	48.2-118		40	
Fluorene	ug/L	262U	100	100	308U	336U	0	0	44.7-106		40	M6
Hexachlorobenzene	ug/L	374U	100	100	440U	480U	89	82	54-113.2		40	
Hexachlorocyclopentadiene	ug/L	599U	100	100	704U	768U	0	0	16.5-105		40	M6
Hexachloroethane	ug/L	332U	100	100	390U	426U	0	0	10-102		40	M6
Hexachloropropene	ug/L	660U	100	100	776U	846U	51	0	29.1-84.		40	M6
Indeno(1,2,3-cd)pyrene	ug/L	342U	100	100	402U	438U	79	74	33.7-120		40	
Isodrin	ug/L	253U	100	100	297U	324U	0	0	32.4-130		40	M6
Isophorone	ug/L	342U	100	100	402U	438U	93	90	42.5-107		40	
Isosafrole	ug/L	281U	100	100	330U	360U	101	78	45.8-99.		40	M6
Methapyrilene	ug/L	772U	100	100	908U	990U	105	0	17.8-119		40	J(SS), M6
Methyl methanesulfonate	ug/L	468U	100	100	550U	600U	0	0	10-107		40	M6
N-Nitroso-di-n-butylamine	ug/L	257U	100	100	302U	330U	0	0	15.2-107		40	M6
N-Nitroso-di-n-propylamine	ug/L	440U	100	100	517U	564U	71	0	19.1-111		40	M6
N-Nitrosodiethylamine	ug/L	342U	100	100	402U	438U	67	65	10-130.6		40	
N-Nitrosodimethylamine	ug/L	454U	100	100	534U	582U	66	57	10-132		40	
N-Nitrosodiphenylamine	ug/L	234U	100	100	275U	300U	105	99	37-104.4		40	M6
N-Nitrosomethylethylamine	ug/L	346U	100	100	407U	444U	0	0	10-135		40	M6
N-Nitrosopiperidine	ug/L	299U	100	100	352U	384U	73	53	43.3-96.		40	
N-Nitrosopyrrolidine	ug/L	412U	100	100	484U	528U	67	0	43.1-97.		40	M6
Naphthalene	ug/L	365U	100	100	429U	468U	0	0	40.1-85.		40	M6
Nitrobenzene	ug/L	510U	100	100	600U	654U	0	85	32.9-115		40	M6
O,O,O-Triethylphosphorothioate	ug/L	323U	100	100	380U	414U	82	78	48.5-99.		40	
O-Toluidine	ug/L	501U	100	100	588U	642U	80	52	21.2-134		40	
P-Dimethylaminoazobenzene	ug/L	313U	100	100	368U	402U	0	88	44.6-142		40	M6
Pentachlorobenzene	ug/L	365U	100	100	429U	468U	101	84	37.5-128		40	
Phenacetin	ug/L	248U	100	100	292U	318U	182	183	19.3-143		40	M6
Phenanthrene	ug/L	243U	100	100	286U	312U	91	78	49.2-124		40	
Phenol	ug/L	43800	100	100	51000	49800	7230	5990	10-158.5	2	40	D3,D4, M6
Pronamide	ug/L	529U	100	100	622U	678U	114	98	10-128.9		40	
Pyrene	ug/L	318U	100	100	374U	408U	100	87	10-150.1		40	
Safrole	ug/L	398U	100	100	468U	510U	142	171	10-135.9		40	M6
Thionazin	ug/L	285U	100	100	336U	366U	0	0	45-105.7		40	M6
2,4,6-Tribromophenol (S)	%						83	64	10-110			
2-Fluorobiphenyl (S)	%						100	87	18-110			
2-Fluorophenol (S)	%						49	48	18-110			
Nitrobenzene-d5 (S)	%						80	72	10-110			
Phenol-d6 (S)	%						0	0	10-110			S4
Terphenyl-d14 (S)	%						87	83	10-123			

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

QC Batch: MSV/2383 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 3521811001, 3521811002

METHOD BLANK: 142966 Matrix: Water
Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	11/17/10 22:38	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	11/17/10 22:38	
1,1,2,2-Tetrachloroethane	ug/L	0.18U	0.50	11/17/10 22:38	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	11/17/10 22:38	
1,1-Dichloroethane	ug/L	0.50U	1.0	11/17/10 22:38	
1,1-Dichloroethene	ug/L	0.50U	1.0	11/17/10 22:38	
1,1-Dichloropropene	ug/L	0.50U	1.0	11/17/10 22:38	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	11/17/10 22:38	
1,2,4-Trichlorobenzene	ug/L	0.50U	1.0	11/17/10 22:38	
1,2-Dichloroethane	ug/L	0.50U	1.0	11/17/10 22:38	
1,2-Dichloropropane	ug/L	0.50U	1.0	11/17/10 22:38	
1,3-Dichloropropane	ug/L	0.50U	1.0	11/17/10 22:38	
2,2-Dichloropropane	ug/L	0.50U	1.0	11/17/10 22:38	
2-Butanone (MEK)	ug/L	5.0U	10.0	11/17/10 22:38	
2-Hexanone	ug/L	5.0U	10.0	11/17/10 22:38	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	11/17/10 22:38	
Acetone	ug/L	5.0U	10.0	11/17/10 22:38	
Acetonitrile	ug/L	5.0U	10.0	11/17/10 22:38	
Acrolein	ug/L	10.0U	20.0	11/17/10 22:38	
Acrylonitrile	ug/L	5.0U	10.0	11/17/10 22:38	
Allyl chloride	ug/L	0.50U	1.0	11/17/10 22:38	
Benzene	ug/L	0.50U	1.0	11/17/10 22:38	
Bromochloromethane	ug/L	0.50U	1.0	11/17/10 22:38	
Bromodichloromethane	ug/L	0.27U	0.60	11/17/10 22:38	
Bromoform	ug/L	0.50U	1.0	11/17/10 22:38	
Bromomethane	ug/L	0.50U	1.0	11/17/10 22:38	
Carbon disulfide	ug/L	0.50U	1.0	11/17/10 22:38	
Carbon tetrachloride	ug/L	0.50U	1.0	11/17/10 22:38	
Chlorobenzene	ug/L	0.50U	1.0	11/17/10 22:38	
Chloroethane	ug/L	0.50U	1.0	11/17/10 22:38	
Chloroform	ug/L	0.50U	1.0	11/17/10 22:38	
Chloromethane	ug/L	0.62U	1.0	11/17/10 22:38	
Chloroprene	ug/L	0.50U	1.0	11/17/10 22:38	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	11/17/10 22:38	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	11/17/10 22:38	
Dibromochloromethane	ug/L	0.26U	0.50	11/17/10 22:38	
Dibromomethane	ug/L	0.50U	1.0	11/17/10 22:38	
Dichlorodifluoromethane	ug/L	0.50U	1.0	11/17/10 22:38	
Ethyl methacrylate	ug/L	0.50U	1.0	11/17/10 22:38	
Ethylbenzene	ug/L	0.50U	1.0	11/17/10 22:38	
Hexachloro-1,3-butadiene	ug/L	0.50U	1.0	11/17/10 22:38	
Iodomethane	ug/L	0.50U	1.0	11/17/10 22:38	
Isobutyl Alcohol	ug/L	10.0U	20.0	11/17/10 22:38	

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

METHOD BLANK: 142966 Matrix: Water

Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methacrylonitrile	ug/L	5.0U	10.0	11/17/10 22:38	
Methyl methacrylate	ug/L	5.0U	10.0	11/17/10 22:38	
Methylene Chloride	ug/L	2.5U	5.0	11/17/10 22:38	
Propionitrile	ug/L	5.0U	10.0	11/17/10 22:38	
Styrene	ug/L	0.50U	1.0	11/17/10 22:38	
Tetrachloroethene	ug/L	0.50U	1.0	11/17/10 22:38	
Toluene	ug/L	0.50U	1.0	11/17/10 22:38	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	11/17/10 22:38	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	11/17/10 22:38	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	11/17/10 22:38	
Trichloroethene	ug/L	0.50U	1.0	11/17/10 22:38	
Trichlorofluoromethane	ug/L	0.50U	1.0	11/17/10 22:38	
Vinyl acetate	ug/L	1.0U	2.0	11/17/10 22:38	
Vinyl chloride	ug/L	0.50U	1.0	11/17/10 22:38	
Xylene (Total)	ug/L	0.50U	1.0	11/17/10 22:38	
1,2-Dichloroethane-d4 (S)	%	117	86-125	11/17/10 22:38	
4-Bromofluorobenzene (S)	%	92	70-114	11/17/10 22:38	
Dibromofluoromethane (S)	%	108	88-117	11/17/10 22:38	
Toluene-d8 (S)	%	93	87-113	11/17/10 22:38	

LABORATORY CONTROL SAMPLE: 142967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.8	109	76.8-126.8	
1,1,1-Trichloroethane	ug/L	20	18.7	93	81.9-126.8	
1,1,2,2-Tetrachloroethane	ug/L	20	21.8	109	70.5-131.7	
1,1,2-Trichloroethane	ug/L	20	21.9	109	84.1-122.6	
1,1-Dichloroethane	ug/L	20	19.6	98	66.4-138.6	
1,1-Dichloroethene	ug/L	20	20.0	100	79.3-127.5	
1,1-Dichloropropene	ug/L	20	19.5	97	70.4-138.4	
1,2,3-Trichloropropane	ug/L	20	21.7	109	58.2-134.6	
1,2,4-Trichlorobenzene	ug/L	20	21.7	108	79.1-134.1	
1,2-Dichloroethane	ug/L	20	19.4	97	85.9-121.9	
1,2-Dichloropropane	ug/L	20	19.2	96	82.2-129.1	
1,3-Dichloropropane	ug/L	20	21.5	107	88.1-118.2	
2,2-Dichloropropane	ug/L	20	19.1	96	44-181.7	
2-Butanone (MEK)	ug/L	20	25.1	125	53.8-156.3	
2-Hexanone	ug/L	20	21.2	106	57.5-155.8	
4-Methyl-2-pentanone (MIBK)	ug/L	20	21.1	105	71.8-134.4	
Acetone	ug/L	20	20.7	104	47.2-184.1	
Acetonitrile	ug/L	200	193	96	65.2-133.1	
Acrolein	ug/L	200	215	107	41.8-131.7	
Acrylonitrile	ug/L	200	213	106	57.8-125.9	
Allyl chloride	ug/L	20	19.2	96	23.6-190.7	
Benzene	ug/L	20	18.7	93	77.3-132.8	

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

LABORATORY CONTROL SAMPLE: 142967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromochloromethane	ug/L	20	20.7	104	87.4-122.8	
Bromodichloromethane	ug/L	20	19.9	99	77.2-121.1	
Bromoform	ug/L	20	18.7	93	65.9-133.5	
Bromomethane	ug/L	20	19.5	97	48.2-223.9	
Carbon disulfide	ug/L	20	17.9	90	20.3-195.4	
Carbon tetrachloride	ug/L	20	19.5	97	69-155.5	
Chlorobenzene	ug/L	20	20.2	101	76.9-123.9	
Chloroethane	ug/L	20	17.7	89	46.7-157.8	
Chloroform	ug/L	20	18.6	93	69.7-132	
Chloromethane	ug/L	20	17.8	89	54.4-153.8	
Chloroprene	ug/L	20	19.5	98	31-185.4	
cis-1,2-Dichloroethene	ug/L	20	20.9	104	84-127.9	
cis-1,3-Dichloropropene	ug/L	20	19.3	97	73-121.6	
Dibromochloromethane	ug/L	20	20.0	100	65.4-126.2	
Dibromomethane	ug/L	20	20.0	100	85.3-121.7	
Dichlorodifluoromethane	ug/L	20	18.9	94	63.1-143.7	
Ethyl methacrylate	ug/L	20	20.5	102	34.3-179.4	
Ethylbenzene	ug/L	20	21.4	107	66.4-134.4	
Hexachloro-1,3-butadiene	ug/L	20	19.8	99	74.4-153.6	
Iodomethane	ug/L	20	20.7	103	1-243.3	
Isobutyl Alcohol	ug/L	400	380	95	62.9-136.1	
Methacrylonitrile	ug/L	200	222	111	77.3-132.6	
Methyl methacrylate	ug/L	20	19.2	96	37.4-178.3	
Methylene Chloride	ug/L	20	19.0	95	65.7-137.3	
Propionitrile	ug/L	200	222	111	71-130.3	
Styrene	ug/L	20	21.2	106	76.5-118.5	
Tetrachloroethene	ug/L	20	20.4	102	71-134	
Toluene	ug/L	20	20.8	104	75-129	
trans-1,2-Dichloroethene	ug/L	20	19.3	96	83.3-126.3	
trans-1,3-Dichloropropene	ug/L	20	20.8	104	67.6-130	
trans-1,4-Dichloro-2-butene	ug/L	20	16.1	80	36.1-177.4	
Trichloroethene	ug/L	20	19.3	96	81.1-122.4	
Trichlorofluoromethane	ug/L	20	20.0	100	75.4-124.6	
Vinyl acetate	ug/L	20	22.8	114	72.2-139	
Vinyl chloride	ug/L	20	19.1	95	70.2-136.9	
Xylene (Total)	ug/L	60	61.0	102	82.3-126	
1,2-Dichloroethane-d4 (S)	%			100	86-125	
4-Bromofluorobenzene (S)	%			98	70-114	
Dibromofluoromethane (S)	%			101	88-117	
Toluene-d8 (S)	%			96	87-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 142968 142969

Parameter	Units	3521204036 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	20	24.5	22.6	122	113	70-130	8	40	
1,1,1-Trichloroethane	ug/L	0.50U	20	20	21.7	21.0	109	105	70-130	3	40	

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

QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 142968 142969

Parameter	Units	3521204036 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,2,2-Tetrachloroethane	ug/L	0.18U	20	20	20.0	19.5	100	98	70-130	3	40	
1,1,2-Trichloroethane	ug/L	0.50U	20	20	22.3	21.7	111	109	70-130	3	40	
1,1-Dichloroethane	ug/L	0.50U	20	20	20.9	20.9	105	104	70-130	.2	40	
1,1-Dichloroethene	ug/L	0.50U	20	20	22.3	21.9	112	110	70-130	2	40	
1,1-Dichloropropene	ug/L	0.50U	20	20	22.3	20.3	111	102	70-130	9	40	
1,2,3-Trichloropropane	ug/L	0.36U	20	20	21.0	20.5	105	103	70-130	2	40	
1,2,4-Trichlorobenzene	ug/L	0.50U	20	20	19.5	19.8	98	99	70-130	1	40	
1,2-Dichloroethane	ug/L	0.50U	20	20	20.6	21.0	103	105	70-130	2	40	
1,2-Dichloropropane	ug/L	0.50U	20	20	21.6	20.4	108	102	70-130	6	40	
1,3-Dichloropropane	ug/L	0.50U	20	20	22.5	21.4	112	107	70-130	5	40	
2,2-Dichloropropane	ug/L	0.50U	20	20	22.8	20.3	114	101	70-130	12	40	
2-Butanone (MEK)	ug/L	5.0U	20	20	19.5	18.5	97	92	70-130	5	40	
2-Hexanone	ug/L	5.0U	20	20	18.0	19.8	90	99	70-130	10	40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	20	20	19.9	20.6	99	103	70-130	4	40	
Acetone	ug/L	5.0U	20	20	16.8	19.6	61	75	70-130	15	40	J(M1)
Acetonitrile	ug/L	5.0U	200	200	179	204	90	102	70-130	13	40	
Acrolein	ug/L	10.0U	200	200	232	234	116	117	70-130	.6	40	
Acrylonitrile	ug/L	5.0U	200	200	207	236	103	118	70-130	13	40	
Allyl chloride	ug/L	0.50U	20	20	19.8	21.8	99	109	70-130	9	40	
Benzene	ug/L	0.50U	20	20	20.8	20.4	104	102	70-130	2	40	
Bromochloromethane	ug/L	0.50U	20	20	20.8	21.6	104	108	70-130	4	40	
Bromodichloromethane	ug/L	0.27U	20	20	22.4	20.8	112	104	70-130	7	40	
Bromoform	ug/L	0.50U	20	20	20.3	18.1	102	90	70-130	12	40	
Bromomethane	ug/L	0.50U	20	20	19.3	17.3	96	87	70-130	11	40	
Carbon disulfide	ug/L	0.50U	20	20	19.7	21.5	97	106	70-130	9	40	
Carbon tetrachloride	ug/L	0.50U	20	20	22.6	22.7	113	114	70-130	.5	40	
Chlorobenzene	ug/L	0.50U	20	20	22.3	20.8	112	104	70-130	7	40	
Chloroethane	ug/L	0.50U	20	20	21.1	20.1	105	100	70-130	5	40	
Chloroform	ug/L	0.50U	20	20	20.2	20.3	101	101	70-130	.4	40	
Chloromethane	ug/L	0.62U	20	20	19.3	19.2	94	94	70-130	.5	40	
Chloroprene	ug/L	0.50U	20	20	20.6	20.5	103	103	70-130	.2	40	
cis-1,2-Dichloroethene	ug/L	0.50U	20	20	23.0	22.0	115	110	70-130	4	40	
cis-1,3-Dichloropropene	ug/L	0.25U	20	20	20.5	19.1	102	96	70-130	7	40	
Dibromochloromethane	ug/L	0.26U	20	20	21.2	19.4	106	97	70-130	9	40	
Dibromomethane	ug/L	0.50U	20	20	21.7	21.5	108	107	70-130	1	40	
Dichlorodifluoromethane	ug/L	0.50U	20	20	24.9	22.3	125	112	70-130	11	40	
Ethyl methacrylate	ug/L	0.50U	20	20	18.4	19.3	92	96	70-130	5	40	
Ethylbenzene	ug/L	0.50U	20	20	23.5	21.6	117	108	70-130	8	40	
Hexachloro-1,3-butadiene	ug/L	0.50U	20	20	18.4	20.2	92	101	70-130	10	40	
Iodomethane	ug/L	0.50U	20	20	19.7	20.5	99	103	70-130	4	40	
Isobutyl Alcohol	ug/L	10.0U	400	400	360	384	90	96	70-130	6	40	
Methacrylonitrile	ug/L	5.0U	200	200	210	243	105	121	70-130	15	40	
Methyl methacrylate	ug/L	5.0U	20	20	17.2	19.5	86	98	70-130	13	40	
Methylene Chloride	ug/L	2.5U	20	20	20.5	20.6	102	102	70-130	.3	40	
Propionitrile	ug/L	5.0U	200	200	177	202	88	101	70-130	13	40	
Styrene	ug/L	0.50U	20	20	23.2	21.2	116	106	70-130	9	40	
Tetrachloroethene	ug/L	0.50U	20	20	22.3	20.7	111	103	70-130	7	40	

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 142968 142969

Parameter	Units	3521204036 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene	ug/L	2.4	20	20	24.6	25.4	111	115	70-130	4	40	
trans-1,2-Dichloroethene	ug/L	0.50U	20	20	22.1	21.8	111	109	70-130	1	40	
trans-1,3-Dichloropropene	ug/L	0.25U	20	20	22.3	19.7	111	99	70-130	12	40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	20	18.5	19.0	93	95	70-130	3	40	
Trichloroethene	ug/L	0.50U	20	20	21.0	21.1	105	105	70-130	.3	40	
Trichlorofluoromethane	ug/L	0.50U	20	20	23.4	23.1	117	115	70-130	1	40	
Vinyl acetate	ug/L	1.0U	20	20	19.7	19.4	99	97	70-130	2	40	
Vinyl chloride	ug/L	0.50U	20	20	22.0	20.7	110	103	70-130	6	40	
Xylene (Total)	ug/L	0.50U	60	60	67.2	61.5	112	103	70-130	9	40	
1,2-Dichloroethane-d4 (S)	%						104	110	86-125			
4-Bromofluorobenzene (S)	%						102	95	70-114			
Dibromofluoromethane (S)	%						102	107	88-117			
Toluene-d8 (S)	%						97	102	87-113			

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

QC Batch: TAMP/1961
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Diss. Solids Tampa
Associated Lab Samples: 3521811001, 3521811002

METHOD BLANK: 141606
Matrix: Water
Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	11/15/10 09:46	

LABORATORY CONTROL SAMPLE: 141607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	283	94	90-110	

SAMPLE DUPLICATE: 141608

Parameter	Units	3521739022 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	680	640	6	20	

SAMPLE DUPLICATE: 141609

Parameter	Units	3521739030 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	788	810	3	20	

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

QC Batch: WET/6085 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 3521811001, 3521811002

METHOD BLANK: 140326 Matrix: Water
Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	5.0U	5.0	11/11/10 07:56	

LABORATORY CONTROL SAMPLE: 140327

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	250	249	100	90-110	

MATRIX SPIKE SAMPLE: 140329

Parameter	Units	3521799001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	292	250	498	82	90-110	J(M1)

MATRIX SPIKE SAMPLE: 140331

Parameter	Units	3521817001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	5.0U	250	252	99	90-110	

SAMPLE DUPLICATE: 140328

Parameter	Units	3521799001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	292	293	.4	20	

SAMPLE DUPLICATE: 140330

Parameter	Units	3521817001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	5.0U	5.0U		20	

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

QC Batch: WET/6134
QC Batch Method: EPA 9034
Analysis Method: EPA 9034
Analysis Description: 9034 Sulfide Water
Associated Lab Samples: 3521811001, 3521811002

METHOD BLANK: 141659 Matrix: Water
Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	1.0U	1.0	11/15/10 12:00	

LABORATORY CONTROL SAMPLE: 141660

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	6	5.6	93	80-120	

MATRIX SPIKE SAMPLE: 141662

Parameter	Units	3521811001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	1.0U	30	28.2	91	80-120	

SAMPLE DUPLICATE: 141661

Parameter	Units	3521811001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide	mg/L	1.0U	2.0U		20	

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

QC Batch: WETA/7248 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 3521811001, 3521811002

METHOD BLANK: 140050 Matrix: Water
Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	0.025U	0.050	11/10/10 18:13	

LABORATORY CONTROL SAMPLE: 140051

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	5.0	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 140052 140053

Parameter	Units	3520442025 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.13	5	5	5.0	4.9	96	96	90-110	.08	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 140054 140055

Parameter	Units	3521836001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	7.0	5	5	12.8	12.8	115	115	90-110	.2	20	J(M1)

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

QC Batch: WETA/7269
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Associated Lab Samples: 3521811001, 3521811002

METHOD BLANK: 140522 Matrix: Water
Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5U	5.0	11/10/10 18:13	

LABORATORY CONTROL SAMPLE: 140523

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 140524 140525

Parameter	Units	3520442025 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	11.5	50	50	66.0	65.9	109	109	90-110	.2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 140526 140527

Parameter	Units	3521204036 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	6.0	50	50	106	106	199	199	90-110	.03	20	J(M1)

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

QC Batch: WETA/7283 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 3521811001, 3521811002

METHOD BLANK: 141012 Matrix: Water
Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.050	11/12/10 13:49	

LABORATORY CONTROL SAMPLE: 141013

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.98	98	90-110	

MATRIX SPIKE SAMPLE: 141015

Parameter	Units	3521739057 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.26	1	1.2	95	90-110	

SAMPLE DUPLICATE: 141014

Parameter	Units	3521739057 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.26	0.27	4	20	

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QUALITY CONTROL DATA

Project: Exterior, Interior
Pace Project No.: 3521811

QC Batch: WETA/7344 Analysis Method: EPA 9012
QC Batch Method: EPA 9012 Analysis Description: 9012 Cyanide
Associated Lab Samples: 3521811001, 3521811002

METHOD BLANK: 142105 Matrix: Water
Associated Lab Samples: 3521811001, 3521811002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	0.0050U	0.010	11/18/10 17:13	

LABORATORY CONTROL SAMPLE: 142106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.05	0.048	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 142107 142108

Parameter	Units	3521811001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	0.0050 U	.05	.05	0.051	0.049	98	95	80-120	3	20	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Exterior, Interior
Pace Project No.: 3521811

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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.

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LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach
PASI-T	Pace Analytical Services - Tampa

ANALYTE QUALIFIERS

1p	Analyte recovery in the LCS exceeds control limit criteria. Reporting data based on acceptable MS/MSD recovery.
2p	The internal standard response associated with this result exceeds the lower control limit. However, the data is accepted based on surrogate compound recovery meeting control limits.
3p	The internal standard response associated with this result exceeds the upper control limit. However, the data is accepted based on surrogate compound recovery meeting control limits.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D4	Sample was diluted due to the presence of high levels of target analytes.
J(L0)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(SS)	Estimated Value. This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Exterior, Interior
Pace Project No.: 3521811

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3521811001	Exterior	EPA 8011	OEXT/3529	EPA 8011	GCSV/2708
3521811002	Interior	EPA 8011	OEXT/3529	EPA 8011	GCSV/2708
3521811001	Exterior	EPA 3510	OEXT/3504	EPA 8081	GCSV/2728
3521811002	Interior	EPA 3510	OEXT/3504	EPA 8081	GCSV/2728
3521811001	Exterior	EPA 3510	OEXT/3505	EPA 8082	GCSV/2729
3521811002	Interior	EPA 3510	OEXT/3505	EPA 8082	GCSV/2729
3521811001	Exterior	EPA 3510	OEXT/3517	EPA 8141	GCSV/2752
3521811002	Interior	EPA 3510	OEXT/3517	EPA 8141	GCSV/2752
3521811001	Exterior	EPA 8151	OEXT/3481	EPA 8151	GCSV/2683
3521811002	Interior	EPA 8151	OEXT/3481	EPA 8151	GCSV/2683
3521811001	Exterior	EPA 3010	MPRP/3578	EPA 6010	ICP/2680
3521811002	Interior	EPA 3010	MPRP/3578	EPA 6010	ICP/2680
3521811001	Exterior	EPA 3010	MPRP/3577	EPA 6020	ICPM/1858
3521811002	Interior	EPA 3010	MPRP/3577	EPA 6020	ICPM/1858
3521811001	Exterior	EPA 7470	MERP/1609	EPA 7470	MERC/1615
3521811002	Interior	EPA 7470	MERP/1609	EPA 7470	MERC/1615
3521811001	Exterior	EPA 3510	OEXT/3498	EPA 8270	MSSV/1789
3521811002	Interior	EPA 3510	OEXT/3498	EPA 8270	MSSV/1789
3521811001	Exterior	EPA 8260	MSV/2383		
3521811002	Interior	EPA 8260	MSV/2383		
3521811001	Exterior	SM 2540C	TAMP/1961		
3521811002	Interior	SM 2540C	TAMP/1961		
3521811001	Exterior	SM 2320B	WET/6085		
3521811002	Interior	SM 2320B	WET/6085		
3521811001	Exterior	EPA 9034	WET/6134		
3521811002	Interior	EPA 9034	WET/6134		
3521811001	Exterior	EPA 300.0	WETA/7248		
3521811002	Interior	EPA 300.0	WETA/7248		
3521811001	Exterior	EPA 300.0	WETA/7269		
3521811002	Interior	EPA 300.0	WETA/7269		
3521811001	Exterior	EPA 350.1	WETA/7283		
3521811002	Interior	EPA 350.1	WETA/7283		
3521811001	Exterior	EPA 9012	WETA/7344	EPA 9012	WETA/7400
3521811002	Interior	EPA 9012	WETA/7344	EPA 9012	WETA/7400

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CHAIN-OF-CUSTODY / Analytical Request Document

3521811

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

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Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Volusia County SW	Report To: Jennifer Stirk	Attention:
Address: 1990 Tomoka Farms Rd Port Orange FL 32128	Copy To:	Company Name:
Email To: jstirk@co.volusia.fl.us	Purchase Order No.:	Address:
Phone: 3869472552 Fax: 3869472955	Project Name:	Pace Quote Reference:
Requested Due Date/TAT:	Project Number:	Pace Project Manager:
		Pace Profile #: 1590

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

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

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Sulfide	Sulfate, Chloride	Nitrate, Chloride	Cr(VI) Metals	Nitrogen, NH3	Chloride, TDS	VOC, EDB	Chlorinated Herb	Semi Vol	Organochlor. Pest	90B1/8082	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Exterior	WT	G	11/9/10	1150				19	X	X	X		X					X	X	X	X	X	X	X	X	X	
2	Interior	WT	G	11/9/10	210				19	X	X	X		X					X	X	X	X	X	X	X	X	X	
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	SAMPLING KIT-EMPTY						
	J Floyd	11/9/10	3:15	J Floyd	12:15		
	J Floyd	11/9/10	3:15		11/9/10	1515	
					11/9/10	1605	4.6

ORIGINAL

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Jason Floyd				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	11/9/10		

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

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

L-5

Sample Condition Upon Receipt Form (SCUR)

Table Number:_____

Pace Analytical

Client Name: Volusia County Project # 352811

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ B&B ☐ Other_____

Tracking # _____

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

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☑ Other_____

Thermometer Used L4 ● L6 Type of Ice: (Wet) Blue None

Cooler Temperature 0.3 (Actual) (Temp should be above freezing to 6°C)

Date and Initials of person examining contents: 11/10/10 K.T.

Secondary Review Initials:_____

Receipt of samples satisfactory: ☑ Yes ☐ No

Rush TAT requested on COC: ☐

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: 11/10/10

Finished Product Information Only

F.P. Sample ID:_____

Production Code:_____

Date/Time Opened:_____

Number of Unopened Bottles Remaining:_____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

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