Sarasota County

Central County Solid Waste Disposal Complex

Permit Number: 0130542-022-SO/01

WACS ID: SWD/58/51614

2014 Semi-Annual Groundwater Report (January – June 2014)

2014 Semi-Annual Surface Water Report (January – June 2014)

July 2014

Sarasota County Solid Waste Operations
4000 Knights Trail Rd
Nokomis Florida 34275

Sarasota County

SARASOTA COUNTY

"Dedicated to Quality Service"

July 31, 2014

James Standiford
Solid Waste Section
Department of Environmental Protection
South District Office
2295 Victoria Avenue, Suite 364
Fort Myers, Florida 33902-2549

RE: Central County Solid Waste Disposal Complex
Permit Number 130542-022-SO/01
1st Semi-Annual Groundwater Report (January – June 2014)
1st Semi-Annual Surface Water Report (January – June 2014)

Dear Mr. Standiford:

Enclosed are the 1st Semi-Annual Groundwater and Surface Water Monitoring Reports for 2014 as specified in Appendix 3.II and 3.III, respectively, of the permit. Included as well are the associated ADaPT files as specified in Appendix 3.V.E.7 of the permit.

You will find included in this report; the Water Quality Monitoring Certification form, *Exceedence of MCLs Summary* table (Table 1), water elevation table and signed/sealed groundwater contour map, field sampling logs, and laboratory results provided by Pace Analytical and Benchmark EnviroAnalytical, Inc.

Samples were collected from May 1st through May 29th, 2014. On May 16th, 2014, MW-1R, MW-8A, MW-9 and MW-10R were resampled by Pace personnel for nitrates due to the original samples unintentionally being let out of hold at the laboratory. On May 29th, 2014, MW-1R, MW-8A, MW-9 and MW-10R were once again resampled by Pace for total dissolved solids due to the original samples unintentionally being let out of hold at the laboratory. On May 20th, 2014 Pond 1 and Pond 2 were resampled by Pace for BOD and chlorophyll A due to the original samples unintentionally being let out of hold at the laboratory. Pace has submitted a corrective action plan to the County regarding these issues.

On April 25, 2014, replacement well, MW-18R, and the new Natural Attenuation Monitoring Well, NAM-4, were installed. As per Specific Condition D.5.b of the permit, NAM-4 was sampled on May 1, 2014, within one week of well completion.

All exceedences for groundwater were for the field parameter pH and are within background or historical water quality values. There were no exceedences for surface water parameters.

Specific Condition D.1 and 2 of the permit establishes primary and secondary zones of discharge as well as alternative background concentrations for four parameters. The primary zone of discharge shall not have Class G-II water quality standards and background water quality concentrations exceeded outside the boundary except for the following parameters: ammonia-N, arsenic, iron, TDS and

manganese. Alternative background concentrations have also been established for sodium and chloride, at 456 mg/L and 643 mg/L, respectively.
The secondary zone of discharge shall not have Class G-II water quality standards and background water quality concentrations exceeded outside the boundary for the following parameters: ammonia-N, arsenic, iron, TDS and manganese. Alternative background concentrations have also been established for iron and total dissolved solids, at 6.3 mg/L and 1924 mg/L, respectively. Once these Specific Conditions are applied to the sampling results only pH remains as an exceedence. The ADaPT program cannot accommodate these site specific Specific Conditions, therefore the ADaPT files will contain many more exceedences which are not in this report.

If you have any questions or concerns, please contact me at (941) 650-4799 or aegglest@scgov.net.

Sincerely,

Alison J. Eggleston
Environmental Specialist

cc: FDEP, Solid Waste, Tallahassee, FL
cc: FDEP, Solid Waste, South District, Mark Sautter
Enc
CD-RW

Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(31), F.A.C.
Form Title: Water Quality Monitoring Certification
Effective Date: January 6, 2010
Incorporated in Rule 62-701.510(9), F.A.C.

WATER QUALITY MONITORING CERTIFICATION

PART I GENERAL INFORMATION

(1) Facility Name Central County Solid Waste Disposal Complex, Class I Landfill Operation

Address 4000 Knights Trail Rd

City Nokomis Zip 34275 County Sarasota

Telephone Number (941)861-1573

(2) WACS Facility ID SWD/58/51614

(3) DEP Permit Number 130542-007-SO/01

(4) Authorized Representative's Name Alison J. Eggleston Title Environmental Specialist

Address 4000 Knights Trail Rd

City Nokomis Zip 34275 County Sarasota

Telephone Number (941)650-4799

Email address (if available) aegglest@scgov.net

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submission of false information including the possibility of fine and imprisonment.

7/31/2014
(Date)

Alison J. Eggleston
(Owner or Authorized Representative's Signature)

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Sarasota County

Analytical Lab NELAC / HRS Certification # E83079 E84167

Lab Name PAS, Inc Benchmark EnviroAnalytical, Inc

Address 8 East Tower Circle, Ormond Beach, FL 32174 1711 12th Street East, Palmetto, FL 34221

Phone Number (386)672-5668 (941) 723-9986

Email address (if available)

TABLE 1
CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX
EXCEEDENCE OF MCLs SUMMARY

2014 - 1st Semi-Annual Groundwater Evaluation Monitoring Report - Groundwater Monitoring Wells

		20585	21455	4509	4510	23031	23032	23033	29095	27140	27141
		Background	Detection	Detection	Detection	Detection	Detection	Detection	Detection	Detection	Detection
Parameter	MCL	MW-1R	MW-8A	MW-9	MW-10R	MW-15	MW-16	MW-17	MW-18R	MW-19A	MW-20A
pH	6.5-8.5		6.34		6.47	6.43	6.30	6.40	6.12		
Sodium	456 mg/l*										
Chloride	643 mg/l*										

* Alternative MCL's as established in section D.3 of the permit

2014 - 1st Semi-Annual Groundwater Evaluation Monitoring Report - Natural Attenuation Monitoring Wells

		29091	29092	29093	29094
		NAM	NAM	NAM	NAM
Parameter	MCL	NAM-1	NAM-2	NAM-3	NAM-4
Total Ammonia	2.8 mg/l				
Iron	6.3 mg/l*				
Manganese	50 ug/l				
Arsenic	10 ug/l				
Solids, Total Dissolved	1924 mg/l*				

* Alternative MCL's as established in section D.3 of the permit

2014 - 1st Semi-Annual Surface Water Evaluation Monitoring Report

		28824	28825
		Surface water	Surface water
Parameter	MCL	Pond 1	Pond 2

There were no exceedences for Surface Water.

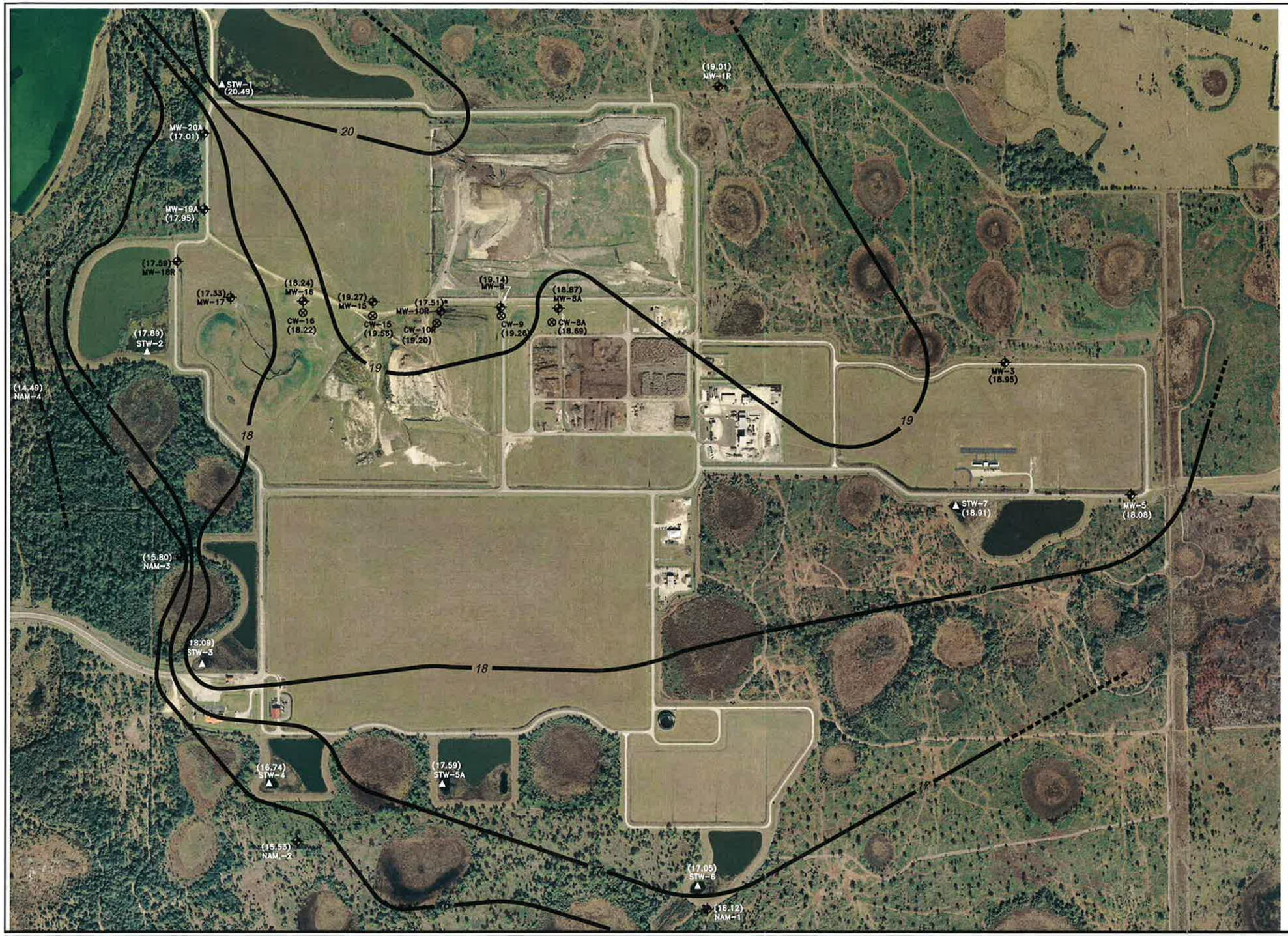
Central County Solid Waste Disposal Complex
Water Elevation Table

Well	Depth to Water (ft)	Top of Casing (ft)	Calculated Water Elevation (ft)
MW-3	4.39	23.340	18.95
MW-5	5.11	23.190	18.08
MW-1R	5.42	24.428	19.01
MW-8A	16.53	35.400	18.87
MW-9	12.94	32.08	19.14
MW-10R	21.98	39.49	17.51
CW-8A	16.35	35.040	18.69
CW-9	7.32	26.582	19.26
CW-10R	7.78	26.982	19.20
MW-15	25.05	44.320	19.27
MW-16	25.49	43.730	18.24
MW-17	28.82	46.150	17.33
MW-18R	10.74	28.330	17.59
CW-15	10.61	30.173	19.56
CW-16	11.36	29.578	18.22
MW-19A	9.57	27.52	17.95
MW-20A	10.37	27.38	17.01
NAM-1	3.75	19.87	16.12
NAM-2	4.49	20.02	15.53
NAM-3	4.82	20.62	15.80
NAM-4	8.17	22.66	14.49

Staff Gauge	Staff Gauge Reading (ft)	Staff Gauge Elevation (ft)	Calculated Water Elevation (ft)
STW1	2.30	21.187 (3')	20.49
STW1A	Staff Gauge was missing	21.23 (4')	
STW2	1.58	20.305 (4')	17.89
STW2A	Blocked by aquatic plants	20.18 (5')	
STW3	1.90	20.191 (4')	18.09
STW3A	3.62	18.43 (4')	18.05
STW4	1.40	19.342 (4')	16.74
STW4A	3.45	17.35 (4')	16.80
STW5A	1.80	19.788 (4')	17.59
STW5B	3.60	18.04 (4')	17.64
STW6	1.68	19.37 (4')	17.05
STW6A	4.36	17.67 (5')	17.03
STW7	0.62	22.287 (4')	18.91
STW7A	3.85	19.02 (4')	18.87

No value indicates that there was no water at the staff gauge location.

Measured by Alison Eggleston on 05/16/2014



600 0 150 300

GRAPHIC SCALE
SCALE: 1" = 300'

LEGEND:

- ⊕ MONITORING WELL WITH GROUNDWATER ELEVATION (FT-NGVD)
- ⊗ COMPLIANCE WELL WITH GROUDWATER ELEVATION (FT-NGVD)
- ⊕ PIEZOMETERS WITH GROUNDWATER ELEVATION (FT-NGVD)
- ▲ MONITORING POINT WITH SURFACE WATER ELEVATION (FT-NGVD)
- 18 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

NOTE:

1. GROUNDWATER DATA FROM MAY 16, 2014
2. GROUNDWATER ELEVATION GIVEN IN PARENTHESES

* MW-10R NOT CONTOURED DUE TO ANOMALY

Bradley D. Bupp
PE 1733
6-16-14

FT-NGVD = FEET ABOVE NATIONAL GEODETIC VERTICAL DATUM

ATKINS	SARASOTA COUNTY CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX	**GROUNDWATER CONTOUR MAP MAY 2014**	FIGURE 1

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **CCSWDC**	SITE LOCATION: **4000 Knights Trail Road, Nokomis FL 34275**	
WELL NO: **MW-9**	SAMPLE ID: **4509**	DATE: 5/9/14

PURGING DATA

WELL DIAMETER (inches): **2.0**	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 12.96	PURGE PUMP TYPE OR BAILER: **PP**

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.8 ~~23.58~~ feet – 12.96 feet) X **0.16** gallons/foot = 1.6 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.0	PURGING INITIATED AT: 0808	PURGING ENDED AT: 0831	TOTAL VOLUME PURGED (gallons): 2.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0813	1.7	1.7	0.11	13.43	6.57	26.62	1961	0.32	2.11	none	none/ sheen
0827	0.4	2.1	0.11	13.43	6.56	26.73	1962	0.27	2.45	↓	↓
0831	0.4	2.5	0.11	13.43	6.54	26.80	1964	0.27	2.16	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **Alison Eggleston / Sarasota County**	SAMPLER(S) SIGNATURE(S): Alison J Eggleston	SAMPLING INITIATED AT: 0832	SAMPLING ENDED AT: 0846
PUMP OR TUBING DEPTH IN WELL (feet): 14.0	TUBING MATERIAL CODE: **PE & S**	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	RFPP	<100
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	RFPP	<100
F	1	PE	500 mL	HNO3	NA		Metals	APP	400
G	1	PE	250 mL	H2SO4	NA		Nutrients Total Ammonia	APP	400
H	1	PE	1L	NA	NA	NA	Misc Inorganics	APP	400

REMARKS: total well depth measured in field 5/2/14 – 22.8')

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **CCSWDC**	SITE LOCATION: **4000 Knights Trail Road, Nokomis FL 34275**	
WELL NO: **MW-10R**	SAMPLE ID: **4510**	DATE: 5/9/14

PURGING DATA

WELL DIAMETER (inches): **2.0**	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 20.82	PURGE PUMP TYPE OR BAILER: ~~PP~~ ESP AE

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (30.2 ~~18.65~~ feet – 20.82 feet) X **0.16** gallons/foot = 1.5 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21.8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21.8	PURGING INITIATED AT: 0923	PURGING ENDED AT: 0952	TOTAL VOLUME PURGED (gallons): 2.4

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or ~~µS/cm~~	DISSOLVED OXYGEN (circle units) mg/L or ~~% saturation~~	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0942	1.5	1.5	0.08	21.26	6.47	27.11	1503	0.14	1.07	pale amber	none/sheen
0947	0.4	1.9	0.08	↓	6.47	27.24	1483	0.15	0.94	↓	↓
0952	0.4	2.4	0.08	<21.8	6.47	27.30	1473	0.13	1.02	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **Alison Eggleston / Sarasota County**	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 0954	SAMPLING ENDED AT: 1005
PUMP OR TUBING DEPTH IN WELL (feet): 21.8	TUBING MATERIAL CODE: **PE** ~~& S~~ AE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	ESP ~~RFPP~~	<300
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	↓ ~~RFPP~~	<300
F	1	PE	500 mL	HNO3	NA	—	Metals	APP	300
G	1	PE	250 mL	H2SO4	NA	—	Nutrients Total Ammonia	~~APP~~	300
H	1	PE	1L	NA	NA	NA	Misc Inorganics	~~APP~~	300

REMARKS: total well depth measured in field 5/2/14 – 30.2'

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

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

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

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

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

Revision Date: February 12, 2009

15.5Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **CCSWDC**	SITE LOCATION: **4000 Knights Trail Road, Nokomis FL 34275**	
WELL NO: **MW-8A**	SAMPLE ID: **21453**	DATE: 05/09/14

PURGING DATA

WELL DIAMETER (inches): **2.0**	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 16.64	PURGE PUMP TYPE OR BAILER: **PP**

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (**22.40** feet – 16.64 feet) X **0.16** gallons/foot = 0.9 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 17.6	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 17.6	PURGING INITIATED AT: 1042	PURGING ENDED AT: 1102	TOTAL VOLUME PURGED (gallons): 1.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (mS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1054	1.0	1.0	0.08	17.26	6.31	25.82	1706	0.36	6.71	pale yellow	none
1058	AE 0.403	1.3	0.08	17.26	6.32	25.80	1709	0.32	6.95		
1102	AE 0.303	AE 1.3 1.6	0.08	17.26	6.34	25.74	1723	0.25	6.85		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **Alison Eggleston / Sarasota County**	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1103	SAMPLING ENDED AT: 1117
PUMP OR TUBING DEPTH IN WELL (feet): 17.6	TUBING MATERIAL CODE: **PE & S**	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	RFPP	100
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	RFPP	100
F	1	PE	500 mL	HNO3	NA	—	Metals	APP	300
G	1	PE	250 mL	H2SO4	NA	—	Nutrients Total Ammonia	APP	300
H	1	PE	1L	NA	NA	NA	Misc Inorganics	APP	300

REMARKS:

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **CCSWDC**	SITE LOCATION: **4000 Knights Trail Road, Nokomis FL 34275**	
WELL NO: **MW-1R**	SAMPLE ID: **20585**	DATE: 05/09/14

PURGING DATA

WELL DIAMETER (inches): **2.0**	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.28	PURGE PUMP TYPE OR BAILER: **PP**

WELL VOLUME PURGE: **1 WELL VOLUME** = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (**15.7** feet – 5.28 feet) X **0.16** gallons/foot = 1.7 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6.3	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.5	PURGING INITIATED AT: 1148	PURGING ENDED AT: 1240	TOTAL VOLUME PURGED (gallons): 4.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1210	1.8	1.8	0.08	6.16	6.89	24.42	415	2.75	7.78	pale Brown	none
1216	0.5	2.3	0.08	6.18	6.91	24.42	441	2.29	6.95	↓	↓
1222	0.5	2.8	0.08	6.21	6.91	24.42	456	2.05	9.17		
1228	0.5	3.3	0.08	6.22	6.92	24.57	478	1.74	7.58		
1234	0.5	3.8	0.08	6.22	6.92	24.55	490	1.56	5.29		
1240	0.5	4.3	0.08	6.22	6.92	24.52	502	1.49	7.82	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **Alison Eggleston / Sarasota County**	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1241	SAMPLING ENDED AT: 1253
PUMP OR TUBING DEPTH IN WELL (feet): 6.5	TUBING MATERIAL CODE: PE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	RFPP	<100
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	RFPP	<100
F	1	PE	500 mL	HNO3	NA	—	Metals	APP	300
G	1	PE	250 mL	H2SO4	NA	—	Nutrients Total Ammonia	APP	300
H	1	PE	1L	NA	NA	NA	Misc Inorganics	APP	300

REMARKS: Well depth measured 5/2010.

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **CCSWDC**	SITE LOCATION: **4000 Knights Trail Road**	
WELL NO: **MW-15**	SAMPLE ID: **23031**	DATE: 05/07/14

PURGING DATA

WELL DIAMETER (inches): **2.0**	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 25.15	PURGE PUMP TYPE OR BAILER: **ESP**

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (**30.5** feet – 25.15 feet) X **0.16** gallons/foot = 0.9 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26.2	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26.2	PURGING INITIATED AT: 1311	PURGING ENDED AT: 1339	TOTAL VOLUME PURGED (gallons): 1.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1329	0.9	0.9	0.05	25.49	6.42	28.68	2401	0.26	9.08	pale brown	no sheen
1334	0.3	1.2	0.05	25.49	6.43	28.87	2458	0.21	5.23	↓	↓
1339	0.3	1.5	0.05	25.49	6.43	28.75	2482	0.17	3.87	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **Alison Eggleston / Sarasota County**	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1340	SAMPLING ENDED AT: 1355
PUMP OR TUBING DEPTH IN WELL (feet): 26.2	TUBING MATERIAL CODE: (PE)	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	ESP RFPP	200
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	~~RFPP~~	200
F	1	PE	500 mL	HNO3	NA	—	Metals	~~APP~~	200
G	1	PE	250 mL	H2SO4	NA	—	Nutrients Total Ammonia	~~APP~~	200
H	1	PE	1L	NA	NA	NA	Misc Inorganics	~~APP~~	200

REMARKS:

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **CCSWDC**	SITE LOCATION: **4000 Knights Trail Road**	
WELL NO: **MW-16**	SAMPLE ID: **23032**	DATE: 05/07/14

PURGING DATA

WELL DIAMETER (inches): **2.0**	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 25.62	PURGE PUMP TYPE OR BAILER: **ESP**

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

= (**30.3** feet – 25.62 feet) X **0.16** gallons/foot = 0.75 0.8 AE gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26.6	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26.6	PURGING INITIATED AT: 1125	PURGING ENDED AT: 1147	TOTAL VOLUME PURGED (gallons): 1.1

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1139	0.7	0.7	0.05	>26.00'	6.30	27.72	2307	0.62	1.37	dark yellow	none/slight
1143	0.2	0.9	0.05	>26.00'	6.30	27.84	2306	0.55	1.47	↓	↓
1147	0.2	1.1	0.05	>26.00'	6.30	27.90	2304	0.40	1.56	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **Alison Eggleston / Sarasota County**	SAMPLER(S) SIGNATURE(S): Alison J Eggleston	SAMPLING INITIATED AT: 1148	SAMPLING ENDED AT: 1202
PUMP OR TUBING DEPTH IN WELL (feet): 26.6	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE ESP	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	~~RFPP~~ AE	200
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	~~RFPP~~	↓
F	1	PE	500 mL	HNO3	NA	—	Metals	~~APP~~	
G	1	PE	250 mL	H2SO4	NA	—	Nutrients Total Ammonia	~~APP~~	
H	1	PE	1L	NA	NA	NA	Misc Inorganics	~~APP~~	

REMARKS: dtw > than 26.00' but not greater than 26.6' where pump is set as no air was drawn into the pump

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **CCSWDC**	SITE LOCATION: **4000 Knights Trail Road**	
WELL NO: **MW-17**	SAMPLE ID: **23033**	DATE: 05/07/14

PURGING DATA

WELL DIAMETER (inches): **2.0**	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 28.86	PURGE PUMP TYPE OR BAILER: **ESP**

WELL VOLUME PURGE: **1 WELL VOLUME** = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (**32.6** feet – 28.86 feet) X **0.16** gallons/foot = 0.6 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29.9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29.9	PURGING INITIATED AT: 0950	PURGING ENDED AT: 1010	TOTAL VOLUME PURGED (gallons): 1.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1002	0.6	0.6	0.05	29.19	6.40	26.89	1805	0.33	1.76	pale amber	none/sheen
1006	0.2	0.8	0.05	29.24	6.40	27.06	1805	0.28	1.61		
1010	0.2	1.0 PAE	0.05	29.24	6.40	27.98	1805	0.31	1.57	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **Alison Eggleston / Sarasota County**	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1012	SAMPLING ENDED AT: 1026
PUMP OR TUBING DEPTH IN WELL (feet): 29.9	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	ESP ~~RFPP~~	200
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	~~RFPP~~	↓
F	1	PE	500 mL	HNO3	NA	—	Metals	~~APP~~	
G	1	PE	250 mL	H2SO4	NA	—	Nutrients Total Ammonia	~~APP~~	
H	1	PE	1L	NA	NA	NA	Misc Inorganics	~~APP~~	↓

REMARKS:

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **CCSWDC**	SITE LOCATION: **4000 Knights Trail Road, Nokomis FL 34275**	
WELL NO: **MW-20A**	SAMPLE ID: **27141**	DATE: 05/05/14

PURGING DATA

WELL DIAMETER (inches): **2.0**	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: **12** feet to **22** feet	STATIC DEPTH TO WATER (feet): 9.56	PURGE PUMP TYPE OR BAILER: ~~ESP~~ PP AE

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

= (**22.5** feet – 9.56 feet) X **0.16** gallons/foot = 2.1 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.6	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.0	PURGING INITIATED AT: 1026	PURGING ENDED AT: 1107	TOTAL VOLUME PURGED (gallons): 3.4

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1053	2.2	2.2	0.08	10.74	6.63	24.61	570	0.30	0.72	none	none
1100	0.6	2.8	0.08	10.78	6.63	24.57	573	0.23	0.76	↓	↓
1107	0.6	3.4	0.08	10.78	6.64	24.62	587	0.25	0.81	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **Alison Eggleston / Sarasota County**	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1108	SAMPLING ENDED AT: 1121
PUMP OR TUBING DEPTH IN WELL (feet): 11.0	TUBING MATERIAL CODE: PE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	RFPP	<100
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	RFPP	<100
F	1	PE	500 mL	HNO3	NA	—	Metals	APP	300
G	1	PE	250 mL	H2SO4	NA	—	Nutrients Total Ammonia	APP	300
H	1	PE	1L	NA	NA	NA	Misc Inorganics	APP	300

REMARKS:

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **CCSWDC**	SITE LOCATION: **4000 Knights Trail Road, Nokomis FL 34275**	
WELL NO: **MW-19A**	SAMPLE ID: **27140**	DATE: 05/05/14

PURGING DATA

WELL DIAMETER (inches): **2.0**	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: **12** feet to **22** feet	STATIC DEPTH TO WATER (feet): 8.92	PURGE PUMP TYPE OR BAILER: ~~ESP~~ PP AE

WELL VOLUME PURGE: **1 WELL VOLUME** = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (**22.5** feet – 8.92 feet) X **0.16** gallons/foot = 2.2 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0	PURGING INITIATED AT: 1145	PURGING ENDED AT: 1248	TOTAL VOLUME PURGED (gallons): 5.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1213	2.2	2.2	0.08	9.84	6.79	25.34	544	0.47	1.19	none	none
1220	0.6	2.8	0.08	9.84	6.78	25.35	570	0.38	0.98		
1227	0.6	3.4	0.08	9.84	6.78	25.34	599	0.34	2.93		
1234	0.6	4.0	0.08	9.84	6.78	25.28	625	0.26	2.02		
1241	0.6	4.6	0.08	9.84	6.79	25.30	648	0.25	0.70		
1248	0.6	5.2	0.08	9.84	6.72	25.29	657	0.23	0.67		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **Alison Eggleston / Sarasota County**	SAMPLER(S) SIGNATURE(S): Alison J. Eggleston	SAMPLING INITIATED AT: 1249	SAMPLING ENDED AT: 1302
PUMP OR TUBING DEPTH IN WELL (feet): 10.0	TUBING MATERIAL CODE: PE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	RFPP	<100
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	RFPP	<100
F	1	PE	500 mL	HNO3	NA	—	Metals	APP	300
G	1	PE	250 mL	H2SO4	NA	—	Nutrients Total Ammonia	APP	300
H	1	PE	1L	NA	NA	NA	Misc Inorganics	APP	300

REMARKS:

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **CCSWDC**	SITE LOCATION: **4000 Knights Trail Road, Nokomis FL 34275**	
WELL NO: **MW-18R**	SAMPLE ID: **29095**	DATE: 05/05/14

PURGING DATA

WELL DIAMETER (inches): **2.0**	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.41	PURGE PUMP TYPE OR BAILER: ~~ESP~~ PP

WELL VOLUME PURGE: **1 WELL VOLUME** = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (**18.63** feet – 10.41 feet) X **0.16** gallons/foot = 1.3 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.4	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.4	PURGING INITIATED AT: 1329	PURGING ENDED AT: 1411	TOTAL VOLUME PURGED (gallons): 3.4

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1346	1.4	1.4	0.08	10.86	6.13	26.27	616	0.23	30.0	med amber	none/sheen
1351	0.4	1.8	0.08	10.86	6.13	26.23	611	0.22	26.4		
1356	0.4	2.2	0.08	10.86	6.13	26.20	608	0.22	28.0		
1401	0.4	2.6	0.08	10.86	6.13	26.22	607	0.21	27.5		
1406	0.4	3.0	0.08	10.86	6.12	26.17	606	0.19	27.0		
1411	0.4	3.4	0.08	10.86	6.12	26.13	602	0.19	27.9	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **Alison Eggleston / Sarasota County**	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1414	SAMPLING ENDED AT: 1428
PUMP OR TUBING DEPTH IN WELL (feet): 11.4	TUBING MATERIAL CODE: **PE & S**	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	RFPP	<100
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	RFPP	<100
F	1	PE	500 mL	HNO3	NA	—	Metals	APP	300
G	1	PE	250 mL	H2SO4	NA	—	Nutrients Total Ammonia	APP	300
H	1	PE	1L	NA	NA	NA	Misc Inorganics	APP	300

REMARKS: Total well depth – 18.63' field measured 4/29/14
water in purge bucket dark grey with sheen, newly installed well contractor was supposed to have developed prior to sampling below 20 NTU

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **CCSWDC**	SITE LOCATION: **4000 Knights Trail Road, Nokomis FL 34275**	
WELL NO: **NAM-2**	SAMPLE ID: **29092**	DATE: 05/02/14

PURGING DATA

WELL DIAMETER (inches): **2.0**	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: **4** feet to **14** feet	STATIC DEPTH TO WATER (feet): 4.89	PURGE PUMP TYPE OR BAILER: **PP**

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (**14.5** feet – 4.89 feet) X **0.16** gallons/foot = 1.5 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5.9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5.9	PURGING INITIATED AT: 1045	PURGING ENDED AT: 1107	TOTAL VOLUME PURGED (gallons): 2.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1059	1.5	1.5	0.11	5.01	7.01	23.60	943	0.58	3.93	none	none
1103	0.4	1.9	0.11	5.01	7.01	23.56	939	0.48	3.76	↓	↓
1107	0.4	2.3	0.11	5.01	7.01	23.57	938	0.46	2.98	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **Alison Eggleston / Sarasota County**	SAMPLER(S) SIGNATURE(S): Alison J Eggleston	SAMPLING INITIATED AT: 1108	SAMPLING ENDED AT: 1136
PUMP OR TUBING DEPTH IN WELL (feet): 5.9	TUBING MATERIAL CODE: **PE & S**	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A	1	PE	500 mL	HNO3	NA	—	Metals	APP	400
B	1	PE	250 mL	H2SO4	NA	—	Total Ammonia	APP	400
C	1	PE	1 L	None	NA	NA	Misc Inorganics	APP	400

REMARKS:

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **CCSWDC**	SITE LOCATION: **4000 Knights Trail Road, Nokomis FL 34275**	
WELL NO: **NAM-1**	SAMPLE ID: **29091**	DATE: 5/2/14

PURGING DATA

WELL DIAMETER (inches): **2.0**	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: **4** feet to **14** feet	STATIC DEPTH TO WATER (feet): 4.10	PURGE PUMP TYPE OR BAILER: **PP**

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (**14.5** feet – 4.10 feet) X **0.16** gallons/foot = 1.7 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5.1	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5.1	PURGING INITIATED AT: 0925	PURGING ENDED AT: 0949	TOTAL VOLUME PURGED (gallons): 2.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0941	1.8	1.8	0.11	4.62	7.12	24.20	1021	0.60	2.43	pale amber	none
0945	0.4	2.2	0.11	4.65	7.12	24.32	1024	0.49	3.29	↓	↓
0949	0.4	2.6	0.11	4.67	7.12	24.26	1031	0.45	3.31	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **Alison Eggleston / Sarasota County**	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 0950	SAMPLING ENDED AT: 1018
PUMP OR TUBING DEPTH IN WELL (feet): 5.1	TUBING MATERIAL CODE: PE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A	1	PE	500 mL	HNO3	NA	←	Metals	APP	400
B	1	PE	250 mL	H2SO4	NA	→	Total Ammonia	APP	400
C	1	PE	1 L	None	NA	NA	Misc Inorganics	APP	400

REMARKS:

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **CCSWDC**	SITE LOCATION: **4000 Knights Trail Road, Nokomis FL 34275**	
WELL NO: **NAM-3**	SAMPLE ID: **29093**	DATE: 05/01/14

PURGING DATA

WELL DIAMETER (inches): **2.0**	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: **4** feet to **14** feet	STATIC DEPTH TO WATER (feet): 5.32	PURGE PUMP TYPE OR BAILER: **PP**

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (**14.5** feet – 5.32 feet) X **0.16** gallons/foot = 1.5 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6.3	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.3	PURGING INITIATED AT: 1320	PURGING ENDED AT: 1342	TOTAL VOLUME PURGED (gallons): 2.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1334	1.5	1.5	0.11	5.77	6.91	23.99	771	0.43	0.61	none	none
1338	0.4	1.9	0.11	5.77	6.93	23.89	787	0.30	2.33		
1342	0.4	2.3	0.11	5.77	6.94	23.91	791	0.26	0.94		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **Alison Eggleston / Sarasota County**	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1343	SAMPLING ENDED AT: 1410
PUMP OR TUBING DEPTH IN WELL (feet): 6.3	TUBING MATERIAL CODE: PE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A	1	PE	500 mL	HNO3	NA	<2	Metals	APP	400
B	1	PE	250 mL	H2SO4	NA	<2	Total Ammonia	APP	400
C	1	PE	1 L	None	NA	NA	Misc Inorganics	APP	400

REMARKS:

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **CCSWDC**	SITE LOCATION: **4000 Knights Trail Road, Nokomis FL 34275**	
WELL NO: **NAM-4**	SAMPLE ID: **29094**	DATE: 5/1/14

PURGING DATA

WELL DIAMETER (inches): **2.0**	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 8.74	PURGE PUMP TYPE OR BAILER: **PP**

WELL VOLUME PURGE: **1 WELL VOLUME** = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (16.90 feet – 8.74 feet) X **0.16** gallons/foot = 1.3 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.7	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.7	PURGING INITIATED AT: 1115	PURGING ENDED AT: 1152	TOTAL VOLUME PURGED (gallons): 3.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1132	1.4	1.4	0.08	9.04	6.66	24.58	826	2.19	2.91	none	none
1137	0.4	1.8	0.08	9.08	6.67	24.54	773	0.76	2.04		
1142	0.4	2.2	0.08	9.08	6.67	24.57	751	0.69	1.81		
1147	0.4	2.6	0.08	9.08	6.66	24.49	731	0.61	1.53		
1152	0.4	3.0	0.08	9.08	6.66	24.48	717	0.56	1.03		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **Alison Eggleston / Sarasota County**	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1153	SAMPLING ENDED AT: 1233
PUMP OR TUBING DEPTH IN WELL (feet): 9.7	TUBING MATERIAL CODE: **PE & S**	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260	RFPP	<100
D,E	2	CG	40 mL	NA	NA	NA	8011	RFPP	<100
F, F' - O	See attached chain of custody for full list							APP	300
	No acid added in field								
pH= K>12, L=<2, M=10, N>11									

REMARKS: total well depth measured in field 5/1/14

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

3513837 24

SITE NAME: CCSW DC	SITE LOCATION: Sarasota, FL	
WELL NO: MW-10	SAMPLE ID:	DATE: 5/14/14

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 20.68	PURGE PUMP TYPE OR BAILER: USP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (30.2 feet – 20.68 feet) X 0.16 gallons/foot = 1.5232 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 1235	PURGING ENDED AT: 1257	TOTAL VOLUME PURGED (gallons): 2.42

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/l) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1249	1.54	1.54	0.11	21.22	6.32	25.39	1501	0.09	0.82	Clear	none
1253	0.44	1.98	"	21.22	6.53	25.41	1500	0.09	0.76	"	"
1257	0.44	2.42	"	21.22	6.52	25.42	1496	0.01	0.54	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: James Stickelbrodt	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1258	SAMPLING ENDED AT: 1302
PUMP OR TUBING DEPTH IN WELL (feet): 25	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	1 Ltr	Ccol	0		Nutrients	USP	400

REMARKS:

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

3138372-3

SITE NAME: CCSWD	SITE LOCATION: SARASOTA, FL	
WELL NO: MW 9	SAMPLE ID:	DATE: 5/16/14

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 12.94	PURGE PUMP TYPE OR BAILER: PP

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

= (22.8 feet – 12.94 feet) X 0.16 gallons/foot = 1.5776 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 1130	PURGING ENDED AT: 1158	TOTAL VOLUME PURGED (gallons): 2.52

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1148	1.62	1.62	0.09	13.47	6.58	24.00	1908	0.18	1.94	CLEAR	NONE
1153	0.45	2.07	1	13.47	6.58	24.00	1915	0.17	1.50	1	1
1158	0.45	2.52	1	13.47	6.58	25.96	1929	0.15	1.25	1	1

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: SAMUS STOLKBERGER	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1159	SAMPLING ENDED AT: 1203
PUMP OR TUBING DEPTH IN WELL (feet): 15	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	1-PK	COOL	4		NUTRIENTS	PP	540

REMARKS:

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

351-37372-2

SITE NAME: CCSWDC	SITE LOCATION: SARASOTA, FL	
WELL NO: MW-8A	SAMPLE ID:	DATE: 5/14/14

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 14.53	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (22.4 feet − 14.53 feet) X 0.16 gallons/foot = 0.9372 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18	PURGING INITIATED AT: 1045	PURGING ENDED AT: 1103	TOTAL VOLUME PURGED (gallons): 1.44

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1057	0.96	0.96	0.08	17.06	6.24	22.96	1656	0.58	2.34	CLEAR	NONE
1100	0.24	1.20	1	17.06	6.26	22.99	16.64	0.47	2.37		
1103	~~0.25~~ 0.24	1.44	1	17.06	6.27	23.01	1670	0.43	2.33	1	1

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: James Stockbridge	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1101	SAMPLING ENDED AT: 1109
PUMP OR TUBING DEPTH IN WELL (feet): 18	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	1 Ltr	Cool	0		Nitrate	PP	300

REMARKS:

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

3513837.1

SITE NAME: CCSWDC	SITE LOCATION: SARASOTA, FL	
WELL NO: MW-1R	SAMPLE ID:	DATE: 5/14/14

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.42	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15.7 feet – 5.42 feet) X 0.16 gallons/foot = 1.648 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8	PURGING INITIATED AT: 1000	PURGING ENDED AT: 1023	TOTAL VOLUME PURGED (gallons): 2.53

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1015	1.45	1.45	0.11	6.20	6.97	22.19	558	0.57	1.86	CLEAR	NONE
1019	0.44	2.09	1	6.20	6.95	22.16	559	0.39	1.62	1	1
1023	0.44	2.53	1	6.20	6.93	22.22	557	0.28	1.40		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: James Stockbridge	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1024	SAMPLING ENDED AT: 1024
PUMP OR TUBING DEPTH IN WELL (feet): 8	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	1-L	Cool	0		Nitrate	PP	500

REMARKS:

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

3513904-4

SITE NAME: CCSWAC	SITE LOCATION: SARASOTA, FL	
WELL NO: MW-10	SAMPLE ID:	DATE: 5/29/14

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 5/8"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 20.80	PURGE PUMP TYPE OR BAILER: GRP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (30.2 feet – 20.80 feet) X 0.16 gallons/foot = 1.504 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 23	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 23	PURGING INITIATED AT: 1110	PURGING ENDED AT: 1128	TOTAL VOLUME PURGED (gallons): 2.34

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (mS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1122	1.56	1.56	0.13	22.00	6.47	27.77	1482	0.83	1.25	CLEAR	NONE
1125	0.39	1.95	1	22.00	6.47	27.76	1481	0.75	1.42	1	1
1128	0.39	2.34	1	22.00	6.47	27.79	1482	0.70	1.36	1	1

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Samus Stockbridge	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1129	SAMPLING ENDED AT: 1135
PUMP OR TUBING DEPTH IN WELL (feet): 23	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	2	PE	1 Litre	Cool	0		TDS	ESP	

REMARKS:

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

$35139904-3

SITE NAME: CCSWAC	SITE LOCATION: SARASOTA, FL	
WELL NO: MW-9	SAMPLE ID:	DATE: 5/29/14

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 13.27	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (22.8 feet − 13.27 feet) X 0.16 gallons/foot = 1.5248 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 17	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 17	PURGING INITIATED AT: 1020	PURGING ENDED AT: 1047	TOTAL VOLUME PURGED (gallons): 2.43

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (S/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1037	1.53	1.53	0.09	13.88	6.55	26.89	1947	1.06	0.68	CLEAR	NONE
1042	0.45	1.98	1	13.88	6.55	26.88	1948	0.94	0.44	1	1
1047	0.45	2.43	1	13.88	6.54	26.89	1947	0.83	0.65	1	1

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./FL): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JAMES STOCKBRIDGE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1018	SAMPLING ENDED AT: 1053
PUMP OR TUBING DEPTH IN WELL (feet): 17	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	2	PE	1 LITER	COOL	0		TDS	PP	

REMARKS:

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

35/37 914-2

SITE NAME: CCSWDC	SITE LOCATION: Sarasota, FL	
WELL NO: MW-8A	SAMPLE ID:	DATE: 5/29/14

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 16.62	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.4 feet – 16.62 feet) X 0.16 gallons/foot = 0.9248 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 19	PURGING INITIATED AT: 0940	PURGING ENDED AT: 0956	TOTAL VOLUME PURGED (gallons): 1.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0950	1.00	1.00	0.10	17.80	6.14	24.30	1776	0.46	3.08	Clear	None
0953	0.30	1.30	"	17.80	6.17	24.31	1777	0.47	3.13	"	"
0956	0.30	1.60	"	17.80	6.16	24.30	1776	0.46	3.14	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: James Stockbridge	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0957	SAMPLING ENDED AT: 1002
PUMP OR TUBING DEPTH IN WELL (feet): 19	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type.	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	2	PE	1LTR	Cool	0		TDS	PP	

REMARKS:

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

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

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

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

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

3513990 4 - 1

SITE NAME: CCSWDC	SITE LOCATION: SARASOTA, FL	
WELL NO: MW-1R	SAMPLE ID:	DATE: 5/29/14

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.25	PURGE PUMP TYPE OR BAILER: PP

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

= (15.7 feet – 6.25 feet) X 0.16 gallons/foot = 1.5072 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9	PURGING INITIATED AT: 0849	PURGING ENDED AT: 0910	TOTAL VOLUME PURGED (gallons): 2.52

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0902	1.56	1.56	0.12	7.24	7.03	23.52	618	0.66	1.60	CLEAR	NONE
0906	0.48	2.04	1	7.43	7.02	23.51	617	0.63	1.44	1	1
0910	0.48	2.52	1	7.75	7.03	23.51	615	0.66	1.24	1	1

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./FL): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: James Stockbridge	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0911	SAMPLING ENDED AT: 0914
PUMP OR TUBING DEPTH IN WELL (feet): 9	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	2	PE	1-1L	Cool	0		TDS	PP	

REMARKS:

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

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

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

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

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

DEP-SOP-001/01
FT 1100 Field Measurement of Hydrogen Ion Activity (pH)

Form FD 9000-7: Field Parameter Data Sheet for Surface Water

SURVEY/PROJECT Central SW SAMPLERS: AE+JS METER # 1151-556

STATION NUMBER	STATION DESCRIPTION	PARAMETER	DATE	TIME	TOTAL DEPTH	SAMPLE DEPTH	WATER TEMP	DO	%SAT DO	COND	SALINITY	PH	TURBIDITY
		UNIT	yy/mm/dd	hr:min	feet	feet	Celsius	mg/L	%	µS/cm	ppt	su	NTU
		STORET CODE	73672		81903	68	10	299	301	94	480	400	82078
8824	SW-1		14/05/16	10:05	2	0.0	25.05	1.91	—	556	—	7.85	5.16
8825	SW-2		14/05/16	10:40	2	0.0	24.17	4.12	—	643	—	830	18.6

FIELD CONDITIONS FOR STATION# _____ AT TIME _____:

CLOUD COVER (%): _____ WIND DIRECTION: _____ TIDAL STAGE: _____

PREVIOUS RAINFALL: _____ WIND SPEED (MPH/KNOTS): _____ WAVE CONDITIONS: _____

Note: This Sheet is used for recording Sample Data – Calibration information must also be documented

Revision Date: February 1, 2004

Pace Analytical Florida Laboratory	Document Name: Field Sampling Log	Date Revised: December 3, 2012
	Document Number: F-FL-C-022 rev.00	Issuing Authority: Pace Florida Quality Office

Field Sampling Log

Arrived on Site Date 5/20/14 Time: 1300 Departed Site 5/20/14 Time: 1645

Sampler's Signature [signature] Sampler's Name SAMUS STOURBRIDGE

CLIENT NAME: SARASOTA COUNTY PROJECT NAME: CCSWDC SW

CLIENT CONTACT: CESAR RODRIGUEZ SITE CONTACT: ALLSON EGGLESTON

Personnel on Site:

SITE Location: CENTRAL COUNTY LF

Ambient Conditions:

Brief Description of Field Activities: COLLECT GRAB SAMPLE

Field Equipment Used: NONE

Decon Procedures: Yes / No If Yes. Please Describe

Field Filtering: Yes / No If Yes. Please Describe

Sample Matrix: DW GW WW SU STW SO SE ML Other: SURFACE WATER

Physical Characteristics of Sample :

Sampling Method: GRAB ✓ COMPOSITE

For Composite Sampling; Document Sampling Procedure for Collecting a Representative Sample:

QC Blanks: Precleaned EQB Field Cleaned EQB

Field Blanks Trip Blanks QC Samples: Duplicate Replicate Samples

Split Samples(explain)

Sx. Location	Date and Time	Parameters	Appearance	Odor	pH	Temp °C	Conductivity	DO	Turbidity
SW-1	5/20/14 1450		Yellow	none	8.17	28.84	561	7.35	2.52

Calibration of Meters

Meter	Y / N	Standard	Slope	Variance	Value

Other Notation's or Anomalies:

Field Sampling Log

Arrived on Site Date 5/20/14 Time: 1300 Departed Site 5/20/14 Time: 1645

Sampler's Signature [signature] Sampler's Name James Stockbridge

CLIENT NAME: Sarasota County PROJECT NAME: CCSWMC SW

CLIENT CONTACT: Connie Rodriguez SITE CONTACT:

Personnel on Site:

SITE Location: Central County

Ambient Conditions:

Brief Description of Field Activities: Collect Grab Samples

Field Equipment Used: None

Decon Procedures: Yes / (No) If Yes. Please Describe

Field Filtering: Yes / (No) If Yes. Please Describe

Sample Matrix: DW GW WW SU STW SO SE ML Other: Surface Water

Physical Characteristics of Sample :

Sampling Method: GRAB ✓ COMPOSITE

For Composite Sampling; Document Sampling Procedure for Collecting a Representative Sample:

QC Blanks: Precleaned EQB Field Cleaned EQB

Field Blanks Trip Blanks QC Samples: Duplicate Replicate Samples

Split Samples(explain)

Sx. Location	Date and Time	Parameters	Appearance	Odor	pH	Temp °C	Conductivity	DO	Turbidity
SW-2	5/20/14 1430		Cloudy	None	8.02	27.73	697	9.36	4.12
EQ	5/20/14 1455								

Calibration of Meters

Meter	Y / N	Standard	Slope	Variance	Value

Other Notation's or Anomalies:

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

May 27, 2014

Mr. Cesar Rodriquez
Sarasota County
1255 T. Mabry Carlton Parkway
Venice, FL 34292

RE: Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Dear Mr. Rodriquez:
Enclosed are the analytical results for sample(s) received by the laboratory between May 06, 2014 and May 10, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Samples from 5/09: NO3 not reported since not analyzedwith in hold time.

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

Sincerely,

Joe Vondrick
joe.vondrick@pacelabs.com
Project Manager

Enclosures

cc: Ms. Heather Bryen, Sarasota County
Finance Dept., Sarasota County

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

CERTIFICATIONS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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

SAMPLE SUMMARY

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35136536001	MW-20A	Water	05/05/14 11:08	05/06/14 07:05
35136536002	MW-19A	Water	05/05/14 12:49	05/06/14 07:05
35136536003	MW-18R	Water	05/05/14 14:14	05/06/14 07:05
35136536004	Field Blank 1	Water	05/05/14 10:10	05/06/14 07:05
35136536005	Trip Blank F	Water	05/05/14 00:00	05/06/14 07:05
35136536006	MW-17	Water	05/07/14 10:12	05/08/14 04:40
35136536007	MW-16	Water	05/07/14 11:48	05/08/14 04:40
35136536008	MW-15	Water	05/07/14 13:40	05/08/14 04:40
35136536009	Field Equip. Blank 2	Water	05/07/14 14:10	05/08/14 04:40
35136536010	Trip Blank G	Water	05/07/14 08:00	05/08/14 04:40
35136536011	MW-9	Water	05/09/14 08:32	05/10/14 03:00
35136536012	MW-10R	Water	05/09/14 09:54	05/10/14 03:00
35136536013	MW-8A	Water	05/09/14 11:03	05/10/14 03:00
35136536015	MW-1R	Water	05/09/14 12:41	05/10/14 03:00
35136536016	Trip Blank H	Water	05/09/14 08:00	05/10/14 03:00

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

SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35136536001	MW-20A	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	JBH	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	LJJ	1	PASI-O
		EPA 300.0	LJJ	1	PASI-O
		EPA 350.1	ADC	1	PASI-O
35136536002	MW-19A	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	JBH	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	LJJ	1	PASI-O
		EPA 300.0	LJJ	1	PASI-O
		EPA 350.1	ADC	1	PASI-O
35136536003	MW-18R	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	JBH	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	LJJ	1	PASI-O
		EPA 300.0	LJJ	1	PASI-O
		EPA 350.1	ADC	1	PASI-O
35136536004	Field Blank 1	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	JBH	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	LJJ	1	PASI-O
		EPA 300.0	LJJ	1	PASI-O
		EPA 350.1	ADC	1	PASI-O
35136536005	Trip Blank F	EPA 8260	JBH	48	PASI-O

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SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35136536006	**MW-17**	EPA 8011	IRL	2	PASI-O
		EPA 6010	CRT	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	JBH	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 350.1	ADC	1	PASI-O
35136536007	**MW-16**	EPA 8011	IRL	2	PASI-O
		EPA 6010	CRT	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	JBH	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 350.1	ADC	1	PASI-O
35136536008	**MW-15**	EPA 8011	IRL	2	PASI-O
		EPA 6010	CRT, TAP	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	JBH	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 350.1	ADC	1	PASI-O
35136536009	**Field Equip. Blank 2**	EPA 8011	IRL	2	PASI-O
		EPA 6010	CRT	15	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	JBH	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 350.1	ADC	1	PASI-O
35136536010	**Trip Blank G**	EPA 8260	JBH	48	PASI-O

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SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35136536011	MW-9	EPA 8011	IRL	2	PASI-O
		EPA 6010	CRT	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 350.1	ADC	1	PASI-O
35136536012	MW-10R	EPA 8011	IRL	2	PASI-O
		EPA 6010	CRT	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 350.1	ADC	1	PASI-O
35136536013	MW-8A	EPA 8011	IRL	2	PASI-O
		EPA 6010	CRT	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 350.1	ADC	1	PASI-O
35136536015	MW-1R	EPA 8011	IRL	2	PASI-O
		EPA 6010	CRT	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 350.1	ADC	1	PASI-O
35136536016	Trip Blank H	EPA 8260	SK	48	PASI-O

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-20A **Lab ID: 35136536001** Collected: 05/05/14 11:08 Received: 05/06/14 07:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.64**	Std. Units			1		05/05/14 11:08		
Field Temperature	**24.62**	deg C			1		05/05/14 11:08		
Field Specific Conductance	**587**	umhos/cm			1		05/05/14 11:08		
Oxygen, Dissolved	**0.25**	mg/L			1		05/05/14 11:08	7782-44-7	
Turbidity	**0.81**	NTU			1		05/05/14 11:08		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011		Preparation Method: EPA 8011						
1,2-Dibromo-3-chloropropane	**0.0054U**	ug/L	0.022	0.0054	1	05/12/14 17:30	05/13/14 13:43	96-12-8	
1,2-Dibromoethane (EDB)	**0.0068U**	ug/L	0.011	0.0068	1	05/12/14 17:30	05/13/14 13:43	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010		Preparation Method: EPA 3010						
Arsenic	**7.4 I**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:28	7440-38-2	
Barium	**37.2**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:28	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 19:28	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 19:28	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 19:28	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:28	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 19:28	7440-50-8	
Iron	**3380**	ug/L	40.0	20.0	1	05/07/14 10:50	05/08/14 19:28	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:28	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 19:28	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/07/14 10:50	05/08/14 19:28	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 19:28	7440-22-4	
Sodium	**5.1**	mg/L	1.0	0.50	1	05/07/14 10:50	05/08/14 19:28	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:28	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/07/14 10:50	05/08/14 19:28	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020		Preparation Method: EPA 3010						
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 20:19	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 20:19	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/17/14 17:05	05/18/14 11:57	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/17/14 20:28	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/17/14 20:28	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/17/14 20:28	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/17/14 20:28	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/17/14 20:28	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/17/14 20:28	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	56-23-5	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-20A **Lab ID: 35136536001** Collected: 05/05/14 11:08 Received: 05/06/14 07:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/17/14 20:28	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/17/14 20:28	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/17/14 20:28	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/17/14 20:28	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/17/14 20:28	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/17/14 20:28	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/17/14 20:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/17/14 20:28	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/17/14 20:28	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	127-18-4	
Toluene	**0.52 I**	ug/L	1.0	0.50	1		05/17/14 20:28	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/17/14 20:28	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/17/14 20:28	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:28	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-114		1		05/17/14 20:28	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	86-125		1		05/17/14 20:28	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		05/17/14 20:28	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**341**	mg/L	5.0	5.0	1		05/12/14 15:39		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.043U**	mg/L	0.050	0.043	1		05/07/14 02:32	14797-55-8	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-20A **Lab ID: 35136536001** Collected: 05/05/14 11:08 Received: 05/06/14 07:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**4.8** I	mg/L	5.0	2.5	1		05/07/14 02:32	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.29**	mg/L	0.050	0.020	1		05/21/14 17:51	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-19A **Lab ID: 35136536002** Collected: 05/05/14 12:49 Received: 05/06/14 07:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.72**	Std. Units			1		05/05/14 12:49		
Field Temperature	**25.29**	deg C			1		05/05/14 12:49		
Field Specific Conductance	**657**	umhos/cm			1		05/05/14 12:49		
Oxygen, Dissolved	**0.23**	mg/L			1		05/05/14 12:49	7782-44-7	
Turbidity	**0.67**	NTU			1		05/05/14 12:49		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0053U**	ug/L	0.021	0.0053	1	05/12/14 17:30	05/13/14 13:59	96-12-8	
1,2-Dibromoethane (EDB)	**0.0067U**	ug/L	0.011	0.0067	1	05/12/14 17:30	05/13/14 13:59	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**19.6**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:32	7440-38-2	
Barium	**27.2**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:32	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 19:32	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 19:32	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 19:32	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:32	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 19:32	7440-50-8	
Iron	**11800**	ug/L	40.0	20.0	1	05/07/14 10:50	05/08/14 19:32	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:32	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 19:32	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/07/14 10:50	05/08/14 19:32	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 19:32	7440-22-4	
Sodium	**8.6**	mg/L	1.0	0.50	1	05/07/14 10:50	05/08/14 19:32	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:32	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/07/14 10:50	05/08/14 19:32	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 20:21	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 20:21	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/17/14 17:05	05/18/14 12:00	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/17/14 20:53	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/17/14 20:53	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/17/14 20:53	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/17/14 20:53	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/17/14 20:53	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/17/14 20:53	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	56-23-5	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-19A **Lab ID: 35136536002** Collected: 05/05/14 12:49 Received: 05/06/14 07:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/17/14 20:53	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/17/14 20:53	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/17/14 20:53	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/17/14 20:53	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/17/14 20:53	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/17/14 20:53	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/17/14 20:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/17/14 20:53	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/17/14 20:53	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	127-18-4	
Toluene	**0.51 I**	ug/L	1.0	0.50	1		05/17/14 20:53	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/17/14 20:53	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/17/14 20:53	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/17/14 20:53	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-114		1		05/17/14 20:53	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	86-125		1		05/17/14 20:53	17060-07-0	
Toluene-d8 (S)	103	%	87-113		1		05/17/14 20:53	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**406**	mg/L	5.0	5.0	1		05/12/14 15:39		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.043U**	mg/L	0.050	0.043	1		05/07/14 02:51	14797-55-8	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-19A **Lab ID: 35136536002** Collected: 05/05/14 12:49 Received: 05/06/14 07:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**6.3**	mg/L	5.0	2.5	1		05/07/14 02:51	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**1.2**	mg/L	0.050	0.020	1		05/21/14 17:52	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-18R **Lab ID: 35136536003** Collected: 05/05/14 14:14 Received: 05/06/14 07:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.12**	Std. Units			1		05/05/14 14:14		
Field Temperature	**26.13**	deg C			1		05/05/14 14:14		
Field Specific Conductance	**602**	umhos/cm			1		05/05/14 14:14		
Oxygen, Dissolved	**0.19**	mg/L			1		05/05/14 14:14	7782-44-7	
Turbidity	**27.9**	NTU			1		05/05/14 14:14		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0058U**	ug/L	0.024	0.0058	1	05/12/14 17:30	05/13/14 14:14	96-12-8	
1,2-Dibromoethane (EDB)	**0.0073U**	ug/L	0.012	0.0073	1	05/12/14 17:30	05/13/14 14:14	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**20.5**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:49	7440-38-2	
Barium	**23.2**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:49	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 19:49	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 19:49	7440-43-9	
Chromium	**6.4**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 19:49	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:49	7440-48-4	
Copper	**9.9**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 19:49	7440-50-8	
Iron	**23700**	ug/L	40.0	20.0	1	05/07/14 10:50	05/08/14 19:49	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:49	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 19:49	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/07/14 10:50	05/08/14 19:49	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 19:49	7440-22-4	
Sodium	**19.6**	mg/L	1.0	0.50	1	05/07/14 10:50	05/08/14 19:49	7440-23-5	
Vanadium	**17.9**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:49	7440-62-2	
Zinc	**11.1 I**	ug/L	20.0	10.0	1	05/07/14 10:50	05/08/14 19:49	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**2.5U**	ug/L	5.0	2.5	5	05/07/14 10:50	05/08/14 20:49	7440-36-0	D3
Thallium	**2.5U**	ug/L	5.0	2.5	5	05/07/14 10:50	05/08/14 20:49	7440-28-0	D3
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/17/14 17:05	05/18/14 12:02	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/17/14 21:18	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/17/14 21:18	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/17/14 21:18	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/17/14 21:18	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/17/14 21:18	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/17/14 21:18	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	56-23-5	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-18R **Lab ID: 35136536003** Collected: 05/05/14 14:14 Received: 05/06/14 07:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/17/14 21:18	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/17/14 21:18	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/17/14 21:18	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/17/14 21:18	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/17/14 21:18	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/17/14 21:18	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/17/14 21:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/17/14 21:18	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/17/14 21:18	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/17/14 21:18	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/17/14 21:18	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/17/14 21:18	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-114		1		05/17/14 21:18	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	86-125		1		05/17/14 21:18	17060-07-0	
Toluene-d8 (S)	102	%	87-113		1		05/17/14 21:18	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**396**	mg/L	5.0	5.0	1		05/12/14 15:40		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.043U**	mg/L	0.050	0.043	1		05/07/14 03:10	14797-55-8	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-18R **Lab ID: 35136536003** Collected: 05/05/14 14:14 Received: 05/06/14 07:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**10.4**	mg/L	5.0	2.5	1		05/07/14 03:10	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**24.2**	mg/L	0.25	0.10			05/21/14 18:05	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: Field Blank 1 **Lab ID: 35136536004** Collected: 05/05/14 10:10 Received: 05/06/14 07:05 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	**0.0054U**	ug/L	0.022	0.0054	1	05/12/14 17:30	05/13/14 14:29	96-12-8	
1,2-Dibromoethane (EDB)	**0.0068U**	ug/L	0.011	0.0068	1	05/12/14 17:30	05/13/14 14:29	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:53	7440-38-2	
Barium	**5.0U**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:53	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 19:53	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 19:53	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 19:53	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:53	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 19:53	7440-50-8	
Iron	**20.0U**	ug/L	40.0	20.0	1	05/07/14 10:50	05/08/14 19:53	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:53	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 19:53	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/07/14 10:50	05/08/14 19:53	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 19:53	7440-22-4	
Sodium	**0.50U**	mg/L	1.0	0.50	1	05/07/14 10:50	05/08/14 19:53	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 19:53	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/07/14 10:50	05/08/14 19:53	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 20:24	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 20:24	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/17/14 17:05	05/18/14 12:04	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/17/14 13:46	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/17/14 13:46	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/17/14 13:46	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/17/14 13:46	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/17/14 13:46	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/17/14 13:46	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/17/14 13:46	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/17/14 13:46	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	95-50-1	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: Field Blank 1 **Lab ID: 35136536004** Collected: 05/05/14 10:10 Received: 05/06/14 07:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/17/14 13:46	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/17/14 13:46	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/17/14 13:46	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/17/14 13:46	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/17/14 13:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/17/14 13:46	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/17/14 13:46	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	127-18-4	
Toluene	**0.62 I**	ug/L	1.0	0.50	1		05/17/14 13:46	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/17/14 13:46	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/17/14 13:46	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/17/14 13:46	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	111	%	70-114		1		05/17/14 13:46	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	86-125		1		05/17/14 13:46	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		05/17/14 13:46	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**5.0U**	mg/L	5.0	5.0	1		05/12/14 15:40		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.043U**	mg/L	0.050	0.043	1		05/07/14 02:13	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**2.5U**	mg/L	5.0	2.5	1		05/07/14 02:13	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020U**	mg/L	0.050	0.020	1		05/21/14 17:55	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: Trip Blank F **Lab ID: 35136536005** Collected: 05/05/14 00:00 Received: 05/06/14 07:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/17/14 14:10	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/17/14 14:10	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/17/14 14:10	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/17/14 14:10	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/17/14 14:10	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/17/14 14:10	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/17/14 14:10	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/17/14 14:10	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/17/14 14:10	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/17/14 14:10	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/17/14 14:10	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/17/14 14:10	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/17/14 14:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/17/14 14:10	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/17/14 14:10	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/17/14 14:10	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/17/14 14:10	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/17/14 14:10	1330-20-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: Trip Blank F **Lab ID: 35136536005** Collected: 05/05/14 00:00 Received: 05/06/14 07:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-114		1		05/17/14 14:10	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	86-125		1		05/17/14 14:10	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		05/17/14 14:10	2037-26-5	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-17 **Lab ID: 35136536006** Collected: 05/07/14 10:12 Received: 05/08/14 04:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.40**	Std. Units			1		05/07/14 10:12		
Field Temperature	**27.98**	deg C			1		05/07/14 10:12		
Field Specific Conductance	**1805**	umhos/cm			1		05/07/14 10:12		
Oxygen, Dissolved	**0.31**	mg/L			1		05/07/14 10:12	7782-44-7	
Turbidity	**1.51**	NTU			1		05/07/14 10:12		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011		Preparation Method: EPA 8011						
1,2-Dibromo-3-chloropropane	**0.0054U**	ug/L	0.022	0.0054	1	05/14/14 17:30	05/13/14 20:24	96-12-8	
1,2-Dibromoethane (EDB)	**0.0068U**	ug/L	0.011	0.0068	1	05/14/14 17:30	05/13/14 20:24	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010		Preparation Method: EPA 3010						
Arsenic	**84.8**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 15:20	7440-38-2	
Barium	**99.2**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 15:20	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/09/14 11:55	05/10/14 15:20	7440-41-7	
Cadmium	**2.5U**	ug/L	5.0	2.5	5	05/09/14 11:55	05/10/14 15:25	7440-43-9	D3
Chromium	**2.8 I**	ug/L	5.0	2.5	1	05/09/14 11:55	05/10/14 15:20	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 15:20	7440-48-4	
Copper	**8.7**	ug/L	5.0	2.5	1	05/09/14 11:55	05/10/14 15:20	7440-50-8	
Iron	**97500**	ug/L	40.0	20.0	1	05/09/14 11:55	05/10/14 15:20	7439-89-6	J(M1)
Lead	**5.0U**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 15:20	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/09/14 11:55	05/10/14 15:20	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/09/14 11:55	05/10/14 15:20	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/09/14 11:55	05/10/14 15:20	7440-22-4	
Sodium	**57.9**	mg/L	1.0	0.50	1	05/09/14 11:55	05/10/14 15:20	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 15:20	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/09/14 11:55	05/10/14 15:20	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020		Preparation Method: EPA 3010						
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/09/14 11:55	05/15/14 13:34	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/09/14 11:55	05/15/14 13:34	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/17/14 17:05	05/18/14 12:32	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/18/14 08:27	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/18/14 08:27	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/18/14 08:27	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/18/14 08:27	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/18/14 08:27	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/18/14 08:27	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	56-23-5	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-17 **Lab ID: 35136536006** Collected: 05/07/14 10:12 Received: 05/08/14 04:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/18/14 08:27	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/18/14 08:27	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/18/14 08:27	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/18/14 08:27	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/18/14 08:27	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/18/14 08:27	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/18/14 08:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/18/14 08:27	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/18/14 08:27	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/18/14 08:27	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/18/14 08:27	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:27	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	114	%	70-114		1		05/18/14 08:27	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	86-125		1		05/18/14 08:27	17060-07-0	
Toluene-d8 (S)	102	%	87-113		1		05/18/14 08:27	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**952**	mg/L	10.0	10.0	1		05/14/14 13:50		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.22U**	mg/L	0.25	0.22	5		05/09/14 02:18	14797-55-8	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-17 **Lab ID: 35136536006** Collected: 05/07/14 10:12 Received: 05/08/14 04:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**63.0**	mg/L	25.0	12.5	5		05/09/14 02:18	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**28.4**	mg/L	0.25	0.10	5		05/21/14 18:15	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-16 **Lab ID: 35136536007** Collected: 05/07/14 11:48 Received: 05/08/14 04:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.30**	Std. Units			1		05/07/14 11:48		
Field Temperature	**27.90**	deg C			1		05/07/14 11:48		
Field Specific Conductance	**2304**	umhos/cm			1		05/07/14 11:48		
Oxygen, Dissolved	**0.40**	mg/L			1		05/07/14 11:48	7782-44-7	
Turbidity	**1.56**	NTU			1		05/07/14 11:48		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0054U**	ug/L	0.022	0.0054	1	05/14/14 17:30	05/13/14 20:39	96-12-8	
1,2-Dibromoethane (EDB)	**0.0069U**	ug/L	0.011	0.0069	1	05/14/14 17:30	05/13/14 20:39	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**61.4**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 13:02	7440-38-2	
Barium	**77.9**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 13:02	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/09/14 11:55	05/10/14 13:02	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/09/14 11:55	05/10/14 13:02	7440-43-9	
Chromium	**4.7 I**	ug/L	5.0	2.5	1	05/09/14 11:55	05/10/14 13:02	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 13:02	7440-48-4	
Copper	**4.4 I**	ug/L	5.0	2.5	1	05/09/14 11:55	05/10/14 13:02	7440-50-8	
Iron	**49400**	ug/L	40.0	20.0	1	05/09/14 11:55	05/10/14 13:02	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 13:02	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/09/14 11:55	05/10/14 13:02	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/09/14 11:55	05/10/14 13:02	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/09/14 11:55	05/10/14 13:02	7440-22-4	
Sodium	**225**	mg/L	1.0	0.50	1	05/09/14 11:55	05/10/14 13:02	7440-23-5	
Vanadium	**8.7 I**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 13:02	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/09/14 11:55	05/10/14 13:02	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/09/14 11:55	05/15/14 13:37	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/09/14 11:55	05/15/14 13:37	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/17/14 17:05	05/18/14 12:34	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/18/14 08:52	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/18/14 08:52	107-13-1	
Benzene	**0.18 I**	ug/L	1.0	0.10	1		05/18/14 08:52	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/18/14 08:52	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/18/14 08:52	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/18/14 08:52	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	56-23-5	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-16 **Lab ID: 35136536007** Collected: 05/07/14 11:48 Received: 05/08/14 04:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/18/14 08:52	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/18/14 08:52	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/18/14 08:52	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/18/14 08:52	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/18/14 08:52	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/18/14 08:52	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/18/14 08:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/18/14 08:52	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/18/14 08:52	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	127-18-4	
Toluene	**0.69 I**	ug/L	1.0	0.50	1		05/18/14 08:52	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/18/14 08:52	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/18/14 08:52	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/18/14 08:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-114		1		05/18/14 08:52	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	86-125		1		05/18/14 08:52	17060-07-0	
Toluene-d8 (S)	103	%	87-113		1		05/18/14 08:52	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1320**	mg/L	10.0	10.0	1		05/14/14 13:51		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.22U**	mg/L	0.25	0.22	5		05/09/14 08:20	14797-55-8	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-16 **Lab ID: 35136536007** Collected: 05/07/14 11:48 Received: 05/08/14 04:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**228**	mg/L	25.0	12.5	5		05/09/14 08:20	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**32.9**	mg/L	0.25	0.10			05/21/14 18:15	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-15 **Lab ID: 35136536008** Collected: 05/07/14 13:40 Received: 05/08/14 04:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.43**	Std. Units			1		05/07/14 13:40		
Field Temperature	**28.75**	deg C			1		05/07/14 13:40		
Field Specific Conductance	**2482**	umhos/cm			1		05/07/14 13:40		
Oxygen, Dissolved	**0.17**	mg/L			1		05/07/14 13:40	7782-44-7	
Turbidity	**3.87**	NTU			1		05/07/14 13:40		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011		Preparation Method: EPA 8011						
1,2-Dibromo-3-chloropropane	**0.0054U**	ug/L	0.022	0.0054	1	05/14/14 17:30	05/13/14 20:55	96-12-8	
1,2-Dibromoethane (EDB)	**0.0069U**	ug/L	0.011	0.0069	1	05/14/14 17:30	05/13/14 20:55	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010		Preparation Method: EPA 3010						
Arsenic	**39.4**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 13:19	7440-38-2	
Barium	**166**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 13:19	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/09/14 11:55	05/10/14 13:19	7440-41-7	
Cadmium	**2.5U**	ug/L	5.0	2.5	5	05/09/14 11:55	05/10/14 19:42	7440-43-9	D3
Chromium	**3.0 I**	ug/L	5.0	2.5	1	05/09/14 11:55	05/10/14 13:19	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 13:19	7440-48-4	
Copper	**6.0**	ug/L	5.0	2.5	1	05/09/14 11:55	05/10/14 13:19	7440-50-8	
Iron	**65000**	ug/L	40.0	20.0	1	05/09/14 11:55	05/10/14 13:19	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 13:19	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/09/14 11:55	05/10/14 13:19	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/09/14 11:55	05/10/14 13:19	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/09/14 11:55	05/10/14 13:19	7440-22-4	
Sodium	**90.1**	mg/L	1.0	0.50	1	05/09/14 11:55	05/10/14 13:19	7440-23-5	
Vanadium	**5.4 I**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 13:19	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/09/14 11:55	05/10/14 13:19	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020		Preparation Method: EPA 3010						
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/09/14 11:55	05/15/14 13:44	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/09/14 11:55	05/15/14 13:44	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/22/14 13:22	05/23/14 08:07	7439-97-6	J(M1)
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/18/14 09:18	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/18/14 09:18	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/18/14 09:18	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/18/14 09:18	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/18/14 09:18	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/18/14 09:18	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	56-23-5	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-15 **Lab ID: 35136536008** Collected: 05/07/14 13:40 Received: 05/08/14 04:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/18/14 09:18	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/18/14 09:18	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/18/14 09:18	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/18/14 09:18	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/18/14 09:18	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/18/14 09:18	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/18/14 09:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/18/14 09:18	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/18/14 09:18	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/18/14 09:18	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/18/14 09:18	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/18/14 09:18	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	116	%	70-114		1		05/18/14 09:18	460-00-4	S3
1,2-Dichloroethane-d4 (S)	91	%	86-125		1		05/18/14 09:18	17060-07-0	
Toluene-d8 (S)	98	%	87-113		1		05/18/14 09:18	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1440**	mg/L	10.0	10.0	1		05/14/14 13:51		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.22U**	mg/L	0.25	0.22	5		05/09/14 09:25	14797-55-8	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-15 **Lab ID: 35136536008** Collected: 05/07/14 13:40 Received: 05/08/14 04:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**132**	mg/L	25.0	12.5	5		05/09/14 09:25	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**6.7**	mg/L	0.050	0.020	1		05/21/14 17:59	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: Field Equip. Blank 2 **Lab ID: 35136536009** Collected: 05/07/14 14:10 Received: 05/08/14 04:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0053U**	ug/L	0.022	0.0053	1	05/14/14 17:30	05/13/14 21:10	96-12-8	
1,2-Dibromoethane (EDB)	**0.0067U**	ug/L	0.011	0.0067	1	05/14/14 17:30	05/13/14 21:10	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 13:23	7440-38-2	
Barium	**5.0U**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 13:23	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/09/14 11:55	05/10/14 13:23	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/09/14 11:55	05/10/14 13:23	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/09/14 11:55	05/10/14 13:23	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 13:23	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/09/14 11:55	05/10/14 13:23	7440-50-8	
Iron	**20.0U**	ug/L	40.0	20.0	1	05/09/14 11:55	05/10/14 13:23	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 13:23	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/09/14 11:55	05/10/14 13:23	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/09/14 11:55	05/10/14 13:23	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/09/14 11:55	05/10/14 13:23	7440-22-4	
Sodium	**0.50U**	mg/L	1.0	0.50	1	05/09/14 11:55	05/10/14 13:23	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/09/14 11:55	05/10/14 13:23	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/09/14 11:55	05/10/14 13:23	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/09/14 11:55	05/15/14 13:46	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/09/14 11:55	05/15/14 13:46	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/22/14 13:22	05/23/14 08:18	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/18/14 02:01	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/18/14 02:01	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/18/14 02:01	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/18/14 02:01	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/18/14 02:01	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/18/14 02:01	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/18/14 02:01	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/18/14 02:01	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	95-50-1	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: Field Equip. Blank 2 **Lab ID: 35136536009** Collected: 05/07/14 14:10 Received: 05/08/14 04:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/18/14 02:01	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/18/14 02:01	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/18/14 02:01	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/18/14 02:01	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/18/14 02:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/18/14 02:01	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/18/14 02:01	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/18/14 02:01	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/18/14 02:01	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:01	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	113	%	70-114		1		05/18/14 02:01	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	86-125		1		05/18/14 02:01	17060-07-0	
Toluene-d8 (S)	98	%	87-113		1		05/18/14 02:01	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**5.0U**	mg/L	5.0	5.0	1		05/14/14 13:52		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.043U**	mg/L	0.050	0.043	1		05/09/14 09:46	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**2.5U**	mg/L	5.0	2.5	1		05/09/14 09:46	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020U**	mg/L	0.050	0.020	1		05/21/14 18:00	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: Trip Blank G **Lab ID: 35136536010** Collected: 05/07/14 08:00 Received: 05/08/14 04:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/18/14 02:28	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/18/14 02:28	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/18/14 02:28	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/18/14 02:28	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/18/14 02:28	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/18/14 02:28	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/18/14 02:28	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/18/14 02:28	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/18/14 02:28	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/18/14 02:28	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/18/14 02:28	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/18/14 02:28	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/18/14 02:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/18/14 02:28	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/18/14 02:28	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	127-18-4	
Toluene	**2.0**	ug/L	1.0	0.50	1		05/18/14 02:28	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/18/14 02:28	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/18/14 02:28	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/18/14 02:28	1330-20-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: Trip Blank G **Lab ID: 35136536010** Collected: 05/07/14 08:00 Received: 05/08/14 04:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	112	%	70-114		1		05/18/14 02:28	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	86-125		1		05/18/14 02:28	17060-07-0	
Toluene-d8 (S)	103	%	87-113		1		05/18/14 02:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-9 **Lab ID: 35136536011** Collected: 05/09/14 08:32 Received: 05/10/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.54**	Std. Units			1		05/09/14 08:32		
Field Temperature	**26.80**	deg C			1		05/09/14 08:32		
Field Specific Conductance	**1964**	umhos/cm			1		05/09/14 08:32		
Oxygen, Dissolved	**0.27**	mg/L			1		05/09/14 08:32	7782-44-7	
Turbidity	**2.16**	NTU			1		05/09/14 08:32		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0055U**	ug/L	0.022	0.0055	1	05/21/14 22:15	05/22/14 08:54	96-12-8	
1,2-Dibromoethane (EDB)	**0.0069U**	ug/L	0.011	0.0069	1	05/21/14 22:15	05/22/14 08:54	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**34.8**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:20	7440-38-2	
Barium	**122**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:20	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/13/14 16:29	05/14/14 12:20	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/13/14 16:29	05/14/14 12:20	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/13/14 16:29	05/14/14 12:20	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:20	7440-48-4	
Copper	**4.0 I**	ug/L	5.0	2.5	1	05/13/14 16:29	05/14/14 12:20	7440-50-8	
Iron	**31300**	ug/L	40.0	20.0	1	05/13/14 16:29	05/14/14 12:20	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:20	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/13/14 16:29	05/14/14 12:20	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/13/14 16:29	05/14/14 12:20	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/13/14 16:29	05/14/14 12:20	7440-22-4	
Sodium	**24.3**	mg/L	1.0	0.50	1	05/13/14 16:29	05/14/14 12:20	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:20	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/13/14 16:29	05/14/14 12:20	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/13/14 16:29	05/15/14 20:45	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/13/14 16:29	05/15/14 20:45	7440-28-0	J(IS)
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/22/14 13:22	05/23/14 08:55	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/22/14 19:42	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/22/14 19:42	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/22/14 19:42	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/22/14 19:42	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/22/14 19:42	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/22/14 19:42	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	56-23-5	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-9 **Lab ID: 35136536011** Collected: 05/09/14 08:32 Received: 05/10/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/22/14 19:42	74-87-3	J(L2)
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/22/14 19:42	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/22/14 19:42	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/22/14 19:42	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/22/14 19:42	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/22/14 19:42	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	74-88-4	J(L2)
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/22/14 19:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/22/14 19:42	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/22/14 19:42	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/22/14 19:42	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/22/14 19:42	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/22/14 19:42	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-114		1		05/22/14 19:42	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	86-125		1		05/22/14 19:42	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		05/22/14 19:42	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**29.2**	mg/L	25.0	12.5	5		05/13/14 10:43	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**6.1**	mg/L	0.050	0.020	1		05/21/14 18:01	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-10R **Lab ID: 35136536012** Collected: 05/09/14 09:54 Received: 05/10/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.47**	Std. Units			1		05/09/14 09:54		
Field Temperature	**27.30**	deg C			1		05/09/14 09:54		
Field Specific Conductance	**1473**	umhos/cm			1		05/09/14 09:54		
Oxygen, Dissolved	**0.13**	mg/L			1		05/09/14 09:54	7782-44-7	
Turbidity	**1.02**	NTU			1		05/09/14 09:54		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0054U**	ug/L	0.022	0.0054	1	05/21/14 22:15	05/22/14 09:09	96-12-8	
1,2-Dibromoethane (EDB)	**0.0069U**	ug/L	0.011	0.0069	1	05/21/14 22:15	05/22/14 09:09	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**20.8**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:24	7440-38-2	
Barium	**71.7**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:24	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/13/14 16:29	05/14/14 12:24	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/13/14 16:29	05/14/14 12:24	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/13/14 16:29	05/14/14 12:24	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:24	7440-48-4	
Copper	**7.0**	ug/L	5.0	2.5	1	05/13/14 16:29	05/14/14 12:24	7440-50-8	
Iron	**60400**	ug/L	40.0	20.0	1	05/13/14 16:29	05/14/14 12:24	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:24	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/13/14 16:29	05/14/14 12:24	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/13/14 16:29	05/14/14 12:24	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/13/14 16:29	05/14/14 12:24	7440-22-4	
Sodium	**81.4**	mg/L	1.0	0.50	1	05/13/14 16:29	05/14/14 12:24	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:24	7440-62-2	
Zinc	**19.5 I**	ug/L	20.0	10.0	1	05/13/14 16:29	05/14/14 12:24	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/13/14 16:29	05/15/14 20:48	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/13/14 16:29	05/15/14 20:48	7440-28-0	J(IS)
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/22/14 13:22	05/23/14 08:57	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/22/14 20:32	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/22/14 20:32	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/22/14 20:32	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/22/14 20:32	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/22/14 20:32	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/22/14 20:32	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	56-23-5	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-10R **Lab ID: 35136536012** Collected: 05/09/14 09:54 Received: 05/10/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/22/14 20:32	74-87-3	J(L2), J(M0)
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/22/14 20:32	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/22/14 20:32	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/22/14 20:32	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/22/14 20:32	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/22/14 20:32	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	74-88-4	J(L2)
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/22/14 20:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/22/14 20:32	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/22/14 20:32	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/22/14 20:32	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/22/14 20:32	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:32	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-114		1		05/22/14 20:32	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	86-125		1		05/22/14 20:32	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		05/22/14 20:32	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**70.8**	mg/L	10.0	5.0	2		05/13/14 11:02	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**4.6**	mg/L	0.050	0.020	1		05/21/14 18:02	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-8A **Lab ID: 35136536013** Collected: 05/09/14 11:03 Received: 05/10/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.34**	Std. Units			1		05/09/14 11:03		
Field Temperature	**25.74**	deg C			1		05/09/14 11:03		
Field Specific Conductance	**1723**	umhos/cm			1		05/09/14 11:03		
Oxygen, Dissolved	**0.25**	mg/L			1		05/09/14 11:03	7782-44-7	
Turbidity	**6.85**	NTU			1		05/09/14 11:03		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011		Preparation Method: EPA 8011						
1,2-Dibromo-3-chloropropane	**0.0055U**	ug/L	0.022	0.0055	1	05/21/14 22:15	05/22/14 09:40	96-12-8	
1,2-Dibromoethane (EDB)	**0.0069U**	ug/L	0.011	0.0069	1	05/21/14 22:15	05/22/14 09:40	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010		Preparation Method: EPA 3010						
Arsenic	**25.6**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:29	7440-38-2	
Barium	**39.5**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:29	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/13/14 16:29	05/14/14 12:29	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/13/14 16:29	05/14/14 12:29	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/13/14 16:29	05/14/14 12:29	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:29	7440-48-4	
Copper	**3.2 I**	ug/L	5.0	2.5	1	05/13/14 16:29	05/14/14 12:29	7440-50-8	
Iron	**17000**	ug/L	40.0	20.0	1	05/13/14 16:29	05/14/14 12:29	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:29	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/13/14 16:29	05/14/14 12:29	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/13/14 16:29	05/14/14 12:29	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/13/14 16:29	05/14/14 12:29	7440-22-4	
Sodium	**66.6**	mg/L	1.0	0.50	1	05/13/14 16:29	05/14/14 12:29	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:29	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/13/14 16:29	05/14/14 12:29	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020		Preparation Method: EPA 3010						
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/13/14 16:29	05/15/14 20:51	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/13/14 16:29	05/15/14 20:51	7440-28-0	J(IS)
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/22/14 13:22	05/23/14 08:59	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/22/14 20:57	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/22/14 20:57	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/22/14 20:57	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/22/14 20:57	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/22/14 20:57	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/22/14 20:57	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	56-23-5	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-8A **Lab ID: 35136536013** Collected: 05/09/14 11:03 Received: 05/10/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/22/14 20:57	74-87-3	J(L2)
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/22/14 20:57	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/22/14 20:57	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/22/14 20:57	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/22/14 20:57	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/22/14 20:57	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	74-88-4	J(L2)
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/22/14 20:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/22/14 20:57	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/22/14 20:57	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/22/14 20:57	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/22/14 20:57	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/22/14 20:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-114		1		05/22/14 20:57	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	86-125		1		05/22/14 20:57	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		05/22/14 20:57	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**43.7**	mg/L	10.0	5.0	2		05/13/14 11:21	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**10.3**	mg/L	0.050	0.020	1		05/21/14 18:03	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-1R **Lab ID: 35136536015** Collected: 05/09/14 12:41 Received: 05/10/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.92**	Std. Units			1		05/09/14 12:41		
Field Temperature	**24.52**	deg C			1		05/09/14 12:41		
Field Specific Conductance	**502**	umhos/cm			1		05/09/14 12:41		
Oxygen, Dissolved	**1.49**	mg/L			1		05/09/14 12:41	7782-44-7	
Turbidity	**7.82**	NTU			1		05/09/14 12:41		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011		Preparation Method: EPA 8011						
1,2-Dibromo-3-chloropropane	**0.0055U**	ug/L	0.022	0.0055	1	05/21/14 22:15	05/22/14 09:56	96-12-8	
1,2-Dibromoethane (EDB)	**0.0070U**	ug/L	0.011	0.0070	1	05/21/14 22:15	05/22/14 09:56	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010		Preparation Method: EPA 3010						
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:33	7440-38-2	
Barium	**38.8**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:33	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/13/14 16:29	05/14/14 12:33	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/13/14 16:29	05/14/14 12:33	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/13/14 16:29	05/14/14 12:33	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:33	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/13/14 16:29	05/14/14 12:33	7440-50-8	
Iron	**277**	ug/L	40.0	20.0	1	05/13/14 16:29	05/14/14 12:33	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:33	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/13/14 16:29	05/14/14 12:33	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/13/14 16:29	05/14/14 12:33	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/13/14 16:29	05/14/14 12:33	7440-22-4	
Sodium	**18.0**	mg/L	1.0	0.50	1	05/13/14 16:29	05/14/14 12:33	7440-23-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/13/14 16:29	05/14/14 12:33	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/13/14 16:29	05/14/14 12:33	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020		Preparation Method: EPA 3010						
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/13/14 16:29	05/15/14 20:54	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/13/14 16:29	05/15/14 20:54	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/23/14 13:21	05/24/14 07:34	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/22/14 21:22	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/22/14 21:22	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/22/14 21:22	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/22/14 21:22	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/22/14 21:22	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/22/14 21:22	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	56-23-5	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: MW-1R **Lab ID: 35136536015** Collected: 05/09/14 12:41 Received: 05/10/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/22/14 21:22	74-87-3	J(L2)
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/22/14 21:22	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/22/14 21:22	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/22/14 21:22	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/22/14 21:22	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/22/14 21:22	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	74-88-4	J(L2)
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/22/14 21:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/22/14 21:22	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/22/14 21:22	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/22/14 21:22	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/22/14 21:22	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/22/14 21:22	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-114		1		05/22/14 21:22	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	86-125		1		05/22/14 21:22	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		05/22/14 21:22	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**24.8**	mg/L	5.0	2.5	1		05/13/14 11:40	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.039 I**	mg/L	0.050	0.020	1		05/21/14 18:04	7664-41-7	

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(386)672-5668

ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: Trip Blank H **Lab ID: 35136536016** Collected: 05/09/14 08:00 Received: 05/10/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/22/14 17:13	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/22/14 17:13	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/22/14 17:13	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/22/14 17:13	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/22/14 17:13	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/22/14 17:13	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/22/14 17:13	74-87-3	J(L2)
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/22/14 17:13	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/22/14 17:13	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/22/14 17:13	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/22/14 17:13	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/22/14 17:13	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	74-88-4	J(L2)
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/22/14 17:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/22/14 17:13	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/22/14 17:13	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	127-18-4	
Toluene	**1.2**	ug/L	1.0	0.50	1		05/22/14 17:13	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/22/14 17:13	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/22/14 17:13	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/22/14 17:13	1330-20-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Sample: Trip Blank H **Lab ID: 35136536016** Collected: 05/09/14 08:00 Received: 05/10/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-114		1		05/22/14 17:13	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	86-125		1		05/22/14 17:13	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		05/22/14 17:13	2037-26-5	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: MERP/4641 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004, 35136536006, 35136536007

METHOD BLANK: 905689 Matrix: Water
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004, 35136536006, 35136536007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	05/18/14 11:29	

LABORATORY CONTROL SAMPLE: 905690

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 905691 905692

Parameter	Units	35137713008 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	1.9	2.0	95	100	80-120	5	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: MERP/4654 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35136536008, 35136536009, 35136536011, 35136536012, 35136536013

METHOD BLANK: 909446 Matrix: Water
Associated Lab Samples: 35136536008, 35136536009, 35136536011, 35136536012, 35136536013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	05/23/14 08:03	

LABORATORY CONTROL SAMPLE: 909447

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909448 909449

Parameter	Units	35136536008 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	1.3	1.3	66	67	80-120	2	20	J(M1)

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: MERP/4656
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 35136536015

METHOD BLANK: 911009 Matrix: Water
Associated Lab Samples: 35136536015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	05/24/14 07:30	

LABORATORY CONTROL SAMPLE: 911010

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 911011 911012

Parameter	Units	35136536015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10U	2	2	1.8	1.8	89	90	80-120	.6	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: MPRP/18339 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004

METHOD BLANK: 895581 Matrix: Water
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	05/08/14 18:12	
Barium	ug/L	5.0U	10.0	05/08/14 18:12	
Beryllium	ug/L	0.50U	1.0	05/08/14 18:12	
Cadmium	ug/L	0.50U	1.0	05/08/14 18:12	
Chromium	ug/L	2.5U	5.0	05/08/14 18:12	
Cobalt	ug/L	5.0U	10.0	05/08/14 18:12	
Copper	ug/L	2.5U	5.0	05/08/14 18:12	
Iron	ug/L	20.0U	40.0	05/08/14 18:12	
Lead	ug/L	5.0U	10.0	05/08/14 18:12	
Nickel	ug/L	2.5U	5.0	05/08/14 18:12	
Selenium	ug/L	7.5U	15.0	05/08/14 18:12	
Silver	ug/L	2.5U	5.0	05/08/14 18:12	
Sodium	mg/L	0.50U	1.0	05/08/14 18:12	
Vanadium	ug/L	5.0U	10.0	05/08/14 18:12	
Zinc	ug/L	10.0U	20.0	05/08/14 18:12	

LABORATORY CONTROL SAMPLE: 895582

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	247	99	80-120	
Barium	ug/L	250	254	102	80-120	
Beryllium	ug/L	25	26.1	105	80-120	
Cadmium	ug/L	25	25.2	101	80-120	
Chromium	ug/L	250	264	106	80-120	
Cobalt	ug/L	250	253	101	80-120	
Copper	ug/L	250	256	102	80-120	
Iron	ug/L	2500	2570	103	80-120	
Lead	ug/L	250	251	100	80-120	
Nickel	ug/L	250	254	102	80-120	
Selenium	ug/L	250	261	104	80-120	
Silver	ug/L	25	25.8	103	80-120	
Sodium	mg/L	12.5	13.0	104	80-120	
Vanadium	ug/L	250	258	103	80-120	
Zinc	ug/L	1250	1270	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 895583 895584

Parameter	Units	35136323001 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	252	243	101	97	75-125	3	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 895583 895584

Parameter	Units	35136323001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	5.4 I	250	250	262	264	103	103	75-125	7	20	
Beryllium	ug/L	0.50U	25	25	26.1	26.2	104	105	75-125	3	20	
Cadmium	ug/L	0.50U	25	25	25.5	24.7	102	99	75-125	3	20	
Chromium	ug/L	2.5U	250	250	262	265	105	106	75-125	9	20	
Cobalt	ug/L	5.0U	250	250	257	248	103	99	75-125	3	20	
Copper	ug/L	8.1	250	250	264	264	103	102	75-125	2	20	
Iron	ug/L	20.0U	2500	2500	2570	2580	102	103	75-125	5	20	
Lead	ug/L	5.0U	250	250	257	247	103	99	75-125	4	20	
Nickel	ug/L	2.5U	250	250	258	249	103	100	75-125	3	20	
Selenium	ug/L	7.5U	250	250	210	206	84	82	75-125	2	20	
Silver	ug/L	2.5U	25	25	26.2	26.4	105	106	75-125	1	20	
Sodium	mg/L	10.5	12.5	12.5	23.3	23.6	102	105	75-125	1	20	
Vanadium	ug/L	5.0U	250	250	258	259	103	104	75-125	5	20	
Zinc	ug/L	12.4 I	1250	1250	1300	1260	103	100	75-125	3	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: MPRP/18382 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35136536006, 35136536007, 35136536008, 35136536009

METHOD BLANK: 897968 Matrix: Water
Associated Lab Samples: 35136536006, 35136536007, 35136536008, 35136536009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	05/10/14 14:31	
Barium	ug/L	5.0U	10.0	05/10/14 14:31	
Beryllium	ug/L	0.50U	1.0	05/10/14 14:31	
Cadmium	ug/L	0.50U	1.0	05/10/14 14:31	
Chromium	ug/L	2.5U	5.0	05/10/14 14:31	
Cobalt	ug/L	5.0U	10.0	05/10/14 14:31	
Copper	ug/L	2.5U	5.0	05/10/14 14:31	
Iron	ug/L	20.0U	40.0	05/10/14 14:31	
Lead	ug/L	5.0U	10.0	05/10/14 14:31	
Nickel	ug/L	2.5U	5.0	05/10/14 14:31	
Selenium	ug/L	7.5U	15.0	05/10/14 14:31	
Silver	ug/L	2.5U	5.0	05/10/14 14:31	
Sodium	mg/L	0.50U	1.0	05/10/14 14:31	
Vanadium	ug/L	5.0U	10.0	05/10/14 14:31	
Zinc	ug/L	10.0U	20.0	05/10/14 14:31	

LABORATORY CONTROL SAMPLE: 897969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	253	101	80-120	
Barium	ug/L	250	251	100	80-120	
Beryllium	ug/L	25	25.6	103	80-120	
Cadmium	ug/L	25	26.4	105	80-120	
Chromium	ug/L	250	267	107	80-120	
Cobalt	ug/L	250	262	105	80-120	
Copper	ug/L	250	240	96	80-120	
Iron	ug/L	2500	2700	108	80-120	
Lead	ug/L	250	262	105	80-120	
Nickel	ug/L	250	266	106	80-120	
Selenium	ug/L	250	264	105	80-120	
Silver	ug/L	25	25.2	101	80-120	
Sodium	mg/L	12.5	13.2	106	80-120	
Vanadium	ug/L	250	254	102	80-120	
Zinc	ug/L	1250	1290	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 897970 897971

Parameter	Units	35136536006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	84.8	250	250	352	354	107	108	75-125	.6	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 897970 897971

Parameter	Units	35136536006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	99.2	250	250	357	356	103	103	75-125	.1	20	
Beryllium	ug/L	0.50U	25	25	25.9	25.4	103	101	75-125	2	20	
Cadmium	ug/L	2.5U	25	25	24.9	25.0	100	100	75-125	.2	20	
Chromium	ug/L	2.8 I	250	250	264	265	104	105	75-125	.4	20	
Cobalt	ug/L	5.0U	250	250	267	267	107	107	75-125	.1	20	
Copper	ug/L	8.7	250	250	258	260	100	100	75-125	.6	20	
Iron	ug/L	97500	2500	2500	103000	101000	226	154	75-125	2	20	J(M1)
Lead	ug/L	5.0U	250	250	265	265	106	106	75-125	.1	20	
Nickel	ug/L	2.5U	250	250	263	264	105	105	75-125	.3	20	
Selenium	ug/L	7.5U	250	250	274	271	109	108	75-125	1	20	
Silver	ug/L	2.5U	25	25	26.2	25.9	105	103	75-125	1	20	
Sodium	mg/L	57.9	12.5	12.5	72.4	71.9	116	112	75-125	.7	20	
Vanadium	ug/L	5.0U	250	250	258	259	102	102	75-125	.2	20	
Zinc	ug/L	10.0U	1250	1250	1330	1330	106	106	75-125	.3	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: MPRP/18449 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35136536011, 35136536012, 35136536013, 35136536015

METHOD BLANK: 901024 Matrix: Water
Associated Lab Samples: 35136536011, 35136536012, 35136536013, 35136536015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	05/14/14 10:30	
Barium	ug/L	5.0U	10.0	05/14/14 10:30	
Beryllium	ug/L	0.50U	1.0	05/14/14 10:30	
Cadmium	ug/L	0.50U	1.0	05/14/14 10:30	
Chromium	ug/L	2.5U	5.0	05/14/14 10:30	
Cobalt	ug/L	5.0U	10.0	05/14/14 10:30	
Copper	ug/L	2.5U	5.0	05/14/14 10:30	
Iron	ug/L	20.0U	40.0	05/14/14 10:30	
Lead	ug/L	5.0U	10.0	05/14/14 10:30	
Nickel	ug/L	2.5U	5.0	05/14/14 10:30	
Selenium	ug/L	7.5U	15.0	05/14/14 10:30	
Silver	ug/L	2.5U	5.0	05/14/14 10:30	
Sodium	mg/L	0.50U	1.0	05/14/14 10:30	
Vanadium	ug/L	5.0U	10.0	05/14/14 10:30	
Zinc	ug/L	10.0U	20.0	05/14/14 10:30	

LABORATORY CONTROL SAMPLE: 901025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	262	105	80-120	
Barium	ug/L	250	265	106	80-120	
Beryllium	ug/L	25	26.7	107	80-120	
Cadmium	ug/L	25	27.2	109	80-120	
Chromium	ug/L	250	276	110	80-120	
Cobalt	ug/L	250	270	108	80-120	
Copper	ug/L	250	262	105	80-120	
Iron	ug/L	2500	2680	107	80-120	
Lead	ug/L	250	271	109	80-120	
Nickel	ug/L	250	274	110	80-120	
Selenium	ug/L	250	274	109	80-120	
Silver	ug/L	25	26.6	107	80-120	
Sodium	mg/L	12.5	13.4	107	80-120	
Vanadium	ug/L	250	269	108	80-120	
Zinc	ug/L	1250	1350	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 901026 901027

Parameter	Units	35137254001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	24.6	250	250	291	288	107	105	75-125	1	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 901026 901027

Parameter	Units	35137254001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	27.5	250	250	294	289	107	105	75-125	2	20	
Beryllium	ug/L	0.50U	25	25	27.4	27.4	109	109	75-125	.3	20	
Cadmium	ug/L	0.50U	25	25	26.9	26.6	108	106	75-125	1	20	
Chromium	ug/L	2.5U	250	250	279	280	111	112	75-125	.4	20	
Cobalt	ug/L	5.0U	250	250	272	269	109	107	75-125	1	20	
Copper	ug/L	36.9	250	250	304	307	107	108	75-125	1	20	
Iron	ug/L	32.2 I	2500	2500	2740	2670	108	106	75-125	3	20	
Lead	ug/L	5.0U	250	250	272	268	109	107	75-125	2	20	
Nickel	ug/L	2.5U	250	250	275	271	110	108	75-125	2	20	
Selenium	ug/L	7.5U	250	250	273	267	109	107	75-125	2	20	
Silver	ug/L	2.5U	25	25	27.1	27.0	108	108	75-125	.5	20	
Sodium	mg/L	16400 ug/L	12.5	12.5	29.4	29.3	104	104	75-125	.3	20	
Vanadium	ug/L	5.0U	250	250	274	276	109	109	75-125	.8	20	
Zinc	ug/L	10.0U	1250	1250	1360	1340	108	106	75-125	2	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: MPRP/18340 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004

METHOD BLANK: 895585 Matrix: Water
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	05/08/14 19:30	
Thallium	ug/L	0.50U	1.0	05/08/14 19:30	

LABORATORY CONTROL SAMPLE: 895586

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	47.6	95	80-120	
Thallium	ug/L	50	48.4	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 895587 895588

Parameter	Units	35136323002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50U	50	50	46.8	47.8	94	95	75-125	2	20	
Thallium	ug/L	0.50U	50	50	50.2	51.1	100	102	75-125	2	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: MPRP/18383 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35136536006, 35136536007, 35136536008, 35136536009

METHOD BLANK: 897972 Matrix: Water
Associated Lab Samples: 35136536006, 35136536007, 35136536008, 35136536009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	05/15/14 13:06	
Thallium	ug/L	0.50U	1.0	05/15/14 13:06	

LABORATORY CONTROL SAMPLE: 897973

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	48.1	96	80-120	
Thallium	ug/L	50	49.4	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 897974 897975

Parameter	Units	35136536007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50U	50	50	46.6	46.7	93	93	75-125	.3	20	
Thallium	ug/L	0.50U	50	50	54.3	54.4	109	109	75-125	.3	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: MPRP/18450 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35136536011, 35136536012, 35136536013, 35136536015

METHOD BLANK: 901030 Matrix: Water
Associated Lab Samples: 35136536011, 35136536012, 35136536013, 35136536015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	05/15/14 19:18	
Thallium	ug/L	0.50U	1.0	05/15/14 19:18	

LABORATORY CONTROL SAMPLE: 901031

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.0	98	80-120	
Thallium	ug/L	50	47.4	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 901032 901033

Parameter	Units	35137254002 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	48.0	47.9	96	95	75-125	.3	20	
Thallium	ug/L	0.50U	50	50	49.6	50.2	99	100	75-125	1	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: MSV/11692 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004, 35136536005

METHOD BLANK: 905453 Matrix: Water
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004, 35136536005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	05/17/14 11:27	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	05/17/14 11:27	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	05/17/14 11:27	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	05/17/14 11:27	
1,1-Dichloroethane	ug/L	0.50U	1.0	05/17/14 11:27	
1,1-Dichloroethene	ug/L	0.50U	1.0	05/17/14 11:27	
1,2,3-Trichloropropane	ug/L	0.59U	1.0	05/17/14 11:27	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	05/17/14 11:27	
1,2-Dichloroethane	ug/L	0.50U	1.0	05/17/14 11:27	
1,2-Dichloropropane	ug/L	0.50U	1.0	05/17/14 11:27	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	05/17/14 11:27	
2-Butanone (MEK)	ug/L	5.0U	10.0	05/17/14 11:27	
2-Hexanone	ug/L	5.0U	10.0	05/17/14 11:27	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	05/17/14 11:27	
Acetone	ug/L	10.0U	20.0	05/17/14 11:27	
Acrylonitrile	ug/L	5.0U	10.0	05/17/14 11:27	
Benzene	ug/L	0.10U	1.0	05/17/14 11:27	
Bromochloromethane	ug/L	0.50U	1.0	05/17/14 11:27	
Bromodichloromethane	ug/L	0.27U	0.60	05/17/14 11:27	
Bromoform	ug/L	0.50U	1.0	05/17/14 11:27	
Bromomethane	ug/L	0.50U	1.0	05/17/14 11:27	
Carbon disulfide	ug/L	5.0U	10.0	05/17/14 11:27	
Carbon tetrachloride	ug/L	0.50U	1.0	05/17/14 11:27	
Chlorobenzene	ug/L	0.50U	1.0	05/17/14 11:27	
Chloroethane	ug/L	0.50U	1.0	05/17/14 11:27	
Chloroform	ug/L	0.50U	1.0	05/17/14 11:27	
Chloromethane	ug/L	0.62U	1.0	05/17/14 11:27	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	05/17/14 11:27	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	05/17/14 11:27	
Dibromochloromethane	ug/L	0.26U	0.50	05/17/14 11:27	
Dibromomethane	ug/L	0.50U	1.0	05/17/14 11:27	
Ethylbenzene	ug/L	0.50U	1.0	05/17/14 11:27	
Iodomethane	ug/L	0.50U	1.0	05/17/14 11:27	
Methylene Chloride	ug/L	2.5U	5.0	05/17/14 11:27	
Styrene	ug/L	0.50U	1.0	05/17/14 11:27	
Tetrachloroethene	ug/L	0.50U	1.0	05/17/14 11:27	
Toluene	ug/L	0.50U	1.0	05/17/14 11:27	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	05/17/14 11:27	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	05/17/14 11:27	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	05/17/14 11:27	
Trichloroethene	ug/L	0.50U	1.0	05/17/14 11:27	
Trichlorofluoromethane	ug/L	0.50U	1.0	05/17/14 11:27	
Vinyl acetate	ug/L	1.0U	2.0	05/17/14 11:27	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

METHOD BLANK: 905453 Matrix: Water
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004, 35136536005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	0.50U	1.0	05/17/14 11:27	
Xylene (Total)	ug/L	0.50U	1.0	05/17/14 11:27	
1,2-Dichloroethane-d4 (S)	%	92	86-125	05/17/14 11:27	
4-Bromofluorobenzene (S)	%	108	70-114	05/17/14 11:27	
Toluene-d8 (S)	%	103	87-113	05/17/14 11:27	

LABORATORY CONTROL SAMPLE: 905454

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.7	98	70-130	
1,1,1-Trichloroethane	ug/L	20	18.9	94	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.3	86	70-130	
1,1,2-Trichloroethane	ug/L	20	18.1	90	70-130	
1,1-Dichloroethane	ug/L	20	16.7	84	70-130	
1,1-Dichloroethene	ug/L	20	16.4	82	70-130	
1,2,3-Trichloropropane	ug/L	20	20.0	100	70-130	
1,2-Dichlorobenzene	ug/L	20	17.1	85	70-130	
1,2-Dichloroethane	ug/L	20	16.5	83	70-130	
1,2-Dichloropropane	ug/L	20	16.0	80	70-130	
1,4-Dichlorobenzene	ug/L	20	18.5	92	70-130	
2-Butanone (MEK)	ug/L	40	32.1	80	55-167	
2-Hexanone	ug/L	40	40.1	100	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	38.6	96	70-130	
Acetone	ug/L	40	34.3	86	40-150	
Acrylonitrile	ug/L	200	155	77	70-130	
Benzene	ug/L	20	17.6	88	70-130	
Bromochloromethane	ug/L	20	18.9	95	70-130	
Bromodichloromethane	ug/L	20	16.7	83	70-130	
Bromoform	ug/L	20	18.9	94	68-130	
Bromomethane	ug/L	20	15.9	80	38-179	
Carbon disulfide	ug/L	20	17.1	85	51-155	
Carbon tetrachloride	ug/L	20	17.6	88	70-130	
Chlorobenzene	ug/L	20	19.0	95	70-130	
Chloroethane	ug/L	20	15.1	76	59-149	
Chloroform	ug/L	20	16.5	83	70-130	
Chloromethane	ug/L	20	16.7	84	68-130	
cis-1,2-Dichloroethene	ug/L	20	16.0	80	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.2	91	70-130	
Dibromochloromethane	ug/L	20	19.7	98	70-130	
Dibromomethane	ug/L	20	17.5	88	70-130	
Ethylbenzene	ug/L	20	18.2	91	70-130	
Iodomethane	ug/L	40	25.1	63	43-160	
Methylene Chloride	ug/L	20	16.2	81	70-130	
Styrene	ug/L	20	18.8	94	70-130	
Tetrachloroethene	ug/L	20	18.4	92	66-133	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

LABORATORY CONTROL SAMPLE: 905454

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	18.9	94	70-130	
trans-1,2-Dichloroethene	ug/L	20	15.4	77	70-130	
trans-1,3-Dichloropropene	ug/L	20	17.8	89	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	17.5	87	65-130	
Trichloroethene	ug/L	20	18.1	90	70-130	
Trichlorofluoromethane	ug/L	20	18.2	91	70-131	
Vinyl acetate	ug/L	20	16.6	83	69-135	
Vinyl chloride	ug/L	20	16.2	81	69-140	
Xylene (Total)	ug/L	60	55.3	92	70-130	
1,2-Dichloroethane-d4 (S)	%			87	86-125	
4-Bromofluorobenzene (S)	%			105	70-114	
Toluene-d8 (S)	%			99	87-113	

MATRIX SPIKE SAMPLE: 905455

Parameter	Units	35136557001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	23.7	119	39-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	21.7	108	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	20.2	101	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	21.8	109	50-130	
1,1-Dichloroethane	ug/L	0.50U	20	20.9	104	54-137	
1,1-Dichloroethene	ug/L	0.50U	20	19.9	99	45-155	
1,2,3-Trichloropropane	ug/L	0.59U	20	22.4	112	31-132	
1,2-Dichlorobenzene	ug/L	0.50U	20	19.0	95	43-130	
1,2-Dichloroethane	ug/L	0.50U	20	20.3	101	54-130	
1,2-Dichloropropane	ug/L	0.50U	20	17.6	88	53-130	
1,4-Dichlorobenzene	ug/L	0.50U	20	20.0	100	38-130	
2-Butanone (MEK)	ug/L	5.0U	40	33.7	84	48-138	
2-Hexanone	ug/L	5.0U	40	45.3	113	38-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	43.2	108	28-143	
Acetone	ug/L	10.0U	40	49.7	105	20-140	
Acrylonitrile	ug/L	5.0U	200	182	91	46-130	
Benzene	ug/L	0.30 I	20	21.9	108	53-132	
Bromochloromethane	ug/L	0.50U	20	22.5	112	54-132	
Bromodichloromethane	ug/L	0.27U	20	20.4	102	46-130	
Bromoform	ug/L	0.50U	20	22.4	112	32-130	
Bromomethane	ug/L	0.50U	20	14.4	72	20-152	
Carbon disulfide	ug/L	5.0U	20	17.3	86	28-184	
Carbon tetrachloride	ug/L	0.50U	20	22.9	114	37-137	
Chlorobenzene	ug/L	0.50U	20	23.3	115	46-130	
Chloroethane	ug/L	0.50U	20	20.5	103	48-159	
Chloroform	ug/L	0.50U	20	19.7	99	51-130	
Chloromethane	ug/L	0.62U	20	17.7	89	39-144	
cis-1,2-Dichloroethene	ug/L	0.50U	20	20.6	103	54-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	20.0	100	45-130	
Dibromochloromethane	ug/L	0.26U	20	23.2	116	43-130	
Dibromomethane	ug/L	0.50U	20	20.8	104	50-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

MATRIX SPIKE SAMPLE: 905455

Parameter	Units	35136557001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	0.50U	20	22.2	111	43-130	
Iodomethane	ug/L	0.50U	40	23.5	59	20-169	
Methylene Chloride	ug/L	2.5U	20	19.5	98	51-135	
Styrene	ug/L	0.50U	20	21.6	108	40-130	
Tetrachloroethene	ug/L	0.50U	20	20.1	100	26-130	
Toluene	ug/L	0.50U	20	22.9	114	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	20.7	104	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	21.0	105	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	17.7	88	20-139	
Trichloroethene	ug/L	0.50U	20	20.9	105	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	23.1	116	46-146	
Vinyl acetate	ug/L	1.0U	20	15.3	77	20-165	
Vinyl chloride	ug/L	0.50U	20	19.5	98	57-142	
Xylene (Total)	ug/L	0.50U	60	66.5	111	42-130	
1,2-Dichloroethane-d4 (S)	%				100	86-125	
4-Bromofluorobenzene (S)	%				113	70-114	
Toluene-d8 (S)	%				98	87-113	

SAMPLE DUPLICATE: 905456

Parameter	Units	35136557002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.59U	0.59U		40	
1,2-Dichlorobenzene	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane	ug/L	0.50U	0.50U		40	
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,4-Dichlorobenzene	ug/L	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	0.10U	0.10U		40	
Bromochloromethane	ug/L	0.50U	0.50U		40	
Bromodichloromethane	ug/L	0.27U	0.27U		40	
Bromoform	ug/L	0.50U	0.50U		40	
Bromomethane	ug/L	0.50U	0.50U		40	
Carbon disulfide	ug/L	5.0U	5.0U		40	
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	0.50U	0.50U		40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	

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(386)672-5668

QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

SAMPLE DUPLICATE: 905456

Parameter	Units	35136557002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloromethane	ug/L	0.62U	0.62U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.50U	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane-d4 (S)	%	94	96	3		
4-Bromofluorobenzene (S)	%	114	108	6		
Toluene-d8 (S)	%	103	101	1		

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: MSV/11698 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35136536006, 35136536007, 35136536008, 35136536009, 35136536010

METHOD BLANK: 905587 Matrix: Water
Associated Lab Samples: 35136536006, 35136536007, 35136536008, 35136536009, 35136536010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	05/18/14 00:19	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	05/18/14 00:19	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	05/18/14 00:19	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	05/18/14 00:19	
1,1-Dichloroethane	ug/L	0.50U	1.0	05/18/14 00:19	
1,1-Dichloroethene	ug/L	0.50U	1.0	05/18/14 00:19	
1,2,3-Trichloropropane	ug/L	0.59U	1.0	05/18/14 00:19	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	05/18/14 00:19	
1,2-Dichloroethane	ug/L	0.50U	1.0	05/18/14 00:19	
1,2-Dichloropropane	ug/L	0.50U	1.0	05/18/14 00:19	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	05/18/14 00:19	
2-Butanone (MEK)	ug/L	5.0U	10.0	05/18/14 00:19	
2-Hexanone	ug/L	5.0U	10.0	05/18/14 00:19	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	05/18/14 00:19	
Acetone	ug/L	10.0U	20.0	05/18/14 00:19	
Acrylonitrile	ug/L	5.0U	10.0	05/18/14 00:19	
Benzene	ug/L	0.10U	1.0	05/18/14 00:19	
Bromochloromethane	ug/L	0.50U	1.0	05/18/14 00:19	
Bromodichloromethane	ug/L	0.27U	0.60	05/18/14 00:19	
Bromoform	ug/L	0.50U	1.0	05/18/14 00:19	
Bromomethane	ug/L	0.50U	1.0	05/18/14 00:19	
Carbon disulfide	ug/L	5.0U	10.0	05/18/14 00:19	
Carbon tetrachloride	ug/L	0.50U	1.0	05/18/14 00:19	
Chlorobenzene	ug/L	0.50U	1.0	05/18/14 00:19	
Chloroethane	ug/L	0.50U	1.0	05/18/14 00:19	
Chloroform	ug/L	0.50U	1.0	05/18/14 00:19	
Chloromethane	ug/L	0.62U	1.0	05/18/14 00:19	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	05/18/14 00:19	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	05/18/14 00:19	
Dibromochloromethane	ug/L	0.26U	0.50	05/18/14 00:19	
Dibromomethane	ug/L	0.50U	1.0	05/18/14 00:19	
Ethylbenzene	ug/L	0.50U	1.0	05/18/14 00:19	
Iodomethane	ug/L	0.50U	1.0	05/18/14 00:19	
Methylene Chloride	ug/L	2.5U	5.0	05/18/14 00:19	
Styrene	ug/L	0.50U	1.0	05/18/14 00:19	
Tetrachloroethene	ug/L	0.50U	1.0	05/18/14 00:19	
Toluene	ug/L	0.50U	1.0	05/18/14 00:19	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	05/18/14 00:19	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	05/18/14 00:19	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	05/18/14 00:19	
Trichloroethene	ug/L	0.50U	1.0	05/18/14 00:19	
Trichlorofluoromethane	ug/L	0.50U	1.0	05/18/14 00:19	
Vinyl acetate	ug/L	1.0U	2.0	05/18/14 00:19	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

METHOD BLANK: 905587 Matrix: Water
Associated Lab Samples: 35136536006, 35136536007, 35136536008, 35136536009, 35136536010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	0.50U	1.0	05/18/14 00:19	
Xylene (Total)	ug/L	0.50U	1.0	05/18/14 00:19	
1,2-Dichloroethane-d4 (S)	%	94	86-125	05/18/14 00:19	
4-Bromofluorobenzene (S)	%	103	70-114	05/18/14 00:19	
Toluene-d8 (S)	%	99	87-113	05/18/14 00:19	

LABORATORY CONTROL SAMPLE: 905588

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.2	101	70-130	
1,1,1-Trichloroethane	ug/L	20	18.3	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.6	93	70-130	
1,1,2-Trichloroethane	ug/L	20	20.7	103	70-130	
1,1-Dichloroethane	ug/L	20	17.9	89	70-130	
1,1-Dichloroethene	ug/L	20	15.8	79	70-130	
1,2,3-Trichloropropane	ug/L	20	22.2	111	70-130	
1,2-Dichlorobenzene	ug/L	20	18.7	93	70-130	
1,2-Dichloroethane	ug/L	20	18.7	94	70-130	
1,2-Dichloropropane	ug/L	20	16.7	83	70-130	
1,4-Dichlorobenzene	ug/L	20	18.1	91	70-130	
2-Butanone (MEK)	ug/L	40	36.4	91	55-167	
2-Hexanone	ug/L	40	47.5	119	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	41.7	104	70-130	
Acetone	ug/L	40	54.1	135	40-150	
Acrylonitrile	ug/L	200	199	99	70-130	
Benzene	ug/L	20	18.6	93	70-130	
Bromochloromethane	ug/L	20	21.5	107	70-130	
Bromodichloromethane	ug/L	20	18.8	94	70-130	
Bromoform	ug/L	20	21.2	106	68-130	
Bromomethane	ug/L	20	16.1	80	38-179	
Carbon disulfide	ug/L	20	15.1	75	51-155	
Carbon tetrachloride	ug/L	20	18.0	90	70-130	
Chlorobenzene	ug/L	20	19.7	99	70-130	
Chloroethane	ug/L	20	18.6	93	59-149	
Chloroform	ug/L	20	17.8	89	70-130	
Chloromethane	ug/L	20	17.3	87	68-130	
cis-1,2-Dichloroethene	ug/L	20	17.3	86	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.8	89	70-130	
Dibromochloromethane	ug/L	20	20.2	101	70-130	
Dibromomethane	ug/L	20	20.5	102	70-130	
Ethylbenzene	ug/L	20	18.9	94	70-130	
Iodomethane	ug/L	40	23.1	58	43-160	
Methylene Chloride	ug/L	20	17.3	86	70-130	
Styrene	ug/L	20	19.8	99	70-130	
Tetrachloroethene	ug/L	20	23.1	115	66-133	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

LABORATORY CONTROL SAMPLE: 905588

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	19.1	95	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.8	89	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.4	97	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	18.1	91	65-130	
Trichloroethene	ug/L	20	17.9	90	70-130	
Trichlorofluoromethane	ug/L	20	16.3	81	70-131	
Vinyl acetate	ug/L	20	16.9	85	69-135	
Vinyl chloride	ug/L	20	16.1	81	69-140	
Xylene (Total)	ug/L	60	56.5	94	70-130	
1,2-Dichloroethane-d4 (S)	%			90	86-125	
4-Bromofluorobenzene (S)	%			111	70-114	
Toluene-d8 (S)	%			99	87-113	

MATRIX SPIKE SAMPLE: 905589

Parameter	Units	35137398005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	19.9	100	39-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	19.2	96	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	15.5	77	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	19.3	97	50-130	
1,1-Dichloroethane	ug/L	0.50U	20	16.8	84	54-137	
1,1-Dichloroethene	ug/L	0.50U	20	15.9	80	45-155	
1,2,3-Trichloropropane	ug/L	0.59U	20	17.6	88	31-132	
1,2-Dichlorobenzene	ug/L	0.50U	20	16.3	81	43-130	
1,2-Dichloroethane	ug/L	0.50U	20	17.3	86	54-130	
1,2-Dichloropropane	ug/L	0.50U	20	15.7	78	53-130	
1,4-Dichlorobenzene	ug/L	0.50U	20	16.4	82	38-130	
2-Butanone (MEK)	ug/L	5.0U	40	30.9	77	48-138	
2-Hexanone	ug/L	5.0U	40	42.1	105	38-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	39.1	98	28-143	
Acetone	ug/L	10.0U	40	46.0	103	20-140	
Acrylonitrile	ug/L	5.0U	200	165	83	46-130	
Benzene	ug/L	0.10U	20	17.6	88	53-132	
Bromochloromethane	ug/L	0.50U	20	19.4	97	54-132	
Bromodichloromethane	ug/L	0.27U	20	17.4	87	46-130	
Bromoform	ug/L	0.50U	20	18.7	94	32-130	
Bromomethane	ug/L	0.50U	20	13.2	66	20-152	
Carbon disulfide	ug/L	5.0U	20	18.3	90	28-184	
Carbon tetrachloride	ug/L	0.50U	20	18.9	94	37-137	
Chlorobenzene	ug/L	0.50U	20	20.0	100	46-130	
Chloroethane	ug/L	0.50U	20	18.0	90	48-159	
Chloroform	ug/L	0.50U	20	17.0	85	51-130	
Chloromethane	ug/L	0.62U	20	17.9	90	39-144	
cis-1,2-Dichloroethene	ug/L	0.50U	20	16.7	84	54-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	15.8	79	45-130	
Dibromochloromethane	ug/L	0.26U	20	19.4	97	43-130	
Dibromomethane	ug/L	0.50U	20	17.3	87	50-130	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

MATRIX SPIKE SAMPLE: 905589

Parameter	Units	35137398005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	0.50U	20	19.2	96	43-130	
Iodomethane	ug/L	0.50U	40	23.4	58	20-169	
Methylene Chloride	ug/L	2.5U	20	15.5	78	51-135	
Styrene	ug/L	0.50U	20	18.7	94	40-130	
Tetrachloroethene	ug/L	0.50U	20	17.2	86	26-130	
Toluene	ug/L	0.50U	20	19.8	99	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	16.8	84	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	16.5	82	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	14.5	73	20-139	
Trichloroethene	ug/L	0.50U	20	19.0	95	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	23.0	115	46-146	
Vinyl acetate	ug/L	1.0U	20	12.4	62	20-165	
Vinyl chloride	ug/L	0.50U	20	20.9	105	57-142	
Xylene (Total)	ug/L	0.50U	60	57.0	95	42-130	
1,2-Dichloroethane-d4 (S)	%				95	86-125	
4-Bromofluorobenzene (S)	%				112	70-114	
Toluene-d8 (S)	%				101	87-113	

SAMPLE DUPLICATE: 905590

Parameter	Units	35137398006 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.59U	0.59U		40	
1,2-Dichlorobenzene	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane	ug/L	0.50U	0.50U		40	
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,4-Dichlorobenzene	ug/L	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	0.10U	0.10U		40	
Bromochloromethane	ug/L	0.50U	0.50U		40	
Bromodichloromethane	ug/L	0.27U	0.27U		40	
Bromoform	ug/L	0.50U	0.50U		40	
Bromomethane	ug/L	0.50U	0.50U		40	
Carbon disulfide	ug/L	5.0U	5.0U		40	
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	0.50U	0.50U		40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

SAMPLE DUPLICATE: 905590

Parameter	Units	35137398006 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloromethane	ug/L	0.62U	0.62U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.50U	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane-d4 (S)	%	91	100	9		
4-Bromofluorobenzene (S)	%	112	110	3		
Toluene-d8 (S)	%	94	102	8		

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: MSV/11747 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35136536011, 35136536012, 35136536013, 35136536015, 35136536016

METHOD BLANK: 909528 Matrix: Water
Associated Lab Samples: 35136536011, 35136536012, 35136536013, 35136536015, 35136536016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	05/22/14 10:48	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	05/22/14 10:48	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	05/22/14 10:48	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	05/22/14 10:48	
1,1-Dichloroethane	ug/L	0.50U	1.0	05/22/14 10:48	
1,1-Dichloroethene	ug/L	0.50U	1.0	05/22/14 10:48	
1,2,3-Trichloropropane	ug/L	0.59U	1.0	05/22/14 10:48	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	05/22/14 10:48	
1,2-Dichloroethane	ug/L	0.50U	1.0	05/22/14 10:48	
1,2-Dichloropropane	ug/L	0.50U	1.0	05/22/14 10:48	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	05/22/14 10:48	
2-Butanone (MEK)	ug/L	5.0U	10.0	05/22/14 10:48	
2-Hexanone	ug/L	5.0U	10.0	05/22/14 10:48	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	05/22/14 10:48	
Acetone	ug/L	10.0U	20.0	05/22/14 10:48	
Acrylonitrile	ug/L	5.0U	10.0	05/22/14 10:48	
Benzene	ug/L	0.10U	1.0	05/22/14 10:48	
Bromochloromethane	ug/L	0.50U	1.0	05/22/14 10:48	
Bromodichloromethane	ug/L	0.27U	0.60	05/22/14 10:48	
Bromoform	ug/L	0.50U	1.0	05/22/14 10:48	
Bromomethane	ug/L	0.50U	1.0	05/22/14 10:48	
Carbon disulfide	ug/L	5.0U	10.0	05/22/14 10:48	
Carbon tetrachloride	ug/L	0.50U	1.0	05/22/14 10:48	
Chlorobenzene	ug/L	0.50U	1.0	05/22/14 10:48	
Chloroethane	ug/L	0.50U	1.0	05/22/14 10:48	
Chloroform	ug/L	0.50U	1.0	05/22/14 10:48	
Chloromethane	ug/L	0.62U	1.0	05/22/14 10:48	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	05/22/14 10:48	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	05/22/14 10:48	
Dibromochloromethane	ug/L	0.26U	0.50	05/22/14 10:48	
Dibromomethane	ug/L	0.50U	1.0	05/22/14 10:48	
Ethylbenzene	ug/L	0.50U	1.0	05/22/14 10:48	
Iodomethane	ug/L	0.50U	1.0	05/22/14 10:48	
Methylene Chloride	ug/L	2.5U	5.0	05/22/14 10:48	
Styrene	ug/L	0.50U	1.0	05/22/14 10:48	
Tetrachloroethene	ug/L	0.50U	1.0	05/22/14 10:48	
Toluene	ug/L	0.50U	1.0	05/22/14 10:48	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	05/22/14 10:48	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	05/22/14 10:48	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	05/22/14 10:48	
Trichloroethene	ug/L	0.50U	1.0	05/22/14 10:48	
Trichlorofluoromethane	ug/L	0.50U	1.0	05/22/14 10:48	
Vinyl acetate	ug/L	1.0U	2.0	05/22/14 10:48	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

METHOD BLANK: 909528 Matrix: Water
Associated Lab Samples: 35136536011, 35136536012, 35136536013, 35136536015, 35136536016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	0.50U	1.0	05/22/14 10:48	
Xylene (Total)	ug/L	0.50U	1.0	05/22/14 10:48	
1,2-Dichloroethane-d4 (S)	%	99	86-125	05/22/14 10:48	
4-Bromofluorobenzene (S)	%	96	70-114	05/22/14 10:48	
Toluene-d8 (S)	%	100	87-113	05/22/14 10:48	

LABORATORY CONTROL SAMPLE: 909529

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.0	95	70-130	
1,1,1-Trichloroethane	ug/L	20	19.3	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.2	96	70-130	
1,1,2-Trichloroethane	ug/L	20	18.6	93	70-130	
1,1-Dichloroethane	ug/L	20	19.3	97	70-130	
1,1-Dichloroethene	ug/L	20	18.9	94	70-130	
1,2,3-Trichloropropane	ug/L	20	18.8	94	70-130	
1,2-Dichlorobenzene	ug/L	20	18.4	92	70-130	
1,2-Dichloroethane	ug/L	20	18.7	93	70-130	
1,2-Dichloropropane	ug/L	20	19.3	96	70-130	
1,4-Dichlorobenzene	ug/L	20	18.7	93	70-130	
2-Butanone (MEK)	ug/L	40	38.2	96	55-167	
2-Hexanone	ug/L	40	36.2	90	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	36.5	91	70-130	
Acetone	ug/L	40	40.2	100	40-150	
Acrylonitrile	ug/L	200	186	93	70-130	
Benzene	ug/L	20	19.8	99	70-130	
Bromochloromethane	ug/L	20	21.1	106	70-130	
Bromodichloromethane	ug/L	20	19.1	96	70-130	
Bromoform	ug/L	20	16.4	82	68-130	
Bromomethane	ug/L	20	17.3	87	38-179	
Carbon disulfide	ug/L	20	19.4	97	51-155	
Carbon tetrachloride	ug/L	20	19.3	97	70-130	
Chlorobenzene	ug/L	20	19.5	97	70-130	
Chloroethane	ug/L	20	19.3	96	59-149	
Chloroform	ug/L	20	19.5	98	70-130	
Chloromethane	ug/L	20	9.1	46	68-130	J(L0)
cis-1,2-Dichloroethene	ug/L	20	19.5	98	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.5	98	70-130	
Dibromochloromethane	ug/L	20	17.8	89	70-130	
Dibromomethane	ug/L	20	18.8	94	70-130	
Ethylbenzene	ug/L	20	19.4	97	70-130	
Iodomethane	ug/L	40	16.0	40	43-160	J(L0)
Methylene Chloride	ug/L	20	19.3	96	70-130	
Styrene	ug/L	20	18.7	93	70-130	
Tetrachloroethene	ug/L	20	16.0	80	66-133	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

LABORATORY CONTROL SAMPLE: 909529

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	19.5	97	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.4	87	70-130	
trans-1,3-Dichloropropene	ug/L	20	17.8	89	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	16.9	84	65-130	
Trichloroethene	ug/L	20	19.7	99	70-130	
Trichlorofluoromethane	ug/L	20	19.5	98	70-131	
Vinyl acetate	ug/L	20	20.3	102	69-135	
Vinyl chloride	ug/L	20	16.8	84	69-140	
Xylene (Total)	ug/L	60	57.7	96	70-130	
1,2-Dichloroethane-d4 (S)	%			106	86-125	
4-Bromofluorobenzene (S)	%			101	70-114	
Toluene-d8 (S)	%			101	87-113	

MATRIX SPIKE SAMPLE: 909797

Parameter	Units	35136536012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	20.3	102	39-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	22.0	110	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	20.9	104	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	19.8	99	50-130	
1,1-Dichloroethane	ug/L	0.50U	20	21.7	108	54-137	
1,1-Dichloroethene	ug/L	0.50U	20	20.9	104	45-155	
1,2,3-Trichloropropane	ug/L	0.59U	20	20.9	104	31-132	
1,2-Dichlorobenzene	ug/L	0.50U	20	19.8	99	43-130	
1,2-Dichloroethane	ug/L	0.50U	20	20.4	102	54-130	
1,2-Dichloropropane	ug/L	0.50U	20	20.6	103	53-130	
1,4-Dichlorobenzene	ug/L	0.50U	20	20.3	101	38-130	
2-Butanone (MEK)	ug/L	5.0U	40	34.2	86	48-138	
2-Hexanone	ug/L	5.0U	40	34.7	87	38-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	35.3	88	28-143	
Acetone	ug/L	10.0U	40	38.0	77	20-140	
Acrylonitrile	ug/L	5.0U	200	178	89	46-130	
Benzene	ug/L	0.10U	20	21.5	108	53-132	
Bromochloromethane	ug/L	0.50U	20	22.0	110	54-132	
Bromodichloromethane	ug/L	0.27U	20	19.9	100	46-130	
Bromoform	ug/L	0.50U	20	16.9	85	32-130	
Bromomethane	ug/L	0.50U	20	8.7	44	20-152	
Carbon disulfide	ug/L	5.0U	20	19.4	97	28-184	
Carbon tetrachloride	ug/L	0.50U	20	21.4	107	37-137	
Chlorobenzene	ug/L	0.50U	20	21.0	105	46-130	
Chloroethane	ug/L	0.50U	20	20.4	102	48-159	
Chloroform	ug/L	0.50U	20	21.1	106	51-130	
Chloromethane	ug/L	0.62U	20	6.5	32	39-144	J(M0)
cis-1,2-Dichloroethene	ug/L	0.50U	20	21.0	105	54-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	19.5	97	45-130	
Dibromochloromethane	ug/L	0.26U	20	18.6	93	43-130	
Dibromomethane	ug/L	0.50U	20	19.8	99	50-130	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

MATRIX SPIKE SAMPLE: 909797

Parameter	Units	35136536012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	0.50U	20	21.2	106	43-130	
Iodomethane	ug/L	0.50U	40	9.5	24	20-169	
Methylene Chloride	ug/L	2.5U	20	20.5	103	51-135	
Styrene	ug/L	0.50U	20	20.5	102	40-130	
Tetrachloroethene	ug/L	0.50U	20	15.9	79	26-130	
Toluene	ug/L	0.50U	20	22.3	111	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	21.2	106	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	17.9	89	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	12.4	62	20-139	
Trichloroethene	ug/L	0.50U	20	21.5	108	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	22.6	113	46-146	
Vinyl acetate	ug/L	1.0U	20	16.4	82	20-165	
Vinyl chloride	ug/L	0.50U	20	19.8	99	57-142	
Xylene (Total)	ug/L	0.50U	60	63.2	105	42-130	
1,2-Dichloroethane-d4 (S)	%				93	86-125	
4-Bromofluorobenzene (S)	%				101	70-114	
Toluene-d8 (S)	%				100	87-113	

SAMPLE DUPLICATE: 909796

Parameter	Units	35136536011 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.59U	0.59U		40	
1,2-Dichlorobenzene	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane	ug/L	0.50U	0.50U		40	
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,4-Dichlorobenzene	ug/L	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	0.10U	0.10U		40	
Bromochloromethane	ug/L	0.50U	0.50U		40	
Bromodichloromethane	ug/L	0.27U	0.27U		40	
Bromoform	ug/L	0.50U	0.50U		40	
Bromomethane	ug/L	0.50U	0.50U		40	
Carbon disulfide	ug/L	5.0U	5.0U		40	
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	0.50U	0.50U		40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

SAMPLE DUPLICATE: 909796

Parameter	Units	35136536011 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloromethane	ug/L	0.62U	0.62U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.50U	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane-d4 (S)	%	100	102	2		
4-Bromofluorobenzene (S)	%	92	94	3		
Toluene-d8 (S)	%	101	101	3		

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: OEXT/17257 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004

METHOD BLANK: 900396 Matrix: Water
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	05/13/14 06:48	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	05/13/14 06:48	

LABORATORY CONTROL SAMPLE: 900397

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.21	84	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.22	90	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 900398 900399

Parameter	Units	35137216001 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	0.0054 U	.44	.44	0.51	0.48	116	109	60-140	6	40	
1,2-Dibromoethane (EDB)	ug/L	0.0068 U	.44	.44	0.51	0.48	116	110	60-140	5	40	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: OEXT/17258 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35136536006, 35136536007, 35136536008, 35136536009

METHOD BLANK: 900428 Matrix: Water
Associated Lab Samples: 35136536006, 35136536007, 35136536008, 35136536009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	05/13/14 14:45	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	05/13/14 14:45	

LABORATORY CONTROL SAMPLE: 900429

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	0.26	103	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 900430 900431

Parameter	Units	35136970001 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	0.0053 U	.44	.44	0.47	0.41	108	95	60-140	13	40	
1,2-Dibromoethane (EDB)	ug/L	0.0067 U	.44	.44	0.51	0.45	116	102	60-140	13	40	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: OEXT/17406 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35136536011, 35136536012, 35136536013, 35136536015

METHOD BLANK: 908684 Matrix: Water
Associated Lab Samples: 35136536011, 35136536012, 35136536013, 35136536015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	05/22/14 04:20	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	05/22/14 04:20	

LABORATORY CONTROL SAMPLE: 908685

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.20	81	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.17	67	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909039 909040

Parameter	Units	35137726001 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	<0.0054	.44	.44	0.39	0.39	88	89	60-140	.7	40	
1,2-Dibromoethane (EDB)	ug/L	<0.0069	.44	.44	0.31	0.32	71	74	60-140	4	40	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: WET/24904 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004

METHOD BLANK: 899927 Matrix: Water
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	05/12/14 15:35	

LABORATORY CONTROL SAMPLE: 899928

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	300	100	90-110	

SAMPLE DUPLICATE: 899929

Parameter	Units	35136475001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	567	596	5	20	

SAMPLE DUPLICATE: 899930

Parameter	Units	35136475003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	616	614	.3	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: WET/24947 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35136536006, 35136536007, 35136536008, 35136536009

METHOD BLANK: 901852 Matrix: Water
Associated Lab Samples: 35136536006, 35136536007, 35136536008, 35136536009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	05/14/14 13:45	

LABORATORY CONTROL SAMPLE: 901853

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

SAMPLE DUPLICATE: 901854

Parameter	Units	35136909002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	315	307	3	20	

SAMPLE DUPLICATE: 901855

Parameter	Units	35136909003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	121	128	6	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: WETA/35579 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004

METHOD BLANK: 894892 Matrix: Water
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	0.043U	0.050	05/06/14 20:14	

LABORATORY CONTROL SAMPLE: 894893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	4.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 894894 894895

Parameter	Units	35136517004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.043U	5	5	4.9	4.9	98	98	90-110	.3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 895004 895005

Parameter	Units	35136554009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.043U	5	5	4.9	4.8	97	96	90-110	1	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: WETA/35678 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35136536006, 35136536007, 35136536008, 35136536009

METHOD BLANK: 897572 Matrix: Water
Associated Lab Samples: 35136536006, 35136536007, 35136536008, 35136536009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	0.043U	0.050	05/09/14 01:35	

LABORATORY CONTROL SAMPLE: 897573

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 897574 897575

Parameter	Units	35136970001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.043U	5	5	4.8	4.9	96	98	90-110	1	20	Q

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 897576 897577

Parameter	Units	35136970008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.043U	5	5	4.8	4.8	96	96	90-110	.3	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: WETA/35583 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004

METHOD BLANK: 895029 Matrix: Water
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5U	5.0	05/06/14 20:14	

LABORATORY CONTROL SAMPLE: 895030

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 895031 895032

Parameter	Units	35136557001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.8 I	50	50	54.7	56.1	100	102	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 895033 895034

Parameter	Units	35136557005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.0 I	50	50	55.1	54.4	102	101	90-110	1	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: WETA/35679 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35136536006, 35136536007, 35136536008, 35136536009

METHOD BLANK: 897580 Matrix: Water
Associated Lab Samples: 35136536006, 35136536007, 35136536008, 35136536009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5U	5.0	05/09/14 01:35	

LABORATORY CONTROL SAMPLE: 897581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	46.4	93	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 897582 897583

Parameter	Units	35136970001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	8.6	50	50	56.3	57.3	96	97	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 897584 897585

Parameter	Units	35136970008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.9 I	50	50	49.8	49.8	92	92	90-110	.1	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: WETA/35790 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35136536011, 35136536012, 35136536013, 35136536015

METHOD BLANK: 900938 Matrix: Water
Associated Lab Samples: 35136536011, 35136536012, 35136536013, 35136536015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5U	5.0	05/13/14 10:05	

LABORATORY CONTROL SAMPLE: 900939

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.8	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 900940 900941

Parameter	Units	35137546001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	119	50	50	181	181	125	125	90-110	.06	20	L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 900942 900943

Parameter	Units	35137558003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	96.4	50	50	157	157	120	121	90-110	.2	20	L

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

QC Batch: WETA/36066 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004, 35136536006, 35136536007, 35136536008, 35136536009, 35136536011, 35136536012, 35136536013, 35136536015

METHOD BLANK: 908799 Matrix: Water
Associated Lab Samples: 35136536001, 35136536002, 35136536003, 35136536004, 35136536006, 35136536007, 35136536008, 35136536009, 35136536011, 35136536012, 35136536013, 35136536015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.050	05/21/14 17:46	

LABORATORY CONTROL SAMPLE: 908800

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.95	95	90-110	

MATRIX SPIKE SAMPLE: 908802

Parameter	Units	35137990001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	1	0.92	90	90-110	

SAMPLE DUPLICATE: 908801

Parameter	Units	35137990001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.020U		20	

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QUALIFIERS

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
J(IS)	Estimated Value. The internal standard recovery associated with this result exceeds the lower control limit. The reported result should be considered an estimated value.
J(L0)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
J(L2)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
J(M0)	Estimated Value. Matrix spike recovery was outside laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
L	Off-scale high. Actual value is known to be greater than value given.
Q	Sample held beyond the accepted holding time.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35136536001	MW-20A		FLD/		
35136536002	MW-19A		FLD/		
35136536003	MW-18R		FLD/		
35136536006	MW-17		FLD/		
35136536007	MW-16		FLD/		
35136536008	MW-15		FLD/		
35136536011	MW-9		FLD/		
35136536012	MW-10R		FLD/		
35136536013	MW-8A		FLD/		
35136536015	MW-1R		FLD/		
35136536001	MW-20A	EPA 8011	OEXT/17257	EPA 8011	GCSV/11297
35136536002	MW-19A	EPA 8011	OEXT/17257	EPA 8011	GCSV/11297
35136536003	MW-18R	EPA 8011	OEXT/17257	EPA 8011	GCSV/11297
35136536004	Field Blank 1	EPA 8011	OEXT/17257	EPA 8011	GCSV/11297
35136536006	MW-17	EPA 8011	OEXT/17258	EPA 8011	GCSV/11298
35136536007	MW-16	EPA 8011	OEXT/17258	EPA 8011	GCSV/11298
35136536008	MW-15	EPA 8011	OEXT/17258	EPA 8011	GCSV/11298
35136536009	Field Equip. Blank 2	EPA 8011	OEXT/17258	EPA 8011	GCSV/11298
35136536011	MW-9	EPA 8011	OEXT/17406	EPA 8011	GCSV/11384
35136536012	MW-10R	EPA 8011	OEXT/17406	EPA 8011	GCSV/11384
35136536013	MW-8A	EPA 8011	OEXT/17406	EPA 8011	GCSV/11384
35136536015	MW-1R	EPA 8011	OEXT/17406	EPA 8011	GCSV/11384
35136536001	MW-20A	EPA 3010	MPRP/18339	EPA 6010	ICP/11340
35136536002	MW-19A	EPA 3010	MPRP/18339	EPA 6010	ICP/11340
35136536003	MW-18R	EPA 3010	MPRP/18339	EPA 6010	ICP/11340
35136536004	Field Blank 1	EPA 3010	MPRP/18339	EPA 6010	ICP/11340
35136536006	MW-17	EPA 3010	MPRP/18382	EPA 6010	ICP/11363
35136536007	MW-16	EPA 3010	MPRP/18382	EPA 6010	ICP/11363
35136536008	MW-15	EPA 3010	MPRP/18382	EPA 6010	ICP/11363
35136536009	Field Equip. Blank 2	EPA 3010	MPRP/18382	EPA 6010	ICP/11363
35136536011	MW-9	EPA 3010	MPRP/18449	EPA 6010	ICP/11401
35136536012	MW-10R	EPA 3010	MPRP/18449	EPA 6010	ICP/11401
35136536013	MW-8A	EPA 3010	MPRP/18449	EPA 6010	ICP/11401
35136536015	MW-1R	EPA 3010	MPRP/18449	EPA 6010	ICP/11401
35136536001	MW-20A	EPA 3010	MPRP/18340	EPA 6020	ICPM/7420
35136536002	MW-19A	EPA 3010	MPRP/18340	EPA 6020	ICPM/7420
35136536003	MW-18R	EPA 3010	MPRP/18340	EPA 6020	ICPM/7420
35136536004	Field Blank 1	EPA 3010	MPRP/18340	EPA 6020	ICPM/7420
35136536006	MW-17	EPA 3010	MPRP/18383	EPA 6020	ICPM/7439
35136536007	MW-16	EPA 3010	MPRP/18383	EPA 6020	ICPM/7439
35136536008	MW-15	EPA 3010	MPRP/18383	EPA 6020	ICPM/7439
35136536009	Field Equip. Blank 2	EPA 3010	MPRP/18383	EPA 6020	ICPM/7439
35136536011	MW-9	EPA 3010	MPRP/18450	EPA 6020	ICPM/7467
35136536012	MW-10R	EPA 3010	MPRP/18450	EPA 6020	ICPM/7467

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35136536013	MW-8A	EPA 3010	MPRP/18450	EPA 6020	ICPM/7467
35136536015	MW-1R	EPA 3010	MPRP/18450	EPA 6020	ICPM/7467
35136536001	MW-20A	EPA 7470	MERP/4641	EPA 7470	MERC/4636
35136536002	MW-19A	EPA 7470	MERP/4641	EPA 7470	MERC/4636
35136536003	MW-18R	EPA 7470	MERP/4641	EPA 7470	MERC/4636
35136536004	Field Blank 1	EPA 7470	MERP/4641	EPA 7470	MERC/4636
35136536006	MW-17	EPA 7470	MERP/4641	EPA 7470	MERC/4636
35136536007	MW-16	EPA 7470	MERP/4641	EPA 7470	MERC/4636
35136536008	MW-15	EPA 7470	MERP/4654	EPA 7470	MERC/4650
35136536009	Field Equip. Blank 2	EPA 7470	MERP/4654	EPA 7470	MERC/4650
35136536011	MW-9	EPA 7470	MERP/4654	EPA 7470	MERC/4650
35136536012	MW-10R	EPA 7470	MERP/4654	EPA 7470	MERC/4650
35136536013	MW-8A	EPA 7470	MERP/4654	EPA 7470	MERC/4650
35136536015	MW-1R	EPA 7470	MERP/4656	EPA 7470	MERC/4655
35136536001	MW-20A	EPA 8260	MSV/11692		
35136536002	MW-19A	EPA 8260	MSV/11692		
35136536003	MW-18R	EPA 8260	MSV/11692		
35136536004	Field Blank 1	EPA 8260	MSV/11692		
35136536005	Trip Blank F	EPA 8260	MSV/11692		
35136536006	MW-17	EPA 8260	MSV/11698		
35136536007	MW-16	EPA 8260	MSV/11698		
35136536008	MW-15	EPA 8260	MSV/11698		
35136536009	Field Equip. Blank 2	EPA 8260	MSV/11698		
35136536010	Trip Blank G	EPA 8260	MSV/11698		
35136536011	MW-9	EPA 8260	MSV/11747		
35136536012	MW-10R	EPA 8260	MSV/11747		
35136536013	MW-8A	EPA 8260	MSV/11747		
35136536015	MW-1R	EPA 8260	MSV/11747		
35136536016	Trip Blank H	EPA 8260	MSV/11747		
35136536001	MW-20A	SM 2540C	WET/24904		
35136536002	MW-19A	SM 2540C	WET/24904		
35136536003	MW-18R	SM 2540C	WET/24904		
35136536004	Field Blank 1	SM 2540C	WET/24904		
35136536006	MW-17	SM 2540C	WET/24947		
35136536007	MW-16	SM 2540C	WET/24947		
35136536008	MW-15	SM 2540C	WET/24947		
35136536009	Field Equip. Blank 2	SM 2540C	WET/24947		
35136536001	MW-20A	EPA 300.0	WETA/35579		
35136536002	MW-19A	EPA 300.0	WETA/35579		
35136536003	MW-18R	EPA 300.0	WETA/35579		
35136536004	Field Blank 1	EPA 300.0	WETA/35579		
35136536006	MW-17	EPA 300.0	WETA/35678		
35136536007	MW-16	EPA 300.0	WETA/35678		
35136536008	MW-15	EPA 300.0	WETA/35678		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill Comp
Pace Project No.: 35136536

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35136536009	**Field Equip. Blank 2**	EPA 300.0	WETA/35678		
35136536001	**MW-20A**	EPA 300.0	WETA/35583		
35136536002	**MW-19A**	EPA 300.0	WETA/35583		
35136536003	**MW-18R**	EPA 300.0	WETA/35583		
35136536004	**Field Blank 1**	EPA 300.0	WETA/35583		
35136536006	**MW-17**	EPA 300.0	WETA/35679		
35136536007	**MW-16**	EPA 300.0	WETA/35679		
35136536008	**MW-15**	EPA 300.0	WETA/35679		
35136536009	**Field Equip. Blank 2**	EPA 300.0	WETA/35679		
35136536011	**MW-9**	EPA 300.0	WETA/35790		
35136536012	**MW-10R**	EPA 300.0	WETA/35790		
35136536013	**MW-8A**	EPA 300.0	WETA/35790		
35136536015	**MW-1R**	EPA 300.0	WETA/35790		
35136536001	**MW-20A**	EPA 350.1	WETA/36066		
35136536002	**MW-19A**	EPA 350.1	WETA/36066		
35136536003	**MW-18R**	EPA 350.1	WETA/36066		
35136536004	**Field Blank 1**	EPA 350.1	WETA/36066		
35136536006	**MW-17**	EPA 350.1	WETA/36066		
35136536007	**MW-16**	EPA 350.1	WETA/36066		
35136536008	**MW-15**	EPA 350.1	WETA/36066		
35136536009	**Field Equip. Blank 2**	EPA 350.1	WETA/36066		
35136536011	**MW-9**	EPA 350.1	WETA/36066		
35136536012	**MW-10R**	EPA 350.1	WETA/36066		
35136536013	**MW-8A**	EPA 350.1	WETA/36066		
35136536015	**MW-1R**	EPA 350.1	WETA/36066		

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Form FD 9000-24

GROUNDWATER SAMPLING LOG

35/36/30-1

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Road, Nokomis FL 34275	
WELL NO: MW-20A	SAMPLE ID: 27141	DATE: 05/05/14

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 12 feet to 22 feet	STATIC DEPTH TO WATER (feet): 9.56	PURGE PUMP TYPE OR BAILER: ~~ESP~~ PP AE

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.5 feet – 9.56 feet) X 0.16 gallons/foot = 2.1 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.6	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.0	PURGING INITIATED AT: 1026	PURGING ENDED AT: 1107	TOTAL VOLUME PURGED (gallons): 3.4

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1053	2.2	2.2	0.08	10.74	6.63	24.61	570	0.30	0.72	none	none
1100	0.6	2.8	0.08	10.76	6.63	24.57	573	0.23	0.76	↓	↓
1107	0.6	3.4	0.08	10.78	6.64	24.62	587	0.25	0.81	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1108	SAMPLING ENDED AT: 1121
PUMP OR TUBING DEPTH IN WELL (feet): 11.0	TUBING MATERIAL CODE: PE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	RFPP	<100
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	RFPP	<100
F	1	PE	500 mL	HNO3	NA	—	Metals	APP	300
G	1	PE	250 mL	H2SO4	NA	—	Nutrients Total Ammonia	APP	300
H	1	PE	1L	NA	NA	NA	Misc Inorganics	APP	300

REMARKS:

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

3513653L-2

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Road, Nokomis FL 34275	
WELL NO: MW-19A	SAMPLE ID: 27140	DATE: 05/05/14

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 12 feet to 22 feet	STATIC DEPTH TO WATER (feet): 8.92	PURGE PUMP TYPE OR BAILER: ~~ESP~~ PP AE

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.5 feet – 8.92 feet) X 0.16 gallons/foot = 2.2 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0	PURGING INITIATED AT: 1145	PURGING ENDED AT: 1248	TOTAL VOLUME PURGED (gallons): 5.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1213	2.2	2.2	0.08	9.84	6.79	25.34	544	0.47	1.19	none	none
1220	0.6	2.8	0.08	9.84	6.78	25.35	570	0.38	0.98		
1227	0.6	3.4	0.08	9.84	6.78	25.34	599	0.34	2.93		
1234	0.6	4.0	0.08	9.84	6.78	25.28	625	0.26	2.02		
1241	0.6	4.6	0.08	9.84	6.79	25.30	648	0.25	0.70		
1248	0.6	5.2	0.08	9.84	6.72	25.29	657	0.23	0.67	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1249	SAMPLING ENDED AT: 1302
PUMP OR TUBING DEPTH IN WELL (feet): 10.0	TUBING MATERIAL CODE: PE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	RFPP	<100
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	RFPP	<100
F	1	PE	500 mL	HNO3	NA	—	Metals	APP	300
G	1	PE	250 mL	H2SO4	NA	—	Nutrients Total Ammonia	APP	300
H	1	PE	1L	NA	NA	NA	Misc Inorganics	APP	300

REMARKS:

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

35/136536-3

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Road, Nokomis FL 34275	
WELL NO: MW-18R	SAMPLE ID: 29095	DATE: 05/05/14

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.41	PURGE PUMP TYPE OR BAILER: ESP PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (18.63 feet – 10.41 feet) X 0.16 gallons/foot = 1.3 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.4	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.4	PURGING INITIATED AT: 1329	PURGING ENDED AT: 1411	TOTAL VOLUME PURGED (gallons): 3.4

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1346	1.4	1.4	0.08	10.86	6.13	26.27	616	0.23	30.0	med amber	none/sheen
1351	0.4	1.8	0.08	10.86	6.13	26.23	611	0.22	26.4		
1356	0.4	2.2	0.08	10.86	6.13	26.20	608	0.22	28.0		
1401	0.4	2.6	0.08	10.86	6.13	26.22	607	0.21	27.5		
1406	0.4	3.0	0.08	10.86	6.12	26.17	606	0.19	27.0		
1411	0.4	3.4	0.08	10.86	6.12	26.13	602	0.19	27.9	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1414	SAMPLING ENDED AT: 1428
PUMP OR TUBING DEPTH IN WELL (feet): 11.4	TUBING MATERIAL CODE: PE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	RFPP	<100
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	RFPP	<100
F	1	PE	500 mL	HNO3	NA	—	Metals	APP	300
G	1	PE	250 mL	H2SO4	NA	—	Nutrients Total Ammonia	APP	300
H	1	PE	1L	NA	NA	NA	Misc Inorganics	APP	300

REMARKS: Total well depth – 18.63' field measured 4/29/14
water in purge bucket dark grey with sheen, newly installed well contractor was supposed to have developed prior to sampling below 20 NTU

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

35/136536.6

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Road	
WELL NO: MW-17	SAMPLE ID: 23033	DATE: 05/07/14

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 28.86	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (32.6 feet – 28.86 feet) X 0.16 gallons/foot = 0.6 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29.9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29.9	PURGING INITIATED AT: 0950	PURGING ENDED AT: 1010	TOTAL VOLUME PURGED (gallons): 1.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/l) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1002	0.6	0.6	0.05	29.19	6.40	26.89	1805	0.33	1.76	pale amber	none/sheen
1006	0.2	0.8	0.05	29.24	6.40	27.00	1805	0.28	1.61	↓	↓
1010	0.2	1.0 PE	0.05	29.24	6.40	27.98	1805	0.31	1.57	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1012	SAMPLING ENDED AT: 1026
PUMP OR TUBING DEPTH IN WELL (feet): 29.9	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	ESP ~~RFPP~~	200
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	~~RFPP~~	↓
F	1	PE	500 mL	HNO3	NA	←	Metals	~~APP~~	
G	1	PE	250 mL	H2SO4	NA	—	Nutrients Total Ammonia	~~APP~~	
H	1	PE	1L	NA	NA	NA	Misc Inorganics	~~APP~~	↓

REMARKS:

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

35 136 356 7

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Road	
WELL NO: MW-16	SAMPLE ID: 23032	DATE: 05/07/14

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 25.62	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (30.3 feet – 25.62 feet) X 0.16 gallons/foot = 0.7 ~~0.8~~ AE gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26.6	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26.6	PURGING INITIATED AT: 1125	PURGING ENDED AT: 1147	TOTAL VOLUME PURGED (gallons): 1.1

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1139	0.7	0.7	0.05	726.00'	6.30	27.72	2307	0.62	1.37	dark yellow	none/slight
1143	0.2	0.9	0.05	726.00'	6.30	27.84	2306	0.55	1.47	↓	↓
1147	0.2	1.1	0.05	726.00'	6.30	27.90	2304	0.40	1.56	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison A Eggleston	SAMPLING INITIATED AT: 1148	SAMPLING ENDED AT: 1202
PUMP OR TUBING DEPTH IN WELL (feet): 26.6	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	ESP RFPP AE	200
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	~~RFPP~~	
F	1	PE	500 mL	HNO3	NA	—	Metals	~~APP~~	
G	1	PE	250 mL	H2SO4	NA	—	Nutrients Total Ammonia	~~APP~~	
H	1	PE	1L	NA	NA	NA	Misc Inorganics	~~APP~~	

REMARKS: dtw > than 26.00' but not greater than 26.6' where pump is set as no air was drawn into the pump

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG 351365.36 -Y

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Road	
WELL NO: MW-15	SAMPLE ID: 23031	DATE: 05/07/14

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 25.15	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (30.5 feet – 25.15 feet) X 0.16 gallons/foot = 0.9 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26.2	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26.2	PURGING INITIATED AT: 1311	PURGING ENDED AT: 1339	TOTAL VOLUME PURGED (gallons): 1.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1329	0.9	0.9	0.05	25.49	6.42	28.68	2401	0.26	9.08	pale brown	no sheen
1334	0.3	1.2	0.05	25.49	6.43	28.87	2458	0.21	5.23	↓	↓
1339	0.3	1.5	0.05	25.49	6.43	28.75	2482	0.17	3.87	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1340	SAMPLING ENDED AT: 1355
PUMP OR TUBING DEPTH IN WELL (feet): 26.2	TUBING MATERIAL CODE: (PE)	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	ESP ~~RFPP~~ PE	200
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	~~RFPP~~	200
F	1	PE	500 mL	HNO3	NA	—	Metals	~~APP~~	200
G	1	PE	250 mL	H2SO4	NA	—	Nutrients Total Ammonia	~~APP~~	200
H	1	PE	1L	NA	NA	NA	Misc Inorganics	~~APP~~	200

REMARKS:

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

3536536.11

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Road, Nokomis FL 34275	
WELL NO: MW-9	SAMPLE ID: 4509	DATE: 5/9/14

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 12.96	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (~~23.58~~ 22.8 feet – 12.96 feet) X 0.16 gallons/foot = 1.6 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.0	PURGING INITIATED AT: 0808	PURGING ENDED AT: 0831	TOTAL VOLUME PURGED (gallons): 2.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0823	1.7	1.7	0.11	13.43	6.57	26.62	1961	0.32	2.11	none	none/ sheen
0827	0.4	2.1	0.11	13.43	6.56	26.73	1962	0.27	2.45	↓	↓
0831	0.4	2.5	0.11	13.43	6.54	26.80	1964	0.27	2.16	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison J Eggleston	SAMPLING INITIATED AT: 0832	SAMPLING ENDED AT: 0846
PUMP OR TUBING DEPTH IN WELL (feet): 14.0	TUBING MATERIAL CODE: PE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	RFPP	<100
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	RFPP	<100
F	1	PE	500 mL	HNO3	NA		Metals	APP	400
G	1	PE	250 mL	H2SO4	NA		Nutrients Total Ammonia	APP	400
H	1	PE	1L	NA	NA	NA	Misc Inorganics	APP	400

REMARKS: total well depth measured in field 5/2/14 – 22.8'

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

3513653G-12

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Road, Nokomis FL 34275	
WELL NO: MW-10R	SAMPLE ID: 4510	DATE: 5/9/14

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 20.82	PURGE PUMP TYPE OR BAILER: ~~PP~~ ESP AE

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (30.2 ~~18.65~~ feet – 20.82 feet) X 0.16 gallons/foot = 1.5 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21.8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21.8	PURGING INITIATED AT: 0923	PURGING ENDED AT: 0952	TOTAL VOLUME PURGED (gallons): 2.4

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0942	1.5	1.5	0.08	21.26	6.47	27.11	1503	0.14	107	pale amber	none/sheen
0947	0.4	1.9	0.08	↓	6.47	27.24	1483	0.15	0.94	↓	↓ ↓
0952	0.4	2.4	0.08	<21.8	6.47	27.30	1473	0.13	1.02	↓	↓ ↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 0954	SAMPLING ENDED AT: 1005
PUMP OR TUBING DEPTH IN WELL (feet): 21.8	TUBING MATERIAL CODE: PE ~~BS~~ AE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	~~RFPP~~ ESP	<300
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	~~RFPP~~	<300
F	1	PE	500 mL	HNO3	NA	—	Metals	APP	300
G	1	PE	250 mL	H2SO4	NA	—	Nutrients Total Ammonia	~~APP~~	300
H	1	PE	1L	NA	NA	NA	Misc Inorganics	~~APP~~	300

REMARKS: total well depth measured in field 5/12/14 – 30.2'

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

Revision Date: February 12, 2009

15.5Form FD 9000-24

GROUNDWATER SAMPLING LOG

-351536534-13

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Road, Nokomis FL 34275	
WELL NO: MW-8A	SAMPLE ID: 21453	DATE: 05/09/14

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 16.64	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.40 feet – 16.64 feet) X 0.16 gallons/foot = 0.9 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 17.6	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 17.6	PURGING INITIATED AT: 1042	PURGING ENDED AT: 1102	TOTAL VOLUME PURGED (gallons): 1.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1054	1.0	1.0	0.08	17.26	6.31	25.82	1706	0.36	6.71	pale yellow	None
1058	AE 0.403	1.3	0.08	17.26	6.32	25.80	1709	0.32	6.95	↓	↓
1102	AE 0.403	AE 1.3 1.6	0.08	17.26	6.34	25.74	1723	0.25	6.85		

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1103	SAMPLING ENDED AT: 1117
PUMP OR TUBING DEPTH IN WELL (feet): 17.6	TUBING MATERIAL CODE: PE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	RFPP	100
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	RFPP	100
F	1	PE	500 mL	HNO3	NA	—	Metals	APP	300
G	1	PE	250 mL	H2SO4	NA	—	Nutrients Total Ammonia	APP	300
H	1	PE	1L	NA	NA	NA	Misc Inorganics	APP	300

REMARKS

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

35736536-15

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Road, Nokomis FL 34275	
WELL NO: MW-1R	SAMPLE ID: 20585	DATE: 05/09/14

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.28	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (15.7 feet – 5.28 feet) X 0.16 gallons/foot = 1.7 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6.3	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.5	PURGING INITIATED AT: 1148	PURGING ENDED AT: 1240	TOTAL VOLUME PURGED (gallons): 4.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1210	1.8	1.8	0.08	6.16	6.89	24.42	415	2.75	7.78	pale brown	none
1216	0.5	2.3	0.08	6.18	6.91	24.42	441	2.29	6.95	↓	↓
1222	0.5	2.8	0.08	6.21	6.91	24.42	456	2.05	9.17		
1228	0.5	3.3	0.08	6.22	6.92	24.51	478	1.74	7.58		
1234	0.5	3.8	0.08	6.22	6.92	24.55	490	1.56	5.29		
1240	0.5	4.3	0.08	6.22	6.92	24.52	502	1.49	7.82	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1241	SAMPLING ENDED AT: 1253
PUMP OR TUBING DEPTH IN WELL (feet): 6.5	TUBING MATERIAL CODE: PE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260 App I	RFPP	<100
D,E	2	CG	40 mL	NA	NA	NA	8011 EDB APP I	RFPP	<100
F	1	PE	500 mL	HNO3	NA	—	Metals	APP	300
G	1	PE	250 mL	H2SO4	NA	—	Nutrients Total Ammonia	APP	300
H	1	PE	1L	NA	NA	NA	Misc Inorganics	APP	300

REMARKS: Well depth measured 5/2010.

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

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

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

Revision Date: February 12, 2009

PACE Analytical

8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668 • FAX (386)673-4001
(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E

Page 1 of 1

FOR LAB USE ONLY
Temp. of Contents: 5.4 °C (or Received on Ice, ROI)
Condition of Contents:
Condition of Seals:

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)	Address: 1255 T Mabry Carlton Parkway	Phone: (941)650-9834	18. Report Type: X Routine / With QC
Sarasota County Environmental Services	City Venice State Fl. Zip Code 34292	Fax: (941)480-3558	
2. Report to: (if different from above)	Address:	Phone: ( )	19. Turnaround Time: X Standard / Rush : / /
Cesar Rodriguez	City State Zip Code	Fax: ( )	
3. Client Project Name: Central County wells			
4. Client Project No.: No.: 140136			
6. Custody Seal No.:			
7. Sampled By: Alison Eggleston			
8. Shipping Method:			

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

14.	15. Preservatives	H	C	N	S	C
	16. Containers	V	V	P	P	P
	17.					

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Codes)	13. Air	13. Soil	13. Sludge	13. Other	8260 VOC's App 1	8011 EDB App 1	Metals App 1 Fe,Hg,Na,	Nutrients App 1 Total Ammonia-N	Miscellaneous Inorgs App 1	20. REMARK	LAB USE ONLY LAB SAMPLE NO.
1	27141	MW-20A	05/05/14	1108		X	gw					A,B,C	D,E	F	G	H		
2	27140	MW-19A	05/05/14	1249		X	gw											
3	29095	MW-18R	05/05/14	1414		X	gw											
4		Field Eq blank 1	05/05/14	1010		X	gw											
5						X	gw											
6																		
7																		
8		Trip Blank F	05/05/14			X	gw					XX						

WO# : 35136536
35136536

PLEASE USE ADAPT

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1	05/05/14	1442		5-5-14	1442
2	5/6/14	0705		5/6/14	0705
3				7/6/5 0.6	
4					

FOR LAB USE ONLY
Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.: Quote No.:

DISTRIBUTION: White with report; make copies as needed

Revised: 1/99

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

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: Sarasota Project # 351365360

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

Tracking # _____

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

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

Thermometer Used T165 Type of Ice: Wet Blue None

Cooler Temperature °C 0.7 (Visual) -0.1 (Correction Factor) 0.6 (Actual)

Date and Initials of person examining contents: 5/6/14 TH 0705

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

Receipt of samples satisfactory: ☐ Yes ☐ No

Rush TAT requested on COC:

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: 5/7/14

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: _____

CHAIN OF CUSTODY RECORD

No. E

Page 1 of 1

PACE Analytical
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668 ● FAX (386)673-4001
(INSTRUCTIONS ON BACK OF THIS FORM)

FOR LAB USE ONLY
Condition of Contents:
Temp. of Contents: °C (or Received on Ice, ROI)
Condition of Seals:

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services

Address: 1255 T Mabry Carlton Parkway
Phone: (941)650-9834

City: Venice State: Fl. Zip Code: 34292
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez

Address:
Phone: ( )

City State Zip Code
Fax: ( )

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

3. Client Project Name:
Central County wells

4. Client Project No.:
No.: 140136

6. Custody Seal No.:

7. Sampled By: Alison Eggleston

8. Shipping Method:

Water Sample Codes (for Item 13):
DW = Drinking Water
GW = Ground Water
SW = Surface Water
PW = Processed Water
WW = Waste Water

Container Codes (for Item 16):
V = VOA vial
G = glass
P = plastic
M = mr
O = oth

14.	15. Preservatives	H	C	N	S	C
	16. Containers	V	V	P	P	P
	17.					

Preservative Codes (for Item 15):
C = Cool Only
H = Hydrochloric Acid
ochloroacetic Acid
c Acid
dium Hydroxide
ric Acid
ım Thiosulfate

WO#: 35136536
PM: JJV Due Date: 05/20/14
CLIENT: SARCOU

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (code)	13. Air	13. Soil	13. Sludge	13. Other	8260 VOC's APP I	8011 EDB App I	Metals App I Fe,Hg,Na,	Nutrients App I Total Ammonia-N	Miscellaneous Inorgs App I	20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1	23033	MW-17	05/07/14	1012		X	gw					A,B,C	D,E	F	G	H		16
2	23032	MW-16	05/07/14	1148		X	gw											17
3	23031	MW-15	05/07/14	1340		X	gw											18
4		Field Eq Blank 2	05/07/14	1410		X	gw											19
5						X	gw											
6																		
7																		10
8		Trip Blank G	05/07/14			X	gw					XX						

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Allison Eggleston	05/07/14	1425		5/7/14	1425
2	5/7/14	1600	Andrew Smith	5/8/14	0740
3					
4					

FOR LAB USE ONLY
Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.: Quote No.:

DISTRIBUTION: White with report; make copies as needed

Revised: 1/99

PLEASE USE ADAPT

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

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: Sarasota Project # 35136536

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

Tracking # _____

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

Date and Initials of person examining contents: 5/8/14 AS 0440

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

Thermometer Used T-165 Type of Ice: Wet Blue None

Cooler Temperature °C 2.2 (Visual) -0.1 (Correction Factor) 2.1 (Actual)

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

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

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ **Date:** 5/8

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: _____

P13-24

PACE Analytical
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668 ● FAX (386)673-4001
(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E

Page 1 of 1

FOR LAB USE ONLY
Condition of Contents: _____
Temp. of Contents: _____ °C (or Received on Ice, ROI)
Condition of Seals: _____

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services

Address: 1255 T Mabry Carlton Parkway
City: Venice State: Fl. Zip Code: 34292
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez

Address:
City: State: Zip Code:
Phone: ( )
Fax: ( )

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush: / /

3. Client Project Name:
Central County wells

4. Client Project No.:
No.: 140136

6. Custody Seal No.:

7. Sampled By: Alison Eggleston

8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW - Drinking Water	V - VOA vial
GW - Ground Water	G - glass
SW - Surface Water	P - plastic
PW - Processed Water	M - micro bag/cup
WW - Waste Water	O - other

14.

15. Preservatives	H	C	N	S	C			
16. Containers	V	V	P	P	P			
17.								

Preservative Codes (for Item 15)
C - Cool Only
H - Hydrochloric Acid
M - Monochloroacetic Acid
N - Nitric Acid
OH - Sodium Hydroxide
S - Sulfuric Acid
T - Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	Time	12. Comp.	Grab	13. Water Codes	Air	Soil	Sludge	Other	8260 VOC's APP I	8011 EDB App I	Metals App I Fe,Hg,Na,	Nutrients App I Total Ammonia-N	Miscellaneous Inorgs App I				20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1	4509	MW-9	05/09/14	0832		X	gw					A,B,C	D,E	F	G	H					-11
2	4510	MW-10R	05/09/14	0954		X	gw														-12
3	21453	MW-8A	05/09/14	1103		X	gw														-13
4	20585	MW-1R	05/09/14	1241		X	gw														-15
5						X	gw														
6																					
7																					
8		Trip Blank H	05/09/14			X	gw					XX		-16							

As, Mn only for this well.

WO#: 35136536

35136536

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY		
1 Alison J Eggleston	05/09/14	1305	[illegible]	5/9/14	0300
2				3.7	T-68
3					
4					

Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.:
Quote No.:

DISTRIBUTION: White with report; make copies as needed

Revised: 1/99

EASE USE ADAPT

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

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: Sarasota Project # 3513653 Add On

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

Tracking # _____

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

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

Thermometer Used T-168 Type of Ice: (Wet) Blue None

Cooler Temperature °C 3.8 (Visual) 0.1 (Correction Factor) 3.7 (Actual)

Date and Initials of person examining contents: 5/10/14 AS (TH)

@300

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

Receipt of samples satisfactory: ☐Yes ☐No

Rush TAT requested on COC:

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: 5/14

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: _____

Pace Analytical®
www.pacelabs.com

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

June 05, 2014

Mr. Cesar Rodriquez
Sarasota County
1255 T. Mabry Carlton Parkway
Venice, FL 34292

RE: Project: Sarasota Central Landfill NO3
Pace Project No.: 35138372

Dear Mr. Rodriquez:
Enclosed are the analytical results for sample(s) received by the laboratory on May 17, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

The samples were collected by laboratory staff under the guidelines outlined in Florida DEP SOP 001/-01.

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

Sincerely,

Joe Vondrick
joe.vondrick@pacelabs.com
Project Manager

Enclosures

cc: Ms. Heather Bryen, Sarasota County
Finance Dept., Sarasota County

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

CERTIFICATIONS

Project: Sarasota Central Landfill NO3
Pace Project No.: 35138372

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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

SAMPLE SUMMARY

Project: Sarasota Central Landfill NO3
Pace Project No.: 35138372

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35138372001	MW-1Rre	Water	05/16/14 10:24	05/17/14 03:00
35138372002	MW-8Are	Water	05/16/14 11:04	05/17/14 03:00
35138372003	MW-9re	Water	05/16/14 11:59	05/17/14 03:00
35138372004	MW-10Rre	Water	05/16/14 12:58	05/17/14 03:00

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Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill NO3
Pace Project No.: 35138372

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35138372001	**MW-1Rre**	EPA 300.0	JNZ	1	PASI-O
35138372002	**MW-8Are**	EPA 300.0	JNZ	1	PASI-O
35138372003	**MW-9re**	EPA 300.0	JNZ	1	PASI-O
35138372004	**MW-10Rre**	EPA 300.0	JNZ	1	PASI-O

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Sarasota Central Landfill NO3
Pace Project No.: 35138372

Sample: MW-1Rre **Lab ID: 35138372001** Collected: 05/16/14 10:24 Received: 05/17/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
	Analytical Method:								
Field pH	**6.93**	Std. Units			1		05/16/14 10:24		
Field Temperature	**22.22**	deg C			1		05/16/14 10:24		
Field Specific Conductance	**557**	umhos/cm			1		05/16/14 10:24		
Oxygen, Dissolved	**0.28**	mg/L			1		05/16/14 10:24	7782-44-7	
Turbidity	**1.40**	NTU			1		05/16/14 10:24		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.043U**	mg/L	0.050	0.043	1		05/17/14 17:30	14797-55-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Sarasota Central Landfill NO3
Pace Project No.: 35138372

Sample: MW-8Are **Lab ID: 35138372002** Collected: 05/16/14 11:04 Received: 05/17/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
	Analytical Method:								
Field pH	**6.27**	Std. Units			1		05/16/14 11:04		
Field Temperature	**23.01**	deg C			1		05/16/14 11:04		
Field Specific Conductance	**1670**	umhos/cm			1		05/16/14 11:04		
Oxygen, Dissolved	**0.63**	mg/L			1		05/16/14 11:04	7782-44-7	
Turbidity	**2.33**	NTU			1		05/16/14 11:04		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.22U**	mg/L	0.25	0.22	5		05/17/14 17:51	14797-55-8	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill NO3
Pace Project No.: 35138372

Sample: MW-9re **Lab ID: 35138372003** Collected: 05/16/14 11:59 Received: 05/17/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
	Analytical Method:								
Field pH	**6.58**	Std. Units			1		05/16/14 11:59		
Field Temperature	**25.96**	deg C			1		05/16/14 11:59		
Field Specific Conductance	**1929**	umhos/cm			1		05/16/14 11:59		
Oxygen, Dissolved	**0.15**	mg/L			1		05/16/14 11:59	7782-44-7	
Turbidity	**1.25**	NTU			1		05/16/14 11:59		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.22U**	mg/L	0.25	0.22	5		05/17/14 18:12	14797-55-8	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill NO3
Pace Project No.: 35138372

Sample: MW-10Rre **Lab ID: 35138372004** Collected: 05/16/14 12:58 Received: 05/17/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
	Analytical Method:								
Field pH	**6.32**	Std. Units			1		05/16/14 12:58		
Field Temperature	**25.42**	deg C			1		05/16/14 12:58		
Field Specific Conductance	**1496**	umhos/cm			1		05/16/14 12:58		
Oxygen, Dissolved	**0.01**	mg/L			1		05/16/14 12:58	7782-44-7	
Turbidity	**0.54**	NTU			1		05/16/14 12:58		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.086U**	mg/L	0.10	0.086	2		05/17/14 18:34	14797-55-8	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill NO3
Pace Project No.: 35138372

QC Batch: WETA/35943 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35138372001, 35138372002, 35138372003, 35138372004

METHOD BLANK: 905542 Matrix: Water
Associated Lab Samples: 35138372001, 35138372002, 35138372003, 35138372004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	0.043U	0.050	05/17/14 10:22	

LABORATORY CONTROL SAMPLE: 905543

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	5.1	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 905544 905545

Parameter	Units	35138284002 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	3.0	10	10	14.5	14.5	115	115	90-110	.01	20	J(M1), L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 905546 905547

Parameter	Units	35138373001 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	0.43U	50	50	49.4	49.4	99	99	90-110	.04	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Sarasota Central Landfill NO3
Pace Project No.: 35138372

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
L	Off-scale high. Actual value is known to be greater than value given.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill NO3
Pace Project No.: 35138372

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35138372001	**MW-1Rre**	EPA 300.0	WETA/35943		
35138372002	**MW-8Are**	EPA 300.0	WETA/35943		
35138372003	**MW-9re**	EPA 300.0	WETA/35943		
35138372004	**MW-10Rre**	EPA 300.0	WETA/35943		

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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.

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Sarasota County	Report To: Cesar Rodriguez	Attention:
Address: 1255 T. Mabry Carlton Pkwy	Copy To:	Company Name:
Venice, FL 34292		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Central County LF Resample	Pace Project Manager: Joe Vondrick
Requested Due Date/TAT:	Project Number:	Pace Profile #: 833

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER_____

Site Location State: ____FL_____

Requested AnalysisFiltered (Y/N)

Section D Required Client Information

SAMPLE ID
One Character per box
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	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	NO3, NO2, NOX, Anions 300	Residual Chlorine Y/N	Pace Project Number Lab I.D.
1	MW-1R	GW	G			5/16/14	1024		1	1									1		-1
2	MW-8A	GW	G			5/16/14	1104		1	1									1		-2
3	MW-9	GW	G			5/16/14	1159		1	1									1		-3
4	MW-10	GW	G			5/16/14	1255		1	1									1		-4
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

WO#: 35138372
35138372

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	5/16/14	1500	[signature]	5/17/14	0300

SAMPLE CONDITIONS

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler	Samples Intact Y/N
0-7			
7-16			
		N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: James Stockbridge
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM / DD / YY): 5/16/14

E-File,(ALLQ020rev.3,31Mar05), 13Jun2005

Form FD 9000-24

GROUNDWATER SAMPLING LOG

35138377.1

SITE NAME: CCSWDC	SITE LOCATION: SARASOTA, FL	
WELL NO: MW-1R	SAMPLE ID:	DATE: 5/14/14

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.42	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15.7 feet – 5.42 feet) X 0.16 gallons/foot = 1.648 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8	PURGING INITIATED AT: 1000	PURGING ENDED AT: 1023	TOTAL VOLUME PURGED (gallons): 2.53

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1015	1.65	1.65	0.11	6.20	6.97	22.19	558	0.57	1.86	CLEAR	NONE
1019	0.44	2.09	1	6.20	6.85	22.14	559	0.39	1.62	1	1
1023	0.44	2.53	1	6.20	6.93	22.22	557	0.28	1.40		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JAMES STOCKBRIDGE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1024	SAMPLING ENDED AT: 1024
PUMP OR TUBING DEPTH IN WELL (feet): 8	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	1-L	COOL	0		NITRATE	PP	500

REMARKS:

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

351 39372-2

SITE NAME: CCSWDC	SITE LOCATION: SARASOTA, FL	
WELL NO: MW-8A	SAMPLE ID:	DATE: 5/14/14

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet) 14.53	PURGE PUMP TYPE OR BAILER: PP

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

= (22.4 feet – 14.53 feet) X 0.16 gallons/foot = 0.9392 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18	PURGING INITIATED AT: 1045	PURGING ENDED AT: 1103	TOTAL VOLUME PURGED (gallons): 1.44

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or (mS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1057	0.96	0.96	0.08	17.06	6.24	22.96	1656	0.58	2.34	CLEAR	NONE
1100	0.24	1.20	1	17.06	6.26	22.99	1664	0.47	2.37		
1103	0.24 (0.25 est)	1.44	1	17.06	6.27	23.01	1670	0.43	2.33	1	1

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JAMES STECKBRIDGE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1104	SAMPLING ENDED AT: 1109
PUMP OR TUBING DEPTH IN WELL (feet): 18	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	1 LTR	COOL	0		NITRATE	PP	300

REMARKS:

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

3138372-3

SITE NAME: CCSWD	SITE LOCATION: SARASOTA, FL	
WELL NO: MW 9	SAMPLE ID:	DATE: 5/16/17

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 12.94	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.8 feet – 12.94 feet) X 0.16 gallons/foot = 1.5776 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 1130	PURGING ENDED AT: 1158	TOTAL VOLUME PURGED (gallons): 2.52

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1148	1.62	1.62	0.09	13.47	6.58	24.00	1908	0.18	1.94	CLEAR	NONE
1153	0.45	2.07	1	13.47	6.58	24.00	1915	0.17	1.50	1	1
1158	0.45	2.52	1	13.47	6.58	25.96	1929	0.15	1.25	1	1

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: SAMUS STOCKBRIDGE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1159	SAMPLING ENDED AT: 1203
PUMP OR TUBING DEPTH IN WELL (feet): 15	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	1 L	COOL	4		NITRATES	PP	340

REMARKS:

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

3513837724

SITE NAME: CCSW DC	SITE LOCATION: Sarasota, FL	
WELL NO: MW-10	SAMPLE ID:	DATE: 5/14/14

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 20.68	PURGE PUMP TYPE OR BAILER: USP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (30.2 feet – 20.68 feet) X 0.16 gallons/foot = 1.5232 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 1235	PURGING ENDED AT: 1257	TOTAL VOLUME PURGED (gallons): 2.42

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/l) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1249	1.54	1.54	0.11	21.22	6.32	25.39	1501	0.09	0.82	Clear	none
1253	0.44	1.98	1	21.22	6.52	25.41	1500	0.09	0.76	1	1
1257	0.44	2.42	1	21.22	6.52	25.42	1496	0.01	0.54	1	1

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: James Stockbridge	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1258	SAMPLING ENDED AT: 1302
PUMP OR TUBING DEPTH IN WELL (feet): 25	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	1 Liter	Cool	0		Nutrients	USP	400

REMARKS:

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

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

Sample Condition Upon Receipt Form (SCUR)

Table Number:_____

Client Name: Sarasota Project # 35138372

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

Tracking #_____

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

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

Thermometer Used T-165 Type of Ice: (Wet) Blue None

Cooler Temperature °C 0.8 (Visual) -0.1 (Correction Factor) 0.7 (Actual)

Date and Initials of person examining contents: 5/17/14 AS 0300

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

Receipt of samples satisfactory: ☐Yes ☐No

Rush TAT requested on COC:

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

Client Notification/ Resolution:

Person Contacted:_____ Date/Time:_____

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

Project Manager Review: _____ Date: 5/19

Finished Product Information Only

Sample ID:_____

Preservation 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:_____

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

June 05, 2014

Mr. Cesar Rodriquez
Sarasota County
1255 T. Mabry Carlton Parkway
Venice, FL 34292

RE: Project: Sarasota Central Landfill
Pace Project No.: 35139904

Dear Mr. Rodriquez:
Enclosed are the analytical results for sample(s) received by the laboratory on May 30, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Joe Vondrick
joe.vondrick@pacelabs.com
Project Manager

Enclosures

cc: Ms. Heather Bryen, Sarasota County
Finance Dept., Sarasota County

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CERTIFICATIONS

Project: Sarasota Central Landfill
Pace Project No.: 35139904

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: Sarasota Central Landfill
Pace Project No.: 35139904

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35139904001	MW-1Rre2	Water	05/29/14 09:11	05/30/14 04:45
35139904002	MW-8Are2	Water	05/29/14 09:57	05/30/14 04:45
35139904003	MW-9re2	Water	05/29/14 10:48	05/30/14 04:45
35139904004	MW-10Rre2	Water	05/29/14 11:29	05/30/14 04:45

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SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill
Pace Project No.: 35139904

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35139904001	**MW-1Rre2**	SM 2540C	AGS	1	PASI-O
35139904002	**MW-8Are2**	SM 2540C	AGS	1	PASI-O
35139904003	**MW-9re2**	SM 2540C	AGS	1	PASI-O
35139904004	**MW-10Rre2**	SM 2540C	AGS	1	PASI-O

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35139904

Sample: MW-1Rre2 **Lab ID: 35139904001** Collected: 05/29/14 09:11 Received: 05/30/14 04:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**7.03**	Std. Units			1		05/29/14 09:11		
Field Temperature	**23.51**	deg C			1		05/29/14 09:11		
Field Specific Conductance	**615**	umhos/cm			1		05/29/14 09:11		
Oxygen, Dissolved	**0.66**	mg/L			1		05/29/14 09:11	7782-44-7	
Turbidity	**1.26**	NTU			1		05/29/14 09:11		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**407**	mg/L	5.0	5.0	1		06/03/14 16:10		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35139904

Sample: MW-8Are2 **Lab ID: 35139904002** Collected: 05/29/14 09:57 Received: 05/30/14 04:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.16**	Std. Units			1		05/29/14 09:57		
Field Temperature	**24.30**	deg C			1		05/29/14 09:57		
Field Specific Conductance	**1776**	umhos/cm			1		05/29/14 09:57		
Oxygen, Dissolved	**0.46**	mg/L			1		05/29/14 09:57	7782-44-7	
Turbidity	**3.16**	NTU			1		05/29/14 09:57		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**998**	mg/L	10.0	10.0			06/03/14 16:10		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35139904

Sample: MW-9re2 **Lab ID: 35139904003** Collected: 05/29/14 10:48 Received: 05/30/14 04:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.54**	Std. Units			1		05/29/14 10:48		
Field Temperature	**26.89**	deg C			1		05/29/14 10:48		
Field Specific Conductance	**1947**	umhos/cm			1		05/29/14 10:48		
Oxygen, Dissolved	**0.83**	mg/L			1		05/29/14 10:48	7782-44-7	
Turbidity	**0.65**	NTU			1		05/29/14 10:48		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1160**	mg/L	10.0	10.0	1		06/03/14 16:10		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35139904

Sample: MW-10Rre2 **Lab ID: 35139904004** Collected: 05/29/14 11:29 Received: 05/30/14 04:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.47**	Std. Units			1		05/29/14 11:29		
Field Temperature	**27.79**	deg C			1		05/29/14 11:29		
Field Specific Conductance	**1482**	umhos/cm			1		05/29/14 11:29		
Oxygen, Dissolved	**0.70**	mg/L			1		05/29/14 11:29	7782-44-7	
Turbidity	**1.36**	NTU			1		05/29/14 11:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**830**	mg/L	10.0	10.0	1		06/03/14 16:10		

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35139904

QC Batch: WET/25269 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35139904001, 35139904002, 35139904003, 35139904004

METHOD BLANK: 918063 Matrix: Water
Associated Lab Samples: 35139904001, 35139904002, 35139904003, 35139904004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	06/03/14 16:07	

LABORATORY CONTROL SAMPLE: 918064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	306	102	90-110	

SAMPLE DUPLICATE: 918065

Parameter	Units	35139867004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	288	301	4	20	

SAMPLE DUPLICATE: 918066

Parameter	Units	35140218060 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	476	466	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Sarasota Central Landfill
Pace Project No.: 35139904

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill
Pace Project No.: 35139904

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35139904001	**MW-1Rre2**		FLD/		
35139904002	**MW-8Are2**		FLD/		
35139904003	**MW-9re2**		FLD/		
35139904004	**MW-10Rre2**		FLD/		
35139904001	**MW-1Rre2**	SM 2540C	WET/25269		
35139904002	**MW-8Are2**	SM 2540C	WET/25269		
35139904003	**MW-9re2**	SM 2540C	WET/25269		
35139904004	**MW-10Rre2**	SM 2540C	WET/25269		

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WO# : 35139904

35139904

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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.

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Sarasota County	Report To: Cesar Rodriguez	Attention:
Address: 1255 T. Mabry Carlton Pkwy	Copy To:	Company Name:
Venice, FL 34292		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Central County LF Resample	Pace Project Manager: Joe Vondrick
Requested Due Date/TAT:	Project Number:	Pace Profile #: 833

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER_____

Site Location State: ____FL_____

Requested AnalysisFiltered (Y/N)

Section D Required Client Information

SAMPLE ID
One Character per box
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	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	TDS	Residual Chlorine Y/N	Pace Project Number Lab I.D.
1	MW-1R	GW	G			5/29/14	911		2	2									2		
2	MW-8A	GW	G			5/29/14	957		2	2									2		
3	MW-9	GW	G			5/29/14	1048		2	2									2		
4	MW-10	GW	G			5/29/14	1129		2	2									2		
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
[signature]	5/29/14	1600	[signature]	5/30/14	0745	-0.7
						-1.67

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: James Stockbridge

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY) 5/29/14

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

E-File,(ALLQ020rev.3,31Mar05), 13Jun2005

Pace Analytical	Document Name: New Instrument Checklist	Date Revised: February 10, 2012
	Document No.: F-FL-C-016 rev.01	Issuing Authority: Pace Florida Quality Office

FIELD SAMPLING WORK ORDER

Project Name: Sarasota Central LF re-sample **Work Order #:** _____

Client: Sarasota County

pace Project Manager: Joe **Date:** 28-May

Profile: 765 **Line Item:** 1

Sampling Location: Sarasota Central Landfill, 4000 Knights Trail Road, Nokomis

Sampling Date: asap let me know!

Time to Report on Site: tbd call Cesar or Allison

Site Contact: Cesar Rodriguez **Contact #:** 941-650-9834

General Sampling Instructions: Collect groundwater samples at Landfill according to DEP SOP.

Sample sites MW-9 MW-10R MW-8A & MW-1R

Analysis for TDS by 2540c.

QC SamplesTo Be Collected: Equipment Blank:_X Trip Blank: ___ Field Blank:_

(Check one or more) Field Duplicate:_ Matrix Spike: _____

Field Parameters Needed: pH:__X Conductivity:___X Turbidity:__X

(Check one or more) DO:__X Temperature:__X depth to water

Miscellaneous Instructions or Notes: _____

C. FIELD TECH USE ONLY

	Sampling Start Time	Sampling Finish Time	Date
Field Tech 1: S James Stockbridge	5/29/14	0150	1350
Field Tech 2:			
Field Tech 3:			
Field Tech 4:			

Form FD 9000-24

GROUNDWATER SAMPLING LOG

3513990 4 - 1

SITE NAME: CCSWAC	SITE LOCATION: SARASOTA, FL	
WELL NO: MW-1R	SAMPLE ID:	DATE: 5/29/14

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.25	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15.7 feet – 6.25 feet) X 0.16 gallons/foot = 1.5072 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9	PURGING INITIATED AT: 0849	PURGING ENDED AT: 0910	TOTAL VOLUME PURGED (gallons): 2.52

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0902	1.56	1.56	0.12	7.24	7.03	23.52	618	0.66	1.60	Clear	None
0906	0.48	2.04	1	7.43	7.02	23.51	617	0.63	1.44	1	1
0910	0.48	2.52	1	7.75	7.03	23.51	615	0.66	1.26	1	1

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: James Stockbridge	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0911	SAMPLING ENDED AT: 0914
PUMP OR TUBING DEPTH IN WELL (feet): 9	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	2	PE	1-1L	Cool	0		TDS	PP	

REMARKS:

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

3513S 414 · 2

SITE NAME: CCSWDC	SITE LOCATION: Sarasota, FL	
WELL NO: MW-8A	SAMPLE ID:	DATE: 5/29/14

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 16.62	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.4 feet − 16.62 feet) X 0.16 gallons/foot = 0.9248 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 19	PURGING INITIATED AT: 0940	PURGING ENDED AT: 0956	TOTAL VOLUME PURGED (gallons): 1.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0950	1.00	1.00	0.10	17.80	6.14	24.30	1776	0.46	3.08	Clear	None
0953	0.30	1.30	1	17.80	6.17	24.31	1777	0.47	3.13	1	1
0956	0.50	1.60	1	17.80	6.14	24.30	1776	0.46	3.14		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: James Stockbridge	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0957	SAMPLING ENDED AT: 1002
PUMP OR TUBING DEPTH IN WELL (feet): 19	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	2	PE	1LTR	Cool	ø		TDS	PP	

REMARKS:

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

35139904-3

SITE NAME: CCSWAC	SITE LOCATION: SARASOTA, FL	
WELL NO: MW-9	SAMPLE ID:	DATE: 5/29/14

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 13.27	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.8 feet – 13.27 feet) X 0.16 gallons/foot = 1.5248 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 17	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 17	PURGING INITIATED AT: 1020	PURGING ENDED AT: 1047	TOTAL VOLUME PURGED (gallons): 2.43

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1037	1.53	1.53	0.09	13.88	6.55	26.89	1947	1.06	0.48	CLEAR	NONE
1042	0.45	1.98	1	13.88	6.55	26.88	1948	0.94	0.44	1	1
1047	0.45	2.43		13.88	6.54	26.89	1947	0.83	0.45		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JAMES STOCKBRIDGE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1048	SAMPLING ENDED AT: 1053
PUMP OR TUBING DEPTH IN WELL (feet): 17	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	2	PE	1 LITER	COOL	0		TDS	PP	

REMARKS:

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

3513591-4

SITE NAME: CCSWAC	SITE LOCATION: SARASOTA, FL	
WELL NO: MW-10	SAMPLE ID:	DATE: 5/29/14

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 5/8"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 20.80	PURGE PUMP TYPE OR BAILER: GRP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (30.2 feet – 20.80 feet) X 0.16 gallons/foot = 1.504 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 23	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 23	PURGING INITIATED AT: 1110	PURGING ENDED AT: 1128	TOTAL VOLUME PURGED (gallons): 2.34

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (mS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1122	1.56	1.56	0.13	22.00	6.47	27.77	1482	0.83	1.25	CLEAR	NONE
1125	0.39	1.95	"	22.00	6.47	27.76	1481	0.75	1.42	"	"
1128	0.39	2.34	"	22.00	6.47	27.79	1482	0.70	1.36	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: James Stockbridge	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1129	SAMPLING ENDED AT: 1135
PUMP OR TUBING DEPTH IN WELL (feet): 23	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	2	PE	1 Liter	Cool	0		TDS	ESP	

REMARKS:

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

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

Sample Condition Upon Receipt Form (SCUR)

Table Number:_____

Client Name: Sarasota Project # 35139904

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

Tracking # _____

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

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

Date and Initials of person examining contents: 05/30/14 IS

Thermometer Used T-167 Type of Ice: Wet Blue None 0445

Cooler Temperature °C -0.4 (Visual) -0.3 (Correction Factor) -0.7 (Actual) (Temp should be above freezing to 6°C). If below 0°C, then was sample frozen? ☐ Yes ☐ No

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

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: 5/30

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:_____

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

July 09, 2014

Mr. Cesar Rodriquez
Sarasota County
1255 T. Mabry Carlton Parkway
Venice, FL 34292

RE: Project: Central County NAM wells
Pace Project No.: 35136390

Dear Mr. Rodriquez:
Enclosed are the analytical results for sample(s) received by the laboratory between May 02, 2014 and May 03, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Joe Vondrick
joe.vondrick@pacelabs.com
Project Manager

Enclosures

cc: Ms. Heather Bryen, Sarasota County
Finance Dept., Sarasota County

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

CERTIFICATIONS

Project: Central County NAM wells
Pace Project No.: 35136390

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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

SAMPLE SUMMARY

Project: Central County NAM wells
Pace Project No.: 35136390

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35136390001	**NAM-1**	Water	05/02/14 09:50	05/03/14 02:58
35136386001	**NAM-2**	Water	05/02/14 11:08	05/03/14 02:58
35136197001	**NAM-3**	Water	05/01/14 13:43	05/02/14 04:30
35136212001	**NAM-4**	Water	05/01/14 11:53	05/02/14 04:30
35136202001	**Eq Blank 05/01/14**	Water	05/01/14 09:30	05/02/14 04:30

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

SAMPLE ANALYTE COUNT

Project: Central County NAM wells
Pace Project No.: 35136390

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35136390001	**NAM-1**	EPA 6010	TAP	2	PASI-O
		EPA 6020	HEA	1	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 350.1	KEK	1	PASI-O
35136386001	**NAM-2**	EPA 6010	CRT	3	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 350.1	KEK	1	PASI-O
35136197001	**NAM-3**	EPA 6010	CRT	3	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 350.1	KEK	1	PASI-O
35136212001	**NAM-4**	EPA 6010	TAP	3	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 350.1	KEK	1	PASI-O
35136202001	**Eq Blank 05/01/14**	EPA 6010	CRT	3	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 350.1	KEK	1	PASI-O

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

ANALYTICAL RESULTS

Project: Central County NAM wells
Pace Project No.: 35136390

Sample: NAM-1 **Lab ID: 35136390001** Collected: 05/02/14 09:50 Received: 05/03/14 02:58 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**7.12**	Std. Units			1		05/02/14 09:50		
Field Temperature	**24.26**	deg C			1		05/02/14 09:50		
Field Specific Conductance	**1031**	umhos/cm			1		05/02/14 09:50		
Oxygen, Dissolved	**0.45**	mg/L			1		05/02/14 09:50	7782-44-7	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Iron	**1440**	ug/L	40.0	20.0	1	05/07/14 10:50	05/08/14 18:37	7439-89-6	
Manganese	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 18:37	7439-96-5	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Arsenic	**2.5**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 19:51	7440-38-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**650**	mg/L	5.0	5.0	1		05/09/14 10:35		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.044 I**	mg/L	0.050	0.020	1		05/15/14 12:11	7664-41-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Central County NAM wells
Pace Project No.: 35136390

Sample: NAM-2 **Lab ID: 35136386001** Collected: 05/02/14 11:08 Received: 05/03/14 02:58 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**7.01**	Std. Units			1		05/02/14 11:08		
Field Temperature	**23.57**	deg C			1		05/02/14 11:08		
Field Specific Conductance	**938**	umhos/cm			1		05/02/14 11:08		
Oxygen, Dissolved	**0.46**	mg/L			1		05/02/14 11:08	7782-44-7	
Turbidity	**2.98**	NTU			1		05/02/14 11:08		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/08/14 17:14	05/09/14 11:07	7440-38-2	
Iron	**1840**	ug/L	40.0	20.0	1	05/08/14 17:14	05/09/14 11:07	7439-89-6	
Manganese	**3.1 I**	ug/L	5.0	2.5	1	05/08/14 17:14	05/09/14 11:07	7439-96-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**633**	mg/L	5.0	5.0	1		05/09/14 10:34		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.13**	mg/L	0.050	0.020	1		05/15/14 12:10	7664-41-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Central County NAM wells
Pace Project No.: 35136390

Sample: NAM-3 **Lab ID: 35136197001** Collected: 05/01/14 13:43 Received: 05/02/14 04:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.94**	Std. Units			1		05/01/14 13:43		
Field Temperature	**23.91**	deg C			1		05/01/14 13:43		
Field Specific Conductance	**791**	umhos/cm			1		05/01/14 13:43		
Oxygen, Dissolved	**0.26**	mg/L			1		05/01/14 13:43	7782-44-7	
Turbidity	**0.94**	NTU			1		05/01/14 13:43		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**6.0 I**	ug/L	10.0	5.0	1	05/03/14 13:00	05/06/14 13:28	7440-38-2	
Iron	**1650**	ug/L	40.0	20.0	1	05/03/14 13:00	05/06/14 13:28	7439-89-6	
Manganese	**7.0**	ug/L	5.0	2.5	1	05/03/14 13:00	05/06/14 13:28	7439-96-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**565**	mg/L	5.0	5.0	1		05/08/14 13:55		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.18**	mg/L	0.050	0.020	1		05/15/14 11:23	7664-41-7	

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ANALYTICAL RESULTS

Project: Central County NAM wells
Pace Project No.: 35136390

Sample: NAM-4 **Lab ID: 35136212001** Collected: 05/01/14 11:53 Received: 05/02/14 04:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.66**	Std. Units			1		05/01/14 11:53		
Field Temperature	**24.48**	deg C			1		05/01/14 11:53		
Field Specific Conductance	**717**	umhos/cm			1		05/01/14 11:53		
Oxygen, Dissolved	**0.56**	mg/L			1		05/01/14 11:53	7782-44-7	
Turbidity	**1.03**	NTU			1		05/01/14 11:53		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**6.5 I**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 22:10	7440-38-2	
Iron	**2710**	ug/L	40.0	20.0	1	05/07/14 10:50	05/08/14 22:10	7439-89-6	
Manganese	**9.7**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 22:10	7439-96-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**460**	mg/L	5.0	5.0	1		05/08/14 13:55		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.078**	mg/L	0.050	0.020	1		05/15/14 11:25	7664-41-7	

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ANALYTICAL RESULTS

Project: Central County NAM wells
Pace Project No.: 35136390

Sample: Eq Blank 05/01/14 **Lab ID: 35136202001** Collected: 05/01/14 09:30 Received: 05/02/14 04:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/03/14 13:00	05/06/14 13:32	7440-38-2	
Iron	**20.0U**	ug/L	40.0	20.0	1	05/03/14 13:00	05/06/14 13:32	7439-89-6	
Manganese	**2.5U**	ug/L	5.0	2.5	1	05/03/14 13:00	05/06/14 13:32	7439-96-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**5.0U**	mg/L	5.0	5.0	1		05/08/14 13:55		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020U**	mg/L	0.050	0.020	1		05/15/14 11:24	7664-41-7	

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QUALITY CONTROL DATA

Project: Central County NAM wells
Pace Project No.: 35136390

QC Batch: MPRP/18295 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35136197001, 35136202001

METHOD BLANK: 893392 Matrix: Water
Associated Lab Samples: 35136197001, 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	05/06/14 11:16	
Iron	ug/L	20.0U	40.0	05/06/14 11:16	
Manganese	ug/L	2.5U	5.0	05/06/14 11:16	

LABORATORY CONTROL SAMPLE: 893393

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	255	102	80-120	
Iron	ug/L	2500	2600	104	80-120	
Manganese	ug/L	250	263	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 893394 893395

Parameter	Units	35136231001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	<5.0	250	250	264	259	105	103	75-125	2	20	
Iron	ug/L	<20.0	2500	2500	2620	2590	105	104	75-125	1	20	
Manganese	ug/L	4.3 I	250	250	264	265	104	104	75-125	.3	20	

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QUALITY CONTROL DATA

Project: Central County NAM wells
Pace Project No.: 35136390

QC Batch: MPRP/18337
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 35136212001

METHOD BLANK: 895569 Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	05/08/14 20:28	
Iron	ug/L	20.0U	40.0	05/08/14 20:28	
Manganese	ug/L	2.5U	5.0	05/08/14 20:28	

LABORATORY CONTROL SAMPLE: 895570

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	254	102	80-120	
Iron	ug/L	2500	2610	104	80-120	
Manganese	ug/L	250	264	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 895571 895572

Parameter	Units	35136642003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	<5.0	250	250	260	266	104	106	75-125	2	20	
Iron	ug/L	950	2500	2500	3520	3590	103	106	75-125	2	20	
Manganese	ug/L	2.9 I	250	250	266	277	105	110	75-125	4	20	

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QUALITY CONTROL DATA

Project: Central County NAM wells
Pace Project No.: 35136390

QC Batch: MPRP/18339
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 35136390001

METHOD BLANK: 895581 Matrix: Water
Associated Lab Samples: 35136390001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	20.0U	40.0	05/08/14 18:12	
Manganese	ug/L	2.5U	5.0	05/08/14 18:12	

LABORATORY CONTROL SAMPLE: 895582

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2500	2570	103	80-120	
Manganese	ug/L	250	263	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 895583 895584

Parameter	Units	35136323001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	20.0U	2500	2500	2570	2580	102	103	75-125	.5	20	
Manganese	ug/L	2.5U	250	250	263	264	105	106	75-125	.3	20	

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QUALITY CONTROL DATA

Project: Central County NAM wells
Pace Project No.: 35136390

QC Batch: MPRP/18366
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 35136386001

METHOD BLANK: 896942 Matrix: Water
Associated Lab Samples: 35136386001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	05/09/14 09:37	
Iron	ug/L	20.0U	40.0	05/09/14 09:37	
Manganese	ug/L	2.5U	5.0	05/09/14 09:37	

LABORATORY CONTROL SAMPLE: 896943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	257	103	80-120	
Iron	ug/L	2500	2590	104	80-120	
Manganese	ug/L	250	265	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 896944 896945

Parameter	Units	35136806002 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	259	258	104	103	75-125	.2	20	
Iron	ug/L	200	2500	2500	2720	2710	101	101	75-125	.4	20	
Manganese	ug/L	3.8 I	250	250	261	261	103	103	75-125	.2	20	

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QUALITY CONTROL DATA

Project: Central County NAM wells
Pace Project No.: 35136390

QC Batch: MPRP/18340
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Associated Lab Samples: 35136390001

METHOD BLANK: 895585
Matrix: Water
Associated Lab Samples: 35136390001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	0.50U	1.0	05/08/14 19:30	

LABORATORY CONTROL SAMPLE: 895586

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	50	50.8	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 895587 895588

Parameter	Units	35136323002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	0.50U	50	50	49.3	49.7	98	99	75-125	.8	20	

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QUALITY CONTROL DATA

Project: Central County NAM wells
Pace Project No.: 35136390

QC Batch: WET/24851 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35136197001, 35136202001, 35136212001

METHOD BLANK: 896995 Matrix: Water
Associated Lab Samples: 35136197001, 35136202001, 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	05/08/14 13:51	

LABORATORY CONTROL SAMPLE: 896996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	281	94	90-110	

SAMPLE DUPLICATE: 896997

Parameter	Units	35136282001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	85.0	87.0	2	20	

SAMPLE DUPLICATE: 896998

Parameter	Units	35136282002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	264	273	3	20	

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QUALITY CONTROL DATA

Project: Central County NAM wells
Pace Project No.: 35136390

QC Batch: WET/24872 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35136386001, 35136390001

METHOD BLANK: 897844 Matrix: Water
Associated Lab Samples: 35136386001, 35136390001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	05/09/14 10:34	

LABORATORY CONTROL SAMPLE: 897845

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

SAMPLE DUPLICATE: 897846

Parameter	Units	35136386001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	633	614	3	20	

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QUALITY CONTROL DATA

Project: Central County NAM wells
Pace Project No.: 35136390

QC Batch: WETA/35861 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35136197001, 35136202001, 35136212001

METHOD BLANK: 903188 Matrix: Water
Associated Lab Samples: 35136197001, 35136202001, 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.050	05/15/14 11:09	

LABORATORY CONTROL SAMPLE: 903189

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.93	93	90-110	

MATRIX SPIKE SAMPLE: 903191

Parameter	Units	35136857002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.097	1	1.0	95	90-110	

SAMPLE DUPLICATE: 903190

Parameter	Units	35136857002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.097	0.10	7	20	

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QUALITY CONTROL DATA

Project: Central County NAM wells
Pace Project No.: 35136390

QC Batch: WETA/35863 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35136386001, 35136390001

METHOD BLANK: 903196 Matrix: Water
Associated Lab Samples: 35136386001, 35136390001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.050	05/15/14 12:01	

LABORATORY CONTROL SAMPLE: 903197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.92	92	90-110	

MATRIX SPIKE SAMPLE: 903199

Parameter	Units	35137206015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.041 I	1	0.98	94	90-110	

SAMPLE DUPLICATE: 903198

Parameter	Units	35137206015 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.041 I	0.047 I		20	

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QUALIFIERS

Project: Central County NAM wells
Pace Project No.: 35136390

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.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Central County NAM wells
Pace Project No.: 35136390

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35136197001	**NAM-3**		FLD/		
35136212001	**NAM-4**		FLD/		
35136386001	**NAM-2**		FLD/		
35136390001	**NAM-1**		FLD/		
35136197001	**NAM-3**	EPA 3010	MPRP/18295	EPA 6010	ICP/11319
35136202001	**Eq Blank 05/01/14**	EPA 3010	MPRP/18295	EPA 6010	ICP/11319
35136212001	**NAM-4**	EPA 3010	MPRP/18337	EPA 6010	ICP/11337
35136386001	**NAM-2**	EPA 3010	MPRP/18366	EPA 6010	ICP/11355
35136390001	**NAM-1**	EPA 3010	MPRP/18339	EPA 6010	ICP/11340
35136390001	**NAM-1**	EPA 3010	MPRP/18340	EPA 6020	ICPM/7420
35136197001	**NAM-3**	SM 2540C	WET/24851		
35136202001	**Eq Blank 05/01/14**	SM 2540C	WET/24851		
35136212001	**NAM-4**	SM 2540C	WET/24851		
35136386001	**NAM-2**	SM 2540C	WET/24872		
35136390001	**NAM-1**	SM 2540C	WET/24872		
35136197001	**NAM-3**	EPA 350.1	WETA/35861		
35136202001	**Eq Blank 05/01/14**	EPA 350.1	WETA/35861		
35136212001	**NAM-4**	EPA 350.1	WETA/35861		
35136386001	**NAM-2**	EPA 350.1	WETA/35863		
35136390001	**NAM-1**	EPA 350.1	WETA/35863		

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WO# : 35136390

35136390

CHAIN OF CUSTODY RECORD

No. E

Page 1 of 1

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(INSTRUCTIONS ON BACK OF THIS FORM)

FOR LAB USE ONLY
Condition of Contents:
Temp. of Contents: 5.0 °C (or Received on Ice, ROI)
Condition of Seals:

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services

Address: 1255 T. Mabry Carlton Parkway
City Venice State Fl. Zip Code 34292
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez

Address:
City State Zip Code
Phone: ( )
Fax: ( )

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush: / /

3. Client Project Name:
Central County wells

4. Client Project No.:
No.: 140136

6. Custody Seal No.:

7. Sampled By: Alison Eggleston

8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW - Drinking Water	V - VOA vial
GW - Ground Water	G - glass
SW - Surface Water	P - plastic
PW - Processed Water	M - micro bag/cup
WW - Waste Water	O - other

14.

15. Preservatives	N	S	C
16. Containers	P	P	P

17.

Preservative Codes (for Item 15)
C - Cool Only
H - Hydrochloric Acid
M - Monochloroacetic Acid
N - Nitric Acid
OH - Sodium Hydroxide
S - Sulfuric Acid
T - Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	Time	12. Comp.	Grab	13. Water (Codes)	Air	Soil	Sludge	Other	Metals Fe, Mn, As	Nutrients Total Ammonia-N	Miscellaneous Inorgs TDS	20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1	29091	NAM-1	05/02/14	0950		X	gw					A				
2		↓	↓	↓		X	gw						B			
3		↓	↓	↓		X	gw							C		
6																

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Alison Eggleston	05/02/14	1150	[illegible]	5-3-14	1430
2 BSC	5-3-14	0500	Andrew [illegible]	5/3/14	0258
3					2.7 T-16.5
4					

FOR LAB USE ONLY
Sampling Fee: Hrs.
Equipment Rental Fee:
Profile No.: Quote No.:

DISTRIBUTION: White with report; make copies as needed

Revised: 1/99

PLEASE USE ADAP

Form FD 9000-24

GROUNDWATER SAMPLING LOG

35136390-1

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Road, Nokomis FL 34275	
WELL NO: NAM-1	SAMPLE ID: 29091	DATE: 5/2/14

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 4 feet to 14 feet	STATIC DEPTH TO WATER (feet): 4.10	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.5 feet – 4.10 feet) X 0.16 gallons/foot = 1.7 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5.1	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5.1	PURGING INITIATED AT: 0925	PURGING ENDED AT: 0949	TOTAL VOLUME PURGED (gallons): 2.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0941	1.8	1.8	0.11	4.62	7.12	24.20	1021	0.60	2.43	pale amber	none
0945	0.4	2.2	0.11	4.65	7.12	24.32	1024	0.49	3.29	↓	↓
0949	0.4	2.6	0.11	4.67	7.12	24.26	1031	0.45	3.31	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 0950	SAMPLING ENDED AT: 1018
PUMP OR TUBING DEPTH IN WELL (feet): 5.1	TUBING MATERIAL CODE: PE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A	1	PE	500 mL	HNO3	NA	———	Metals	APP	400
B	1	PE	250 mL	H2SO4	NA	———	Total Ammonia	APP	400
C	1	PE	1 L	None	NA	NA	Misc Inorganics	APP	400

REMARKS:

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

Revision Date: February 12, 2009

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

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: Scarsella Project # _____

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

Tracking # _____

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

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

Thermometer Used 1-165 Type of Ice: Wet Blue None

Cooler Temperature °C 1.6 (Visual) -0.1 (Correction Factor) 1.7 (Actual)

Date and Initials of person examining contents: 5/5/14 AJ

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

Receipt of samples satisfactory: ☐ Yes ☐ No

Rush TAT requested on COC:

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: 5/14

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: _____

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www.pacelabs.com

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

May 16, 2014

Mr. Cesar Rodriquez
Sarasota County
1255 T. Mabry Carlton Parkway
Venice, FL 34292

RE: Project: Central County Eq Blank
Pace Project No.: 35136202

Dear Mr. Rodriquez:
Enclosed are the analytical results for sample(s) received by the laboratory on May 02, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Joe Vondrick
joe.vondrick@pacelabs.com
Project Manager

Enclosures

cc: Ms. Heather Bryen, Sarasota County
Finance Dept., Sarasota County

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Ormond Beach, FL 32174
(386)672-5668

CERTIFICATIONS

Project: Central County Eq Blank
Pace Project No.: 35136202

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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Ormond Beach, FL 32174
(386)672-5668

SAMPLE SUMMARY

Project: Central County Eq Blank
Pace Project No.: 35136202

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35136202001	**Eq Blank 05/01/14**	Water	05/01/14 09:30	05/02/14 04:30
35136202002	**Trip Blank A**	Water	05/01/14 08:00	05/02/14 04:30

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(386)672-5668

SAMPLE ANALYTE COUNT

Project: Central County Eq Blank
Pace Project No.: 35136202

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35136202001	**Eq Blank 05/01/14**	EPA 8011	IRL	2	PASI-O
		EPA 8081	JLG	21	PASI-O
		EPA 8082	JLG	9	PASI-O
		EPA 8141	WFH	7	PASI-O
		EPA 8151	LJM	6	PASI-O
		EPA 6010	CRT	17	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8270 by SIM	EAO	20	PASI-O
		EPA 8270	BPJ	107	PASI-C
		EPA 8260	SK	61	PASI-O
		SM 2540C	WMW	1	PASI-O
		SM 4500-S2F	AGS	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 335.4	ADC	1	PASI-O
		EPA 350.1	KEK	1	PASI-O
35136202002	**Trip Blank A**	EPA 8260	SK	61	PASI-O

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ANALYTICAL RESULTS

Project: Central County Eq Blank
Pace Project No.: 35136202

Sample: Eq Blank 05/01/14 **Lab ID: 35136202001** Collected: 05/01/14 09:30 Received: 05/02/14 04:30 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	**0.0053U**	ug/L	0.022	0.0053	1	05/08/14 17:30	05/09/14 20:17	96-12-8	
1,2-Dibromoethane (EDB)	**0.0068U**	ug/L	0.011	0.0068	1	05/08/14 17:30	05/09/14 20:17	106-93-4	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**0.00051U**	ug/L	0.010	0.00051	1	05/06/14 20:00	05/07/14 18:18	309-00-2	
alpha-BHC	**0.00031U**	ug/L	0.010	0.00031	1	05/06/14 20:00	05/07/14 18:18	319-84-6	
beta-BHC	**0.00051U**	ug/L	0.010	0.00051	1	05/06/14 20:00	05/07/14 18:18	319-85-7	
delta-BHC	**0.00041U**	ug/L	0.010	0.00041	1	05/06/14 20:00	05/07/14 18:18	319-86-8	
gamma-BHC (Lindane)	**0.00020U**	ug/L	0.010	0.00020	1	05/06/14 20:00	05/07/14 18:18	58-89-9	
Chlordane (Technical)	**0.082U**	ug/L	0.51	0.082	1	05/06/14 20:00	05/07/14 18:18	57-74-9	
Chlorobenzilate	**0.021U**	ug/L	0.10	0.021	1	05/06/14 20:00	05/09/14 03:31	510-15-6	
4,4'-DDD	**0.0019U**	ug/L	0.010	0.0019	1	05/06/14 20:00	05/07/14 18:18	72-54-8	
4,4'-DDE	**0.00092U**	ug/L	0.010	0.00092	1	05/06/14 20:00	05/07/14 18:18	72-55-9	
4,4'-DDT	**0.0037U**	ug/L	0.010	0.0037	1	05/06/14 20:00	05/07/14 18:18	50-29-3	
Dieldrin	**0.00051U**	ug/L	0.010	0.00051	1	05/06/14 20:00	05/07/14 18:18	60-57-1	
Endosulfan I	**0.00071U**	ug/L	0.010	0.00071	1	05/06/14 20:00	05/07/14 18:18	959-98-8	
Endosulfan II	**0.00071U**	ug/L	0.010	0.00071	1	05/06/14 20:00	05/07/14 18:18	33213-65-9	
Endosulfan sulfate	**0.00061U**	ug/L	0.10	0.00061	1	05/06/14 20:00	05/07/14 18:18	1031-07-8	
Endrin	**0.0017U**	ug/L	0.010	0.0017	1	05/06/14 20:00	05/07/14 18:18	72-20-8	
Endrin aldehyde	**0.0072U**	ug/L	0.10	0.0072	1	05/06/14 20:00	05/07/14 18:18	7421-93-4	
Heptachlor	**0.0015U**	ug/L	0.010	0.0015	1	05/06/14 20:00	05/07/14 18:18	76-44-8	
Heptachlor epoxide	**0.00041U**	ug/L	0.010	0.00041	1	05/06/14 20:00	05/07/14 18:18	1024-57-3	
Methoxychlor	**0.0071U**	ug/L	0.010	0.0071	1	05/06/14 20:00	05/07/14 18:18	72-43-5	
Pentachloronitrobenzene	**0.015U**	ug/L	0.10	0.015	1	05/06/14 20:00	05/09/14 03:31	82-68-8	
Toxaphene	**0.29U**	ug/L	0.51	0.29	1	05/06/14 20:00	05/07/14 18:18	8001-35-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	**0.081U**	ug/L	0.51	0.081	1	05/06/14 20:00	05/07/14 15:47	12674-11-2	
PCB-1221 (Aroclor 1221)	**0.082U**	ug/L	0.51	0.082	1	05/06/14 20:00	05/07/14 15:47	11104-28-2	
PCB-1232 (Aroclor 1232)	**0.12U**	ug/L	0.51	0.12	1	05/06/14 20:00	05/07/14 15:47	11141-16-5	
PCB-1242 (Aroclor 1242)	**0.13U**	ug/L	0.51	0.13	1	05/06/14 20:00	05/07/14 15:47	53469-21-9	
PCB-1248 (Aroclor 1248)	**0.28U**	ug/L	0.51	0.28	1	05/06/14 20:00	05/07/14 15:47	12672-29-6	
PCB-1254 (Aroclor 1254)	**0.15U**	ug/L	0.51	0.15	1	05/06/14 20:00	05/07/14 15:47	11097-69-1	
PCB-1260 (Aroclor 1260)	**0.11U**	ug/L	0.51	0.11	1	05/06/14 20:00	05/07/14 15:47	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	66	%	48-111		1	05/06/14 20:00	05/07/14 15:47	877-09-8	
Decachlorobiphenyl (S)	34	%	63-121		1	05/06/14 20:00	05/07/14 15:47	2051-24-3	P2,S7
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Dimethoate	**0.25U**	ug/L	0.52	0.25	1	05/08/14 10:00	05/08/14 18:44	60-51-5	
Disulfoton	**0.26U**	ug/L	0.52	0.26	1	05/08/14 10:00	05/08/14 18:44	298-04-4	
Famphur	**0.30U**	ug/L	0.52	0.30	1	05/08/14 10:00	05/08/14 18:44	52-85-7	
Methyl parathion	**0.28U**	ug/L	0.52	0.28	1	05/08/14 10:00	05/08/14 18:44	298-00-0	
Parathion (Ethyl parathion)	**0.49U**	ug/L	1.0	0.49	1	05/08/14 10:00	05/08/14 18:44	56-38-2	
Phorate	**0.43U**	ug/L	1.0	0.43	1	05/08/14 10:00	05/08/14 18:44	298-02-2	

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Central County Eq Blank
Pace Project No.: 35136202

Sample: Eq Blank 05/01/14 **Lab ID: 35136202001** Collected: 05/01/14 09:30 Received: 05/02/14 04:30 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								
Surrogates									
4-Chloro3nitrobenzotrifluoride	72	%	34.2-122		1	05/08/14 10:00	05/08/14 18:44		
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**0.23U**	ug/L	0.95	0.23	1	05/08/14 07:15	05/09/14 03:39	94-75-7	
Dinoseb	**0.058U**	ug/L	0.19	0.058	1	05/08/14 07:15	05/09/14 03:39	88-85-7	
Pentachlorophenol	**0.017U**	ug/L	0.029	0.017	1	05/08/14 07:15	05/09/14 03:39	87-86-5	
2,4,5-T	**0.043U**	ug/L	0.19	0.043	1	05/08/14 07:15	05/09/14 03:39	93-76-5	
2,4,5-TP (Silvex)	**0.050U**	ug/L	0.19	0.050	1	05/08/14 07:15	05/09/14 03:39	93-72-1	
Surrogates									
2,4-DCAA (S)	87	%	42-142		1	05/08/14 07:15	05/09/14 03:39	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/03/14 13:00	05/06/14 13:32	7440-38-2	
Barium	**5.0U**	ug/L	10.0	5.0	1	05/03/14 13:00	05/06/14 13:32	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/03/14 13:00	05/06/14 13:32	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/03/14 13:00	05/06/14 13:32	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/03/14 13:00	05/06/14 13:32	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/03/14 13:00	05/06/14 13:32	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/03/14 13:00	05/06/14 13:32	7440-50-8	
Iron	**20.0U**	ug/L	40.0	20.0	1	05/03/14 13:00	05/06/14 13:32	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/03/14 13:00	05/06/14 13:32	7439-92-1	
Manganese	**2.5U**	ug/L	5.0	2.5	1	05/03/14 13:00	05/06/14 13:32	7439-96-5	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/03/14 13:00	05/06/14 13:32	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/03/14 13:00	05/06/14 13:32	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/03/14 13:00	05/06/14 13:32	7440-22-4	
Sodium	**0.50U**	mg/L	1.0	0.50	1	05/03/14 13:00	05/06/14 13:32	7440-23-5	
Tin	**25.0U**	ug/L	50.0	25.0	1	05/03/14 13:00	05/06/14 13:32	7440-31-5	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/03/14 13:00	05/06/14 13:32	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/03/14 13:00	05/06/14 13:32	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/03/14 13:00	05/06/14 14:01	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/03/14 13:00	05/06/14 14:01	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/14/14 14:00	05/15/14 09:05	7439-97-6	
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 00:56	83-32-9	
Acenaphthylene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 00:56	208-96-8	
Anthracene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 00:56	120-12-7	
Benzo(a)anthracene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 00:56	56-55-3	
Benzo(a)pyrene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 00:56	50-32-8	
Benzo(b)fluoranthene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 00:56	205-99-2	

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ANALYTICAL RESULTS

Project: Central County Eq Blank
Pace Project No.: 35136202

Sample: Eq Blank 05/01/14 **Lab ID: 35136202001** Collected: 05/01/14 09:30 Received: 05/02/14 04:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Benzo(g,h,i)perylene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 00:56	191-24-2	
Benzo(k)fluoranthene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 00:56	207-08-9	
Chrysene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 00:56	218-01-9	
Dibenz(a,h)anthracene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 00:56	53-70-3	
Fluoranthene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 00:56	206-44-0	
Fluorene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 00:56	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 00:56	193-39-5	
1-Methylnaphthalene	**1.0U**	ug/L	2.0	1.0	1	05/07/14 16:00	05/09/14 00:56	90-12-0	
2-Methylnaphthalene	**1.0U**	ug/L	2.0	1.0	1	05/07/14 16:00	05/09/14 00:56	91-57-6	
Naphthalene	**1.0U**	ug/L	2.0	1.0	1	05/07/14 16:00	05/09/14 00:56	91-20-3	
Phenanthrene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 00:56	85-01-8	
Pyrene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 00:56	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	69	%	18-110		1	05/07/14 16:00	05/09/14 00:56	321-60-8	
Terphenyl-d14 (S)	120	%	18-123		1	05/07/14 16:00	05/09/14 00:56	1718-51-0	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**1.1U**	ug/L	10.0	1.1	1	05/06/14 14:30	05/13/14 15:56	83-32-9	
Acenaphthylene	**0.99U**	ug/L	10.0	0.99	1	05/06/14 14:30	05/13/14 15:56	208-96-8	
Acetophenone	**0.83U**	ug/L	10.0	0.83	1	05/06/14 14:30	05/13/14 15:56	98-86-2	
2-Acetylaminofluorene	**0.31U**	ug/L	20.0	0.31	1	05/06/14 14:30	05/13/14 15:56	53-96-3	
4-Aminobiphenyl	**0.32U**	ug/L	10.0	0.32	1	05/06/14 14:30	05/13/14 15:56	92-67-1	
Anthracene	**0.47U**	ug/L	10.0	0.47	1	05/06/14 14:30	05/13/14 15:56	120-12-7	
Benzo(a)anthracene	**0.47U**	ug/L	10.0	0.47	1	05/06/14 14:30	05/13/14 15:56	56-55-3	
Benzo(a)pyrene	**0.57U**	ug/L	10.0	0.57	1	05/06/14 14:30	05/13/14 15:56	50-32-8	
Benzo(b)fluoranthene	**0.44U**	ug/L	10.0	0.44	1	05/06/14 14:30	05/13/14 15:56	205-99-2	
Benzo(g,h,i)perylene	**0.45U**	ug/L	10.0	0.45	1	05/06/14 14:30	05/13/14 15:56	191-24-2	
Benzo(k)fluoranthene	**0.53U**	ug/L	10.0	0.53	1	05/06/14 14:30	05/13/14 15:56	207-08-9	
Benzyl alcohol	**2.1U**	ug/L	20.0	2.1	1	05/06/14 14:30	05/13/14 15:56	100-51-6	
4-Bromophenylphenyl ether	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 15:56	101-55-3	
Butylbenzylphthalate	**0.48U**	ug/L	10.0	0.48	1	05/06/14 14:30	05/13/14 15:56	85-68-7	
4-Chloro-3-methylphenol	**2.0U**	ug/L	20.0	2.0	1	05/06/14 14:30	05/13/14 15:56	59-50-7	
4-Chloroaniline	**1.6U**	ug/L	20.0	1.6	1	05/06/14 14:30	05/13/14 15:56	106-47-8	
bis(2-Chloroethoxy)methane	**1.3U**	ug/L	10.0	1.3	1	05/06/14 14:30	05/13/14 15:56	111-91-1	
bis(2-Chloroethyl) ether	**0.89U**	ug/L	10.0	0.89	1	05/06/14 14:30	05/13/14 15:56	111-44-4	
bis(2-Chloroisopropyl) ether	**0.86U**	ug/L	10.0	0.86	1	05/06/14 14:30	05/13/14 15:56	108-60-1	
2-Chloronaphthalene	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 15:56	91-58-7	
2-Chlorophenol	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 15:56	95-57-8	
4-Chlorophenylphenyl ether	**1.1U**	ug/L	10.0	1.1	1	05/06/14 14:30	05/13/14 15:56	7005-72-3	
Chrysene	**0.49U**	ug/L	10.0	0.49	1	05/06/14 14:30	05/13/14 15:56	218-01-9	
Diallate	**0.96U**	ug/L	10.0	0.96	1	05/06/14 14:30	05/13/14 15:56	2303-16-4	
Dibenz(a,h)anthracene	**0.49U**	ug/L	10.0	0.49	1	05/06/14 14:30	05/13/14 15:56	53-70-3	
Dibenzofuran	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 15:56	132-64-9	
1,2-Dichlorobenzene	**0.71U**	ug/L	10.0	0.71	1	05/06/14 14:30	05/13/14 15:56	95-50-1	
1,3-Dichlorobenzene	**0.78U**	ug/L	10.0	0.78	1	05/06/14 14:30	05/13/14 15:56	541-73-1	
1,4-Dichlorobenzene	**0.81U**	ug/L	10.0	0.81	1	05/06/14 14:30	05/13/14 15:56	106-46-7	

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ANALYTICAL RESULTS

Project: Central County Eq Blank
Pace Project No.: 35136202

Sample: Eq Blank 05/01/14 **Lab ID: 35136202001** Collected: 05/01/14 09:30 Received: 05/02/14 04:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
3,3'-Dichlorobenzidine	**0.69U**	ug/L	20.0	0.69	1	05/06/14 14:30	05/13/14 15:56	91-94-1	
2,4-Dichlorophenol	**0.85U**	ug/L	10.0	0.85	1	05/06/14 14:30	05/13/14 15:56	120-83-2	
2,6-Dichlorophenol	**1.7U**	ug/L	10.0	1.7	1	05/06/14 14:30	05/13/14 15:56	87-65-0	
Diethylphthalate	**0.91U**	ug/L	10.0	0.91	1	05/06/14 14:30	05/13/14 15:56	84-66-2	
P-Dimethylaminoazobenzene	**0.23U**	ug/L	5.0	0.23	1	05/06/14 14:30	05/13/14 15:56	60-11-7	
7,12-Dimethylbenz(a)anthracene	**0.51U**	ug/L	10.0	0.51	1	05/06/14 14:30	05/13/14 15:56	57-97-6	
3,3'-Dimethylbenzidine	**0.74U**	ug/L	10.0	0.74	1	05/06/14 14:30	05/13/14 15:56	119-93-7	
2,4-Dimethylphenol	**0.96U**	ug/L	10.0	0.96	1	05/06/14 14:30	05/13/14 15:56	105-67-9	
a,a-Dimethylphenylethylamine	**1.5U**	ug/L	50.0	1.5	1	05/06/14 14:30	05/13/14 15:56	122-09-8	
Dimethylphthalate	**0.62U**	ug/L	10.0	0.62	1	05/06/14 14:30	05/13/14 15:56	131-11-3	
Di-n-butylphthalate	**0.37U**	ug/L	10.0	0.37	1	05/06/14 14:30	05/13/14 15:56	84-74-2	
4,6-Dinitro-2-methylphenol	**1.1U**	ug/L	20.0	1.1	1	05/06/14 14:30	05/13/14 15:56	534-52-1	
1,3-Dinitrobenzene	**0.81U**	ug/L	20.0	0.81	1	05/06/14 14:30	05/13/14 15:56	99-65-0	
2,4-Dinitrophenol	**2.5U**	ug/L	50.0	2.5	1	05/06/14 14:30	05/13/14 15:56	51-28-5	
2,4-Dinitrotoluene	**0.92U**	ug/L	10.0	0.92	1	05/06/14 14:30	05/13/14 15:56	121-14-2	
2,6-Dinitrotoluene	**2.1U**	ug/L	10.0	2.1	1	05/06/14 14:30	05/13/14 15:56	606-20-2	
Di-n-octylphthalate	**0.12U**	ug/L	10.0	0.12	1	05/06/14 14:30	05/13/14 15:56	117-84-0	
bis(2-Ethylhexyl)phthalate	**0.49U**	ug/L	6.0	0.49	1	05/06/14 14:30	05/13/14 15:56	117-81-7	
Ethyl methanesulfonate	**1.3U**	ug/L	20.0	1.3	1	05/06/14 14:30	05/13/14 15:56	62-50-0	
Fluoranthene	**0.41U**	ug/L	10.0	0.41	1	05/06/14 14:30	05/13/14 15:56	206-44-0	
Fluorene	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 15:56	86-73-7	
Hexachlorobenzene	**0.76U**	ug/L	10.0	0.76	1	05/06/14 14:30	05/13/14 15:56	118-74-1	
Hexachlorocyclopentadiene	**1.1U**	ug/L	10.0	1.1	1	05/06/14 14:30	05/13/14 15:56	77-47-4	
Hexachloroethane	**0.90U**	ug/L	10.0	0.90	1	05/06/14 14:30	05/13/14 15:56	67-72-1	
Hexachlorophene	**1.9U**	ug/L	100	1.9	1	05/06/14 14:30	05/13/14 15:56	70-30-4	
Hexachloropropene	**1.4U**	ug/L	10.0	1.4	1	05/06/14 14:30	05/13/14 15:56	1888-71-7	
Indeno(1,2,3-cd)pyrene	**0.53U**	ug/L	10.0	0.53	1	05/06/14 14:30	05/13/14 15:56	193-39-5	
Isodrin	**0.75U**	ug/L	20.0	0.75	1	05/06/14 14:30	05/13/14 15:56	465-73-6	
Isophorone	**0.92U**	ug/L	10.0	0.92	1	05/06/14 14:30	05/13/14 15:56	78-59-1	
Isosafrole	**1.2U**	ug/L	10.0	1.2	1	05/06/14 14:30	05/13/14 15:56	120-58-1	
Kepone	**1.6U**	ug/L	10.0	1.6	1	05/06/14 14:30	05/13/14 15:56	143-50-0	
Methapyrilene	**1.3U**	ug/L	50.0	1.3	1	05/06/14 14:30	05/13/14 15:56	91-80-5	
3-Methylcholanthrene	**0.37U**	ug/L	10.0	0.37	1	05/06/14 14:30	05/13/14 15:56	56-49-5	
Methyl methanesulfonate	**1.2U**	ug/L	5.0	1.2	1	05/06/14 14:30	05/13/14 15:56	66-27-3	
2-Methylnaphthalene	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 15:56	91-57-6	
2-Methylphenol(o-Cresol)	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 15:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 15:56		
1-Naphthalenamine	**0.54U**	ug/L	5.0	0.54	1	05/06/14 14:30	05/13/14 15:56	134-32-7	
2-Naphthalenamine	**0.87U**	ug/L	5.0	0.87	1	05/06/14 14:30	05/13/14 15:56	91-59-8	
Naphthalene	**0.93U**	ug/L	10.0	0.93	1	05/06/14 14:30	05/13/14 15:56	91-20-3	
1,4-Naphthoquinone	**0.84U**	ug/L	5.0	0.84	1	05/06/14 14:30	05/13/14 15:56	130-15-4	
2-Nitroaniline	**1.5U**	ug/L	50.0	1.5	1	05/06/14 14:30	05/13/14 15:56	88-74-4	
3-Nitroaniline	**1.3U**	ug/L	50.0	1.3	1	05/06/14 14:30	05/13/14 15:56	99-09-2	
4-Nitroaniline	**1.6U**	ug/L	20.0	1.6	1	05/06/14 14:30	05/13/14 15:56	100-01-6	
Nitrobenzene	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 15:56	98-95-3	
2-Nitrophenol	**0.71U**	ug/L	10.0	0.71	1	05/06/14 14:30	05/13/14 15:56	88-75-5	

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ANALYTICAL RESULTS

Project: Central County Eq Blank
Pace Project No.: 35136202

Sample: Eq Blank 05/01/14 **Lab ID: 35136202001** Collected: 05/01/14 09:30 Received: 05/02/14 04:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
4-Nitrophenol	**3.9U**	ug/L	50.0	3.9	1	05/06/14 14:30	05/13/14 15:56	100-02-7	
5-Nitro-o-toluidine	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 15:56	99-55-8	
N-Nitrosodiethylamine	**0.91U**	ug/L	20.0	0.91	1	05/06/14 14:30	05/13/14 15:56	55-18-5	
N-Nitrosodimethylamine	**0.94U**	ug/L	10.0	0.94	1	05/06/14 14:30	05/13/14 15:56	62-75-9	
N-Nitroso-di-n-butylamine	**1.3U**	ug/L	10.0	1.3	1	05/06/14 14:30	05/13/14 15:56	924-16-3	
N-Nitroso-di-n-propylamine	**0.85U**	ug/L	10.0	0.85	1	05/06/14 14:30	05/13/14 15:56	621-64-7	
N-Nitrosodiphenylamine	**0.64U**	ug/L	10.0	0.64	1	05/06/14 14:30	05/13/14 15:56	86-30-6	
N-Nitrosomethylethylamine	**0.61U**	ug/L	10.0	0.61	1	05/06/14 14:30	05/13/14 15:56	10595-95-6	
N-Nitrosopiperidine	**1.2U**	ug/L	20.0	1.2	1	05/06/14 14:30	05/13/14 15:56	100-75-4	
N-Nitrosopyrrolidine	**1.1U**	ug/L	10.0	1.1	1	05/06/14 14:30	05/13/14 15:56	930-55-2	
O,O,O-Triethylphosphorothioate	**1.4U**	ug/L	10.0	1.4	1	05/06/14 14:30	05/13/14 15:56	126-68-1	
Pentachlorobenzene	**1.5U**	ug/L	10.0	1.5	1	05/06/14 14:30	05/13/14 15:56	608-93-5	
Phenacetin	**0.54U**	ug/L	20.0	0.54	1	05/06/14 14:30	05/13/14 15:56	62-44-2	
Phenanthrene	**0.53U**	ug/L	10.0	0.53	1	05/06/14 14:30	05/13/14 15:56	85-01-8	
Phenol	**1.1U**	ug/L	10.0	1.1	1	05/06/14 14:30	05/13/14 15:56	108-95-2	
p-Phenylenediamine	**0.96U**	ug/L	10.0	0.96	1	05/06/14 14:30	05/13/14 15:56	106-50-3	
Pronamide	**0.58U**	ug/L	10.0	0.58	1	05/06/14 14:30	05/13/14 15:56	23950-58-5	
Pyrene	**0.49U**	ug/L	10.0	0.49	1	05/06/14 14:30	05/13/14 15:56	129-00-0	
Safrole	**1.4U**	ug/L	10.0	1.4	1	05/06/14 14:30	05/13/14 15:56	94-59-7	
1,2,4,5-Tetrachlorobenzene	**1.3U**	ug/L	10.0	1.3	1	05/06/14 14:30	05/13/14 15:56	95-94-3	
2,3,4,6-Tetrachlorophenol	**1.6U**	ug/L	10.0	1.6	1	05/06/14 14:30	05/13/14 15:56	58-90-2	
Thionazin	**0.86U**	ug/L	20.0	0.86	1	05/06/14 14:30	05/13/14 15:56	297-97-2	
O-Toluidine	**0.72U**	ug/L	10.0	0.72	1	05/06/14 14:30	05/13/14 15:56	95-53-4	
2,4,5-Trichlorophenol	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 15:56	95-95-4	
2,4,6-Trichlorophenol	**0.85U**	ug/L	10.0	0.85	1	05/06/14 14:30	05/13/14 15:56	88-06-2	
1,3,5-Trinitrobenzene	**0.83U**	ug/L	10.0	0.83	1	05/06/14 14:30	05/13/14 15:56	99-35-4	
Surrogates									
Nitrobenzene-d5 (S)	43	%	21-110		1	05/06/14 14:30	05/13/14 15:56	4165-60-0	
2-Fluorobiphenyl (S)	49	%	27-110		1	05/06/14 14:30	05/13/14 15:56	321-60-8	
Terphenyl-d14 (S)	98	%	31-107		1	05/06/14 14:30	05/13/14 15:56	1718-51-0	
Phenol-d6 (S)	17	%	10-110		1	05/06/14 14:30	05/13/14 15:56	13127-88-3	
2-Fluorophenol (S)	23	%	12-110		1	05/06/14 14:30	05/13/14 15:56	367-12-4	
2,4,6-Tribromophenol (S)	47	%	27-110		1	05/06/14 14:30	05/13/14 15:56	118-79-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/14/14 14:24	67-64-1	
Acetonitrile	**5.0U**	ug/L	10.0	5.0	1		05/14/14 14:24	75-05-8	
Acrolein	**10.0U**	ug/L	20.0	10.0	1		05/14/14 14:24	107-02-8	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/14/14 14:24	107-13-1	
Allyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	107-05-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/14/14 14:24	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/14/14 14:24	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/14/14 14:24	78-93-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Central County Eq Blank
Pace Project No.: 35136202

Sample: Eq Blank 05/01/14 **Lab ID: 35136202001** Collected: 05/01/14 09:30 Received: 05/02/14 04:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/14/14 14:24	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/14/14 14:24	74-87-3	
Chloroprene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	126-99-8	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/14/14 14:24	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	74-95-3	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/14/14 14:24	110-57-6	
Dichlorodifluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	75-71-8	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	78-87-5	
1,3-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	142-28-9	
2,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	594-20-7	
1,1-Dichloropropene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	563-58-6	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/14/14 14:24	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/14/14 14:24	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	100-41-4	
Ethyl methacrylate	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	97-63-2	
Hexachloro-1,3-butadiene	**0.40U**	ug/L	1.0	0.40	1		05/14/14 14:24	87-68-3	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/14/14 14:24	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	74-88-4	
Isobutyl Alcohol	**10.0U**	ug/L	20.0	10.0	1		05/14/14 14:24	78-83-1	
Methacrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/14/14 14:24	126-98-7	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/14/14 14:24	75-09-2	
Methyl methacrylate	**5.0U**	ug/L	10.0	5.0	1		05/14/14 14:24	80-62-6	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/14/14 14:24	108-10-1	
Propionitrile	**5.0U**	ug/L	10.0	5.0	1		05/14/14 14:24	107-12-0	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/14/14 14:24	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	108-88-3	
1,2,4-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	120-82-1	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/14/14 14:24	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/14/14 14:24	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	75-01-4	

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ANALYTICAL RESULTS

Project: Central County Eq Blank
Pace Project No.: 35136202

Sample: Eq Blank 05/01/14 **Lab ID: 35136202001** Collected: 05/01/14 09:30 Received: 05/02/14 04:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/14/14 14:24	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-114		1		05/14/14 14:24	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	86-125		1		05/14/14 14:24	17060-07-0	
Toluene-d8 (S)	102	%	87-113		1		05/14/14 14:24	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**5.0U**	mg/L	5.0	5.0	1		05/08/14 13:55		
4500S2F Sulfide	Analytical Method: SM 4500-S2F								
Sulfide	**0.10U**	mg/L	0.10	0.10	1		05/06/14 15:09	18496-25-8	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.043U**	mg/L	0.050	0.043	1		05/02/14 19:15	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**2.5U**	mg/L	5.0	2.5	1		05/02/14 19:15	16887-00-6	
Sulfate	**2.5U**	mg/L	5.0	2.5	1		05/02/14 19:15	14808-79-8	
335.4 Cyanide, Total	Analytical Method: EPA 335.4 Preparation Method: EPA 335.4								
Cyanide	**0.0050U**	mg/L	0.010	0.0050	1	05/15/14 13:00	05/15/14 19:09	57-12-5	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020U**	mg/L	0.050	0.020	1		05/15/14 11:24	7664-41-7	

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ANALYTICAL RESULTS

Project: Central County Eq Blank
Pace Project No.: 35136202

Sample: Trip Blank A **Lab ID: 35136202002** Collected: 05/01/14 08:00 Received: 05/02/14 04:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/14/14 13:59	67-64-1	
Acetonitrile	**5.0U**	ug/L	10.0	5.0	1		05/14/14 13:59	75-05-8	
Acrolein	**10.0U**	ug/L	20.0	10.0	1		05/14/14 13:59	107-02-8	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/14/14 13:59	107-13-1	
Allyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	107-05-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/14/14 13:59	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/14/14 13:59	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/14/14 13:59	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/14/14 13:59	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/14/14 13:59	74-87-3	
Chloroprene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	126-99-8	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/14/14 13:59	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	74-95-3	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/14/14 13:59	110-57-6	
Dichlorodifluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	75-71-8	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	78-87-5	
1,3-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	142-28-9	
2,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	594-20-7	
1,1-Dichloropropene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	563-58-6	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/14/14 13:59	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/14/14 13:59	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	100-41-4	
Ethyl methacrylate	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	97-63-2	
Hexachloro-1,3-butadiene	**0.40U**	ug/L	1.0	0.40	1		05/14/14 13:59	87-68-3	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/14/14 13:59	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	74-88-4	
Isobutyl Alcohol	**10.0U**	ug/L	20.0	10.0	1		05/14/14 13:59	78-83-1	
Methacrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/14/14 13:59	126-98-7	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/14/14 13:59	75-09-2	
Methyl methacrylate	**5.0U**	ug/L	10.0	5.0	1		05/14/14 13:59	80-62-6	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/14/14 13:59	108-10-1	
Propionitrile	**5.0U**	ug/L	10.0	5.0	1		05/14/14 13:59	107-12-0	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	630-20-6	

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ANALYTICAL RESULTS

Project: Central County Eq Blank
Pace Project No.: 35136202

Sample: Trip Blank A **Lab ID: 35136202002** Collected: 05/01/14 08:00 Received: 05/02/14 04:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/14/14 13:59	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	108-88-3	
1,2,4-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	120-82-1	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/14/14 13:59	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/14/14 13:59	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/14/14 13:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-114		1		05/14/14 13:59	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	86-125		1		05/14/14 13:59	17060-07-0	
Toluene-d8 (S)	98	%	87-113		1		05/14/14 13:59	2037-26-5	

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

QC Batch: MERP/4627
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 35136202001

METHOD BLANK: 902004 Matrix: Water
Associated Lab Samples: 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	05/15/14 08:50	

LABORATORY CONTROL SAMPLE: 902005

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 902006 902007

Parameter	Units	35136197001 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	1.9	1.9	93	93	80-120	0	20	

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

QC Batch: MPRP/18295
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 35136202001

METHOD BLANK: 893392
Matrix: Water
Associated Lab Samples: 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	05/06/14 11:16	
Barium	ug/L	5.0U	10.0	05/06/14 11:16	
Beryllium	ug/L	0.50U	1.0	05/06/14 11:16	
Cadmium	ug/L	0.50U	1.0	05/06/14 11:16	
Chromium	ug/L	2.5U	5.0	05/06/14 11:16	
Cobalt	ug/L	5.0U	10.0	05/06/14 11:16	
Copper	ug/L	2.5U	5.0	05/06/14 11:16	
Iron	ug/L	20.0U	40.0	05/06/14 11:16	
Lead	ug/L	5.0U	10.0	05/06/14 11:16	
Manganese	ug/L	2.5U	5.0	05/06/14 11:16	
Nickel	ug/L	2.5U	5.0	05/06/14 11:16	
Selenium	ug/L	7.5U	15.0	05/06/14 11:16	
Silver	ug/L	2.5U	5.0	05/06/14 11:16	
Sodium	mg/L	0.50U	1.0	05/06/14 11:16	
Tin	ug/L	25.0U	50.0	05/06/14 11:16	
Vanadium	ug/L	5.0U	10.0	05/06/14 11:16	
Zinc	ug/L	10.0U	20.0	05/06/14 11:16	

LABORATORY CONTROL SAMPLE: 893393

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	255	102	80-120	
Barium	ug/L	250	260	104	80-120	
Beryllium	ug/L	25	26.4	106	80-120	
Cadmium	ug/L	25	26.4	106	80-120	
Chromium	ug/L	250	263	105	80-120	
Cobalt	ug/L	250	262	105	80-120	
Copper	ug/L	250	256	103	80-120	
Iron	ug/L	2500	2600	104	80-120	
Lead	ug/L	250	263	105	80-120	
Manganese	ug/L	250	263	105	80-120	
Nickel	ug/L	250	265	106	80-120	
Selenium	ug/L	250	274	110	80-120	
Silver	ug/L	25	25.8	103	80-120	
Sodium	mg/L	12.5	13.1	105	80-120	
Tin	ug/L	1250	1320	105	80-120	
Vanadium	ug/L	250	259	104	80-120	
Zinc	ug/L	1250	1320	106	80-120	

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 893394 893395

Parameter	Units	35136231001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	<5.0	250	250	264	259	105	103	75-125	2	20	
Barium	ug/L	10.0	250	250	276	272	106	105	75-125	1	20	
Beryllium	ug/L	<0.50	25	25	26.5	26.3	106	105	75-125	.6	20	
Cadmium	ug/L	<0.50	25	25	26.4	26.0	106	104	75-125	1	20	
Chromium	ug/L	<2.5	250	250	269	267	108	107	75-125	.7	20	
Cobalt	ug/L	<5.0	250	250	265	263	106	105	75-125	.9	20	
Copper	ug/L	<2.5	250	250	275	260	110	104	75-125	5	20	
Iron	ug/L	<20.0	2500	2500	2620	2590	105	104	75-125	1	20	
Lead	ug/L	<5.0	250	250	267	262	107	105	75-125	2	20	
Manganese	ug/L	4.3 I	250	250	264	265	104	104	75-125	.3	20	
Nickel	ug/L	<2.5	250	250	268	265	107	106	75-125	1	20	
Selenium	ug/L	<7.5	250	250	234	232	94	93	75-125	.8	20	
Silver	ug/L	<2.5	25	25	26.2	26.1	105	104	75-125	.4	20	
Sodium	mg/L	37.6	12.5	12.5	52.0	52.2	116	117	75-125	.3	20	
Tin	ug/L	<25.0	1250	1250	1340	1310	107	105	75-125	2	20	
Vanadium	ug/L	<5.0	250	250	271	265	108	105	75-125	2	20	
Zinc	ug/L	<10.0	1250	1250	1330	1320	106	105	75-125	.8	20	

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

QC Batch: MPRP/18296
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Associated Lab Samples: 35136202001

METHOD BLANK: 893396
Matrix: Water
Associated Lab Samples: 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	05/06/14 12:42	
Thallium	ug/L	0.50U	1.0	05/07/14 07:50	

LABORATORY CONTROL SAMPLE: 893397

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	50.2	100	80-120	
Thallium	ug/L	50	48.0	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 893398 893399

Parameter	Units	35136231002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	<0.50	50	50	49.6	49.2	99	98	75-125	.9	20	
Thallium	ug/L	<0.50	50	50	49.8	53.4	100	107	75-125	7	20	

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

QC Batch: MSV/11649 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35136202001, 35136202002

METHOD BLANK: 902097 Matrix: Water
Associated Lab Samples: 35136202001, 35136202002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	05/14/14 10:13	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	05/14/14 10:13	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	05/14/14 10:13	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	05/14/14 10:13	
1,1-Dichloroethane	ug/L	0.50U	1.0	05/14/14 10:13	
1,1-Dichloroethene	ug/L	0.50U	1.0	05/14/14 10:13	
1,1-Dichloropropene	ug/L	0.50U	1.0	05/14/14 10:13	
1,2,3-Trichloropropane	ug/L	0.59U	1.0	05/14/14 10:13	
1,2,4-Trichlorobenzene	ug/L	0.50U	1.0	05/14/14 10:13	
1,2-Dichloroethane	ug/L	0.50U	1.0	05/14/14 10:13	
1,2-Dichloropropane	ug/L	0.50U	1.0	05/14/14 10:13	
1,3-Dichloropropane	ug/L	0.50U	1.0	05/14/14 10:13	
2,2-Dichloropropane	ug/L	0.50U	1.0	05/14/14 10:13	
2-Butanone (MEK)	ug/L	5.0U	10.0	05/14/14 10:13	
2-Hexanone	ug/L	5.0U	10.0	05/14/14 10:13	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	05/14/14 10:13	
Acetone	ug/L	10.0U	20.0	05/14/14 10:13	
Acetonitrile	ug/L	5.0U	10.0	05/14/14 10:13	
Acrolein	ug/L	10.0U	20.0	05/14/14 10:13	
Acrylonitrile	ug/L	5.0U	10.0	05/14/14 10:13	
Allyl chloride	ug/L	0.50U	1.0	05/14/14 10:13	
Benzene	ug/L	0.10U	1.0	05/14/14 10:13	
Bromochloromethane	ug/L	0.50U	1.0	05/14/14 10:13	
Bromodichloromethane	ug/L	0.27U	0.60	05/14/14 10:13	
Bromoform	ug/L	0.50U	1.0	05/14/14 10:13	
Bromomethane	ug/L	0.50U	1.0	05/14/14 10:13	
Carbon disulfide	ug/L	5.0U	10.0	05/14/14 10:13	
Carbon tetrachloride	ug/L	0.50U	1.0	05/14/14 10:13	
Chlorobenzene	ug/L	0.50U	1.0	05/14/14 10:13	
Chloroethane	ug/L	0.50U	1.0	05/14/14 10:13	
Chloroform	ug/L	0.50U	1.0	05/14/14 10:13	
Chloromethane	ug/L	0.62U	1.0	05/14/14 10:13	
Chloroprene	ug/L	0.50U	1.0	05/14/14 10:13	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	05/14/14 10:13	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	05/14/14 10:13	
Dibromochloromethane	ug/L	0.26U	0.50	05/14/14 10:13	
Dibromomethane	ug/L	0.50U	1.0	05/14/14 10:13	
Dichlorodifluoromethane	ug/L	0.50U	1.0	05/14/14 10:13	
Ethyl methacrylate	ug/L	0.50U	1.0	05/14/14 10:13	
Ethylbenzene	ug/L	0.50U	1.0	05/14/14 10:13	
Hexachloro-1,3-butadiene	ug/L	0.56 I	1.0	05/14/14 10:13	
Iodomethane	ug/L	0.50U	1.0	05/14/14 10:13	
Isobutyl Alcohol	ug/L	10.0U	20.0	05/14/14 10:13	

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

METHOD BLANK: 902097 Matrix: Water
Associated Lab Samples: 35136202001, 35136202002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methacrylonitrile	ug/L	5.0U	10.0	05/14/14 10:13	
Methyl methacrylate	ug/L	5.0U	10.0	05/14/14 10:13	
Methylene Chloride	ug/L	2.5U	5.0	05/14/14 10:13	
Propionitrile	ug/L	5.0U	10.0	05/14/14 10:13	
Styrene	ug/L	0.50U	1.0	05/14/14 10:13	
Tetrachloroethene	ug/L	0.50U	1.0	05/14/14 10:13	
Toluene	ug/L	0.50U	1.0	05/14/14 10:13	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	05/14/14 10:13	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	05/14/14 10:13	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	05/14/14 10:13	
Trichloroethene	ug/L	0.50U	1.0	05/14/14 10:13	
Trichlorofluoromethane	ug/L	0.50U	1.0	05/14/14 10:13	
Vinyl acetate	ug/L	1.0U	2.0	05/14/14 10:13	
Vinyl chloride	ug/L	0.50U	1.0	05/14/14 10:13	
Xylene (Total)	ug/L	0.50U	1.0	05/14/14 10:13	
1,2-Dichloroethane-d4 (S)	%	97	86-125	05/14/14 10:13	
4-Bromofluorobenzene (S)	%	104	70-114	05/14/14 10:13	
Toluene-d8 (S)	%	100	87-113	05/14/14 10:13	

LABORATORY CONTROL SAMPLE: 902098

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.3	102	70-130	
1,1,1-Trichloroethane	ug/L	20	19.5	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	15.6	78	70-130	
1,1,2-Trichloroethane	ug/L	20	18.9	94	70-130	
1,1-Dichloroethane	ug/L	20	19.0	95	70-130	
1,1-Dichloroethene	ug/L	20	16.8	84	70-130	
1,1-Dichloropropene	ug/L	20	18.8	94	70-130	
1,2,3-Trichloropropane	ug/L	20	15.5	77	70-130	
1,2,4-Trichlorobenzene	ug/L	20	16.9	84	70-130	
1,2-Dichloroethane	ug/L	20	18.3	92	70-130	
1,2-Dichloropropane	ug/L	20	16.9	84	70-130	
1,3-Dichloropropane	ug/L	20	18.9	94	70-130	
2,2-Dichloropropane	ug/L	20	22.1	110	70-131	
2-Butanone (MEK)	ug/L	40	29.2	73	55-167	
2-Hexanone	ug/L	40	29.8	74	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	31.6	79	70-130	
Acetone	ug/L	40	28.7	72	40-150	
Acetonitrile	ug/L	200	147	74	63-138	
Acrolein	ug/L	200	184	92	44-170	
Acrylonitrile	ug/L	200	160	80	70-130	
Allyl chloride	ug/L	20	17.4	87	70-130	
Benzene	ug/L	20	19.1	96	70-130	
Bromochloromethane	ug/L	20	20.9	104	70-130	

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

LABORATORY CONTROL SAMPLE: 902098

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	18.2	91	70-130	
Bromoform	ug/L	20	19.6	98	68-130	
Bromomethane	ug/L	20	21.8	109	38-179	
Carbon disulfide	ug/L	20	18.4	92	51-155	
Carbon tetrachloride	ug/L	20	18.6	93	70-130	
Chlorobenzene	ug/L	20	19.8	99	70-130	
Chloroethane	ug/L	20	16.6	83	59-149	
Chloroform	ug/L	20	18.8	94	70-130	
Chloromethane	ug/L	20	22.0	110	68-130	
Chloroprene	ug/L	20	16.8	84	70-130	
cis-1,2-Dichloroethene	ug/L	20	17.9	90	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.2	96	70-130	
Dibromochloromethane	ug/L	20	19.6	98	70-130	
Dibromomethane	ug/L	20	19.0	95	70-130	
Dichlorodifluoromethane	ug/L	20	16.8	84	67-130	
Ethyl methacrylate	ug/L	20	16.4	82	70-130	
Ethylbenzene	ug/L	20	19.3	97	70-130	
Hexachloro-1,3-butadiene	ug/L	20	18.2	91	70-130	
Iodomethane	ug/L	40	37.0	93	43-160	
Isobutyl Alcohol	ug/L	400	271	68	66-135	
Methacrylonitrile	ug/L	200	162	81	70-130	
Methyl methacrylate	ug/L	20	16.7	84	70-130	
Methylene Chloride	ug/L	20	18.5	93	70-130	
Propionitrile	ug/L	200	163	82	70-130	
Styrene	ug/L	20	20.0	100	70-130	
Tetrachloroethene	ug/L	20	16.4	82	66-133	
Toluene	ug/L	20	20.1	100	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.6	93	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.1	95	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	16.8	84	65-130	
Trichloroethene	ug/L	20	19.5	98	70-130	
Trichlorofluoromethane	ug/L	20	17.0	85	70-131	
Vinyl acetate	ug/L	20	16.5	82	69-135	
Vinyl chloride	ug/L	20	18.4	92	69-140	
Xylene (Total)	ug/L	60	57.9	96	70-130	
1,2-Dichloroethane-d4 (S)	%			94	86-125	
4-Bromofluorobenzene (S)	%			106	70-114	
Toluene-d8 (S)	%			104	87-113	

MATRIX SPIKE SAMPLE: 902099

Parameter	Units	35136197001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	20.6	103	39-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	22.3	111	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	18.6	93	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	19.5	97	50-130	
1,1-Dichloroethane	ug/L	0.50U	20	20.7	103	54-137	

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

MATRIX SPIKE SAMPLE: 902099

Parameter	Units	35136197001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	0.50U	20	20.0	100	45-155	
1,1-Dichloropropene	ug/L	0.50U	20	21.1	105	61-141	
1,2,3-Trichloropropane	ug/L	0.59U	20	20.8	104	31-132	
1,2,4-Trichlorobenzene	ug/L	0.50U	20	22.1	110	34-138	
1,2-Dichloroethane	ug/L	0.50U	20	19.5	97	54-130	
1,2-Dichloropropane	ug/L	0.50U	20	18.1	90	53-130	
1,3-Dichloropropane	ug/L	0.50U	20	19.9	99	59-127	
2,2-Dichloropropane	ug/L	0.50U	20	21.2	106	24-133	
2-Butanone (MEK)	ug/L	5.0U	40	34.1	85	48-138	
2-Hexanone	ug/L	5.0U	40	38.8	97	38-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	36.4	91	28-143	
Acetone	ug/L	10.0U	40	44.1	99	20-140	
Acetonitrile	ug/L	5.0U	200	179	89	44-138	
Acrolein	ug/L	10.0U	200	191	96	20-159	
Acrylonitrile	ug/L	5.0U	200	179	90	46-130	
Allyl chloride	ug/L	0.50U	20	20.1	101	53-148	
Benzene	ug/L	0.10U	20	20.4	102	53-132	
Bromochloromethane	ug/L	0.50U	20	21.4	107	54-132	
Bromodichloromethane	ug/L	0.27U	20	19.5	97	46-130	
Bromoform	ug/L	0.50U	20	18.6	93	32-130	
Bromomethane	ug/L	0.50U	20	14.9	74	20-152	
Carbon disulfide	ug/L	5.0U	20	21.0	103	28-184	
Carbon tetrachloride	ug/L	0.50U	20	21.7	108	37-137	
Chlorobenzene	ug/L	0.50U	20	20.9	105	46-130	
Chloroethane	ug/L	0.50U	20	22.4	112	48-159	
Chloroform	ug/L	0.50U	20	19.5	97	51-130	
Chloromethane	ug/L	0.62U	20	20.7	104	39-144	
Chloroprene	ug/L	0.50U	20	19.6	98	39-157	
cis-1,2-Dichloroethene	ug/L	0.50U	20	20.0	100	54-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	19.6	98	45-130	
Dibromochloromethane	ug/L	0.26U	20	19.5	97	43-130	
Dibromomethane	ug/L	0.50U	20	20.0	100	50-130	
Dichlorodifluoromethane	ug/L	0.50U	20	24.0	120	38-151	
Ethyl methacrylate	ug/L	0.50U	20	19.3	96	45-132	
Ethylbenzene	ug/L	0.50U	20	20.4	102	43-130	
Hexachloro-1,3-butadiene	ug/L	0.40U	20	20.8	104	35-136	
Iodomethane	ug/L	0.50U	40	31.9	80	20-169	
Isobutyl Alcohol	ug/L	10.0U	400	378	95	20-175	
Methacrylonitrile	ug/L	5.0U	200	185	93	50-149	
Methyl methacrylate	ug/L	5.0U	20	20.3	102	48-130	
Methylene Chloride	ug/L	2.5U	20	19.6	98	51-135	
Propionitrile	ug/L	5.0U	200	195	97	54-130	
Styrene	ug/L	0.50U	20	20.2	101	40-130	
Tetrachloroethene	ug/L	0.50U	20	17.7	89	26-130	
Toluene	ug/L	0.50U	20	21.5	108	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	19.6	98	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	19.0	95	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	15.6	78	20-139	

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

MATRIX SPIKE SAMPLE: 902099

Parameter	Units	35136197001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/L	0.50U	20	20.0	100	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	22.0	110	46-146	
Vinyl acetate	ug/L	1.0U	20	16.4	82	20-165	
Vinyl chloride	ug/L	0.50U	20	19.6	98	57-142	
Xylene (Total)	ug/L	0.50U	60	61.2	102	42-130	
1,2-Dichloroethane-d4 (S)	%				86	86-125	
4-Bromofluorobenzene (S)	%				108	70-114	
Toluene-d8 (S)	%				99	87-113	

SAMPLE DUPLICATE: 902100

Parameter	Units	35136212001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,1-Dichloropropene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.59U	0.59U		40	
1,2,4-Trichlorobenzene	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane	ug/L	0.50U	0.50U		40	
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,3-Dichloropropane	ug/L	0.50U	0.50U		40	
2,2-Dichloropropane	ug/L	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	10.0U	10.0U		40	
Acetonitrile	ug/L	5.0U	5.0U		40	
Acrolein	ug/L	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Allyl chloride	ug/L	0.50U	0.50U		40	
Benzene	ug/L	0.10U	0.10U		40	
Bromochloromethane	ug/L	0.50U	0.50U		40	
Bromodichloromethane	ug/L	0.27U	0.27U		40	
Bromoform	ug/L	0.50U	0.50U		40	
Bromomethane	ug/L	0.50U	0.50U		40	
Carbon disulfide	ug/L	5.0U	5.0U		40	
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	0.50U	0.50U		40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	
Chloromethane	ug/L	0.62U	0.62U		40	
Chloroprene	ug/L	0.50U	0.50U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

SAMPLE DUPLICATE: 902100

Parameter	Units	35136212001 Result	Dup Result	RPD	Max RPD	Qualifiers
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Dichlorodifluoromethane	ug/L	0.50U	0.50U		40	
Ethyl methacrylate	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Hexachloro-1,3-butadiene	ug/L	0.40U	0.40U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Isobutyl Alcohol	ug/L	10.0U	10.0U		40	
Methacrylonitrile	ug/L	5.0U	5.0U		40	
Methyl methacrylate	ug/L	5.0U	5.0U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Propionitrile	ug/L	5.0U	5.0U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.50U	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane-d4 (S)	%	98	96	2		
4-Bromofluorobenzene (S)	%	104	107	3		
Toluene-d8 (S)	%	103	99	4		

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

QC Batch: OEXT/17221 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35136202001

METHOD BLANK: 897073 Matrix: Water
Associated Lab Samples: 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	05/09/14 19:31	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	05/09/14 19:31	

LABORATORY CONTROL SAMPLE: 897074

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.29	116	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.29	117	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 897483 897484

Parameter	Units	35136283001 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	0.0053 U	.44	.44	0.0086U	0.0086U	0	0	60-140		40	J(M1)
1,2-Dibromoethane (EDB)	ug/L	0.0067 U	.44	.44	0.011U	0.011U	0	0	60-140		40	J(M1)

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

QC Batch: OEXT/17180
QC Batch Method: EPA 3510
Analysis Method: EPA 8081
Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 35136202001

METHOD BLANK: 894665
Matrix: Water
Associated Lab Samples: 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	0.0019U	0.010	05/07/14 13:03	
4,4'-DDE	ug/L	0.00090U	0.010	05/07/14 13:03	
4,4'-DDT	ug/L	0.0036U	0.010	05/07/14 13:03	
Aldrin	ug/L	0.00050U	0.010	05/07/14 13:03	
alpha-BHC	ug/L	0.00030U	0.010	05/07/14 13:03	
beta-BHC	ug/L	0.00050U	0.010	05/07/14 13:03	
Chlordane (Technical)	ug/L	0.080U	0.50	05/07/14 13:03	
Chlorobenzilate	ug/L	0.021U	0.10	05/07/14 13:03	
delta-BHC	ug/L	0.00040U	0.010	05/07/14 13:03	
Dieldrin	ug/L	0.00050U	0.010	05/07/14 13:03	
Endosulfan I	ug/L	0.00070U	0.010	05/07/14 13:03	
Endosulfan II	ug/L	0.00070U	0.010	05/07/14 13:03	
Endosulfan sulfate	ug/L	0.00060U	0.10	05/07/14 13:03	
Endrin	ug/L	0.0017U	0.010	05/07/14 13:03	
Endrin aldehyde	ug/L	0.0071U	0.10	05/07/14 13:03	
gamma-BHC (Lindane)	ug/L	0.00020U	0.010	05/07/14 13:03	
Heptachlor	ug/L	0.0015U	0.010	05/07/14 13:03	
Heptachlor epoxide	ug/L	0.00040U	0.010	05/07/14 13:03	
Methoxychlor	ug/L	0.0070U	0.010	05/07/14 13:03	
Pentachloronitrobenzene	ug/L	0.015U	0.10	05/07/14 13:03	
Toxaphene	ug/L	0.28U	0.50	05/07/14 13:03	
Decachlorobiphenyl (S)	%	93	41.7-109.1	05/07/14 13:03	
Tetrachloro-m-xylene (S)	%	76	66.5-120.3	05/07/14 13:03	

LABORATORY CONTROL SAMPLE: 894666

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.5	0.57	115	65-133	
4,4'-DDE	ug/L	.5	0.47	93	63-138	
4,4'-DDT	ug/L	.5	0.54	107	44-154	
Aldrin	ug/L	.5	0.27	54	50-130	
alpha-BHC	ug/L	.5	0.43	86	44-130	
beta-BHC	ug/L	.5	0.46	92	65-130	
delta-BHC	ug/L	.5	0.45	90	10-140	
Dieldrin	ug/L	.5	0.49	98	63-130	
Endosulfan I	ug/L	.5	0.46	92	65-130	
Endosulfan II	ug/L	.5	0.50	100	67-131	
Endosulfan sulfate	ug/L	.5	0.51	102	43-134	
Endrin	ug/L	.5	0.51	102	62-133	
Endrin aldehyde	ug/L	.5	0.48	96	59-135	
gamma-BHC (Lindane)	ug/L	.5	0.45	90	51-130	

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

LABORATORY CONTROL SAMPLE: 894666

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Heptachlor	ug/L	.5	0.42	83	55-130	
Heptachlor epoxide	ug/L	.5	0.47	94	65-130	
Methoxychlor	ug/L	.5	0.57	114	47-156	
Decachlorobiphenyl (S)	%			91	41.7-109.1	
Tetrachloro-m-xylene (S)	%			63	66.5-120.3	P2,S7

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 894849 894850

Parameter	Units	35136197001 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	0.0020 U	1	1	1.1	1.1	114	112	65-133	2	40	
4,4'-DDE	ug/L	0.00094 U	1	1	1.0	1.0	103	102	63-138	1	40	
4,4'-DDT	ug/L	0.0038 U	1	1	1.2	1.2	123	123	44-154	.04	40	
Aldrin	ug/L	0.00052 U	1	1	0.80	0.81	80	81	50-130	.4	40	
alpha-BHC	ug/L	0.00031 U	1	1	1.0	1.0	103	100	44-130	3	40	
beta-BHC	ug/L	0.011	1	1	1.0	0.98	99	97	65-130	2	40	
delta-BHC	ug/L	0.00042 U	1	1	0.99	0.99	99	99	10-140	.07	40	
Dieldrin	ug/L	0.00052 U	1	1	1.1	1.1	106	105	63-130	.1	40	
Endosulfan I	ug/L	0.00073 U	1	1	1.0	0.99	100	99	65-130	.9	40	
Endosulfan II	ug/L	0.00073 U	1	1	1.1	1.1	107	108	67-131	.7	40	
Endosulfan sulfate	ug/L	0.00063 U	1	1	1.1	1.1	111	112	43-134	1	40	
Endrin	ug/L	0.0018 U	1	1	1.1	1.1	110	111	62-133	.9	40	
Endrin aldehyde	ug/L	0.0074 U	1	1	1.0	1.0	103	103	59-135	.6	40	
gamma-BHC (Lindane)	ug/L	0.00021 U	1	1	1.0	1.0	104	102	51-130	2	40	
Heptachlor	ug/L	0.0016 U	1	1	1.0	0.97	102	97	55-130	5	40	
Heptachlor epoxide	ug/L	0.00042 U	1	1	1.0	1.0	102	101	65-130	1	40	
Methoxychlor	ug/L	0.0073 U	1	1	1.3	1.3	126	128	47-156	2	40	
Decachlorobiphenyl (S)	%						80	82	41.7-109			
Tetrachloro-m-xylene (S)	%						77	71	66.5-120			

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

QC Batch: OEXT/17181
QC Batch Method: EPA 3510
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB
Associated Lab Samples: 35136202001

METHOD BLANK: 894667 Matrix: Water
Associated Lab Samples: 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	0.080U	0.50	05/07/14 10:25	
PCB-1221 (Aroclor 1221)	ug/L	0.081U	0.50	05/07/14 10:25	
PCB-1232 (Aroclor 1232)	ug/L	0.12U	0.50	05/07/14 10:25	
PCB-1242 (Aroclor 1242)	ug/L	0.13U	0.50	05/07/14 10:25	
PCB-1248 (Aroclor 1248)	ug/L	0.28U	0.50	05/07/14 10:25	
PCB-1254 (Aroclor 1254)	ug/L	0.14U	0.50	05/07/14 10:25	
PCB-1260 (Aroclor 1260)	ug/L	0.11U	0.50	05/07/14 10:25	
Decachlorobiphenyl (S)	%	94	63-121	05/07/14 10:25	
Tetrachloro-m-xylene (S)	%	73	48-111	05/07/14 10:25	

LABORATORY CONTROL SAMPLE: 894668

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	2.5	2.1	83	50-114	
PCB-1260 (Aroclor 1260)	ug/L	2.5	2.2	89	10-127	
Decachlorobiphenyl (S)	%			86	63-121	
Tetrachloro-m-xylene (S)	%			67	48-111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 894853 894854

Parameter	Units	35136386001 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	0.081U	5	5	4.0	4.4	81	88	50-114	8	40	
PCB-1260 (Aroclor 1260)	ug/L	0.11U	5	5	3.9	4.0	77	79	10-127	3	40	
Decachlorobiphenyl (S)	%						53	53	63-121			P2,S7
Tetrachloro-m-xylene (S)	%						64	71	48-111			

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

QC Batch: OEXT/17215
QC Batch Method: EPA 3510
Analysis Method: EPA 8141
Analysis Description: 8141 GCS, O/P Pesticides
Associated Lab Samples: 35136202001

METHOD BLANK: 896820 Matrix: Water
Associated Lab Samples: 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dimethoate	ug/L	0.24U	0.50	05/08/14 14:49	
Disulfoton	ug/L	0.26U	0.50	05/08/14 14:49	
Famphur	ug/L	0.29U	0.50	05/08/14 14:49	
Methyl parathion	ug/L	0.27U	0.50	05/08/14 14:49	
Parathion (Ethyl parathion)	ug/L	0.47U	1.0	05/08/14 14:49	
Phorate	ug/L	0.42U	1.0	05/08/14 14:49	
4-Chloro3nitrobenzotrifluoride	%	59	34.2-122	05/08/14 14:49	

LABORATORY CONTROL SAMPLE: 896821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dimethoate	ug/L	2	1.6	81	59.8-116.4	
Disulfoton	ug/L	2	2.2	110	66.9-116.2	
Famphur	ug/L	2	2.3	116	56.3-133	
Methyl parathion	ug/L	2	2.6	130	67.3-119.6	
Parathion (Ethyl parathion)	ug/L	4	5.2	131	70-130	
Phorate	ug/L	4	4.7	117	58-119.3	
4-Chloro3nitrobenzotrifluoride	%			88	34.2-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 896893 896894

Parameter	Units	35136685001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dimethoate	ug/L	0.24U	4	4	3.1	2.7	77	69	59.8-116	11	40	
Disulfoton	ug/L	0.25U	4	4	3.5	3.1	88	78	66.9-116	13	40	
Famphur	ug/L	0.29U	4	4	3.5	3.2	89	79	56.3-133	11	40	
Methyl parathion	ug/L	0.26U	4	4	4.0	3.6	101	90	67.3-119	11	40	
Parathion (Ethyl parathion)	ug/L	0.47U	8	8	7.4	6.9	92	87	70-130	6	40	
Phorate	ug/L	0.41U	8	8	7.2	6.3	90	79	58-119.3	13	40	
4-Chloro3nitrobenzotrifluoride	%						67	78	34.2-122			

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

QC Batch: OEXT/17207
QC Batch Method: EPA 8151
Analysis Method: EPA 8151
Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 35136202001

METHOD BLANK: 896160
Matrix: Water
Associated Lab Samples: 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/L	0.042U	0.19	05/09/14 01:39	
2,4,5-TP (Silvex)	ug/L	0.049U	0.19	05/09/14 01:39	
2,4-D	ug/L	0.22U	0.94	05/09/14 01:39	
Dinoseb	ug/L	0.057U	0.19	05/09/14 01:39	
Pentachlorophenol	ug/L	0.017U	0.028	05/09/14 01:39	
2,4-DCAA (S)	%	82	65.5-125.7	05/09/14 01:39	

LABORATORY CONTROL SAMPLE & LCSD: 896161 896736

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,4,5-T	ug/L	1.2	1.2	1.2	99	100	66.7-116.	.5	40	
2,4,5-TP (Silvex)	ug/L	1.2	1.2	1.2	101	99	65.6-127.	2	40	
2,4-D	ug/L	6	5.4	5.5	91	91	62-135.6	.2	40	
Dinoseb	ug/L	1.2	0.90	0.96	75	80	44-111.8	7	40	
Pentachlorophenol	ug/L	.18	0.22	0.21	122	117	55.5-114	4	40	
2,4-DCAA (S)	%				94	88	65.5-125.			

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

QC Batch: OEXT/17204
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Water PAHLV by SIM MSSV
Associated Lab Samples: 35136202001

METHOD BLANK: 896001
Matrix: Water
Associated Lab Samples: 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	1.0U	2.0	05/08/14 08:29	
2-Methylnaphthalene	ug/L	1.0U	2.0	05/08/14 08:29	
Acenaphthene	ug/L	0.025U	0.10	05/08/14 08:29	
Acenaphthylene	ug/L	0.025U	0.10	05/08/14 08:29	
Anthracene	ug/L	0.025U	0.10	05/08/14 08:29	
Benzo(a)anthracene	ug/L	0.025U	0.10	05/08/14 08:29	
Benzo(a)pyrene	ug/L	0.025U	0.10	05/08/14 08:29	
Benzo(b)fluoranthene	ug/L	0.025U	0.10	05/08/14 08:29	
Benzo(g,h,i)perylene	ug/L	0.025U	0.10	05/08/14 08:29	
Benzo(k)fluoranthene	ug/L	0.025U	0.10	05/08/14 08:29	
Chrysene	ug/L	0.025U	0.10	05/08/14 08:29	
Dibenz(a,h)anthracene	ug/L	0.025U	0.10	05/08/14 08:29	
Fluoranthene	ug/L	0.025U	0.10	05/08/14 08:29	
Fluorene	ug/L	0.025U	0.10	05/08/14 08:29	
Indeno(1,2,3-cd)pyrene	ug/L	0.025U	0.10	05/08/14 08:29	
Naphthalene	ug/L	1.0U	2.0	05/08/14 08:29	
Phenanthrene	ug/L	0.025U	0.10	05/08/14 08:29	
Pyrene	ug/L	0.025U	0.10	05/08/14 08:29	
2-Fluorobiphenyl (S)	%	68	18-110	05/08/14 08:29	
Terphenyl-d14 (S)	%	116	18-123	05/08/14 08:29	

LABORATORY CONTROL SAMPLE: 896002

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	5	3.4	68	21-133	
2-Methylnaphthalene	ug/L	5	3.4	69	21-133	
Acenaphthene	ug/L	5	3.4	68	47-145	
Acenaphthylene	ug/L	5	3.2	64	33-145	
Anthracene	ug/L	5	3.9	77	27-133	
Benzo(a)anthracene	ug/L	5	4.7	93	33-143	
Benzo(a)pyrene	ug/L	5	4.2	84	17-163	
Benzo(b)fluoranthene	ug/L	5	4.5	89	24-159	
Benzo(g,h,i)perylene	ug/L	5	4.6	91	10-219	
Benzo(k)fluoranthene	ug/L	5	5.1	102	11-162	
Chrysene	ug/L	5	5.5	109	17-168	
Dibenz(a,h)anthracene	ug/L	5	4.4	88	10-227	
Fluoranthene	ug/L	5	5.2	103	26-137	
Fluorene	ug/L	5	4.0	81	59-130	
Indeno(1,2,3-cd)pyrene	ug/L	5	4.7	95	10-171	
Naphthalene	ug/L	5	3.0	60	21-133	
Phenanthrene	ug/L	5	4.2	83	54-130	

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

LABORATORY CONTROL SAMPLE: 896002

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/L	5	5.2	104	52-130	
2-Fluorobiphenyl (S)	%			74	18-110	
Terphenyl-d14 (S)	%			110	18-123	

MATRIX SPIKE SAMPLE: 896097

Parameter	Units	35136345002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	1.0U	5	3.4	64	21-133	
2-Methylnaphthalene	ug/L	1.0U	5	3.5	66	21-133	
Acenaphthene	ug/L	0.025U	5	3.2	64	47-145	
Acenaphthylene	ug/L	0.025U	5	3.2	65	33-145	
Anthracene	ug/L	0.025U	5	3.9	78	27-133	
Benzo(a)anthracene	ug/L	0.025U	5	4.7	94	33-143	
Benzo(a)pyrene	ug/L	0.033 I	5	4.5	90	17-163	
Benzo(b)fluoranthene	ug/L	0.033 I	5	4.5	89	24-159	
Benzo(g,h,i)perylene	ug/L	0.025U	5	4.8	96	10-219	
Benzo(k)fluoranthene	ug/L	0.025U	5	5.2	104	11-162	
Chrysene	ug/L	0.032 I	5	5.9	117	17-168	
Dibenz(a,h)anthracene	ug/L	0.025U	5	5.0	101	10-227	
Fluoranthene	ug/L	0.025U	5	5.0	100	26-137	
Fluorene	ug/L	0.025U	5	3.9	78	59-130	
Indeno(1,2,3-cd)pyrene	ug/L	0.025U	5	5.1	102	10-171	
Naphthalene	ug/L	1.0U	5	3.2	56	21-133	
Phenanthrene	ug/L	0.025U	5	4.0	79	54-130	
Pyrene	ug/L	0.025U	5	5.1	103	52-130	
2-Fluorobiphenyl (S)	%				71	18-110	
Terphenyl-d14 (S)	%				107	18-123	

SAMPLE DUPLICATE: 896098

Parameter	Units	35136345003 Result	Dup Result	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	1.0U	1.0U		40	
2-Methylnaphthalene	ug/L	1.0U	1.0U		40	
Acenaphthene	ug/L	0.025U	0.025U		40	
Acenaphthylene	ug/L	0.025U	0.025U		40	
Anthracene	ug/L	0.025U	0.025U		40	
Benzo(a)anthracene	ug/L	0.025U	0.025U		40	
Benzo(a)pyrene	ug/L	0.025U	0.072 I		40	
Benzo(b)fluoranthene	ug/L	0.025U	0.042 I		40	
Benzo(g,h,i)perylene	ug/L	0.025U	0.025U		40	
Benzo(k)fluoranthene	ug/L	0.025U	0.045 I		40	
Chrysene	ug/L	0.025U	0.044 I		40	
Dibenz(a,h)anthracene	ug/L	0.025U	0.025U		40	
Fluoranthene	ug/L	0.025U	0.025U		40	
Fluorene	ug/L	0.025U	0.025U		40	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

SAMPLE DUPLICATE: 896098

Parameter	Units	35136345003 Result	Dup Result	RPD	Max RPD	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/L	0.025U	0.025U		40	
Naphthalene	ug/L	1.0U	1.0U		40	
Phenanthrene	ug/L	0.025U	0.025U		40	
Pyrene	ug/L	0.025U	0.025U		40	
2-Fluorobiphenyl (S)	%	61	61	.3		
Terphenyl-d14 (S)	%	105	90	15		

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

QC Batch: OEXT/27462
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 Water MSSV
Associated Lab Samples: 35136202001

METHOD BLANK: 1192154
Matrix: Water
Associated Lab Samples: 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	1.3U	10.0	05/13/14 12:16	
1,2-Dichlorobenzene	ug/L	0.71U	10.0	05/12/14 12:24	
1,3,5-Trinitrobenzene	ug/L	0.83U	10.0	05/13/14 12:16	
1,3-Dichlorobenzene	ug/L	0.78U	10.0	05/12/14 12:24	
1,3-Dinitrobenzene	ug/L	0.81U	20.0	05/13/14 12:16	
1,4-Dichlorobenzene	ug/L	0.81U	10.0	05/12/14 12:24	
1,4-Naphthoquinone	ug/L	0.84U	5.0	05/13/14 12:16	
1-Naphthalenamine	ug/L	0.54U	5.0	05/13/14 12:16	
2,3,4,6-Tetrachlorophenol	ug/L	1.6U	10.0	05/12/14 12:24	
2,4,5-Trichlorophenol	ug/L	1.0U	10.0	05/12/14 12:24	
2,4,6-Trichlorophenol	ug/L	0.85U	10.0	05/12/14 12:24	
2,4-Dichlorophenol	ug/L	0.85U	10.0	05/12/14 12:24	
2,4-Dimethylphenol	ug/L	0.96U	10.0	05/12/14 12:24	
2,4-Dinitrophenol	ug/L	2.5U	50.0	05/12/14 12:24	
2,4-Dinitrotoluene	ug/L	0.92U	10.0	05/12/14 12:24	
2,6-Dichlorophenol	ug/L	1.7U	10.0	05/13/14 12:16	
2,6-Dinitrotoluene	ug/L	2.1U	10.0	05/12/14 12:24	
2-Acetylaminofluorene	ug/L	0.31U	20.0	05/13/14 12:16	
2-Chloronaphthalene	ug/L	1.0U	10.0	05/12/14 12:24	
2-Chlorophenol	ug/L	1.0U	10.0	05/12/14 12:24	
2-Methylnaphthalene	ug/L	1.0U	10.0	05/12/14 12:24	
2-Methylphenol(o-Cresol)	ug/L	1.0U	10.0	05/12/14 12:24	
2-Naphthalenamine	ug/L	0.87U	5.0	05/13/14 12:16	
2-Nitroaniline	ug/L	1.5U	50.0	05/12/14 12:24	
2-Nitrophenol	ug/L	0.71U	10.0	05/12/14 12:24	
3&4-Methylphenol(m&p Cresol)	ug/L	1.0U	10.0	05/12/14 12:24	
3,3'-Dichlorobenzidine	ug/L	0.69U	20.0	05/12/14 12:24	
3,3'-Dimethylbenzidine	ug/L	0.74U	10.0	05/13/14 12:16	
3-Methylcholanthrene	ug/L	0.37U	10.0	05/13/14 12:16	
3-Nitroaniline	ug/L	1.3U	50.0	05/12/14 12:24	
4,6-Dinitro-2-methylphenol	ug/L	1.1U	20.0	05/12/14 12:24	
4-Aminobiphenyl	ug/L	0.32U	10.0	05/13/14 12:16	
4-Bromophenylphenyl ether	ug/L	1.0U	10.0	05/12/14 12:24	
4-Chloro-3-methylphenol	ug/L	2.0U	20.0	05/12/14 12:24	
4-Chloroaniline	ug/L	1.6U	20.0	05/12/14 12:24	
4-Chlorophenylphenyl ether	ug/L	1.1U	10.0	05/12/14 12:24	
4-Nitroaniline	ug/L	1.6U	20.0	05/12/14 12:24	
4-Nitrophenol	ug/L	3.9U	50.0	05/12/14 12:24	
5-Nitro-o-toluidine	ug/L	1.0U	10.0	05/13/14 12:16	
7,12-Dimethylbenz(a)anthracene	ug/L	0.51U	10.0	05/13/14 12:16	
a,a-Dimethylphenylethylamine	ug/L	1.5U	50.0	05/13/14 12:16	
Acenaphthene	ug/L	1.1U	10.0	05/12/14 12:24	
Acenaphthylene	ug/L	0.99U	10.0	05/12/14 12:24	

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

METHOD BLANK: 1192154 Matrix: Water
Associated Lab Samples: 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acetophenone	ug/L	0.83U	10.0	05/12/14 12:24	
Anthracene	ug/L	0.47U	10.0	05/12/14 12:24	
Benzo(a)anthracene	ug/L	0.47U	10.0	05/12/14 12:24	
Benzo(a)pyrene	ug/L	0.57U	10.0	05/12/14 12:24	
Benzo(b)fluoranthene	ug/L	0.44U	10.0	05/12/14 12:24	
Benzo(g,h,i)perylene	ug/L	0.45U	10.0	05/12/14 12:24	
Benzo(k)fluoranthene	ug/L	0.53U	10.0	05/12/14 12:24	
Benzyl alcohol	ug/L	2.1U	20.0	05/12/14 12:24	
bis(2-Chloroethoxy)methane	ug/L	1.3U	10.0	05/12/14 12:24	
bis(2-Chloroethyl) ether	ug/L	0.89U	10.0	05/12/14 12:24	
bis(2-Chloroisopropyl) ether	ug/L	0.86U	10.0	05/12/14 12:24	
bis(2-Ethylhexyl)phthalate	ug/L	0.49U	6.0	05/12/14 12:24	
Butylbenzylphthalate	ug/L	0.48U	10.0	05/12/14 12:24	
Chrysene	ug/L	0.49U	10.0	05/12/14 12:24	
Di-n-butylphthalate	ug/L	0.37U	10.0	05/12/14 12:24	
Di-n-octylphthalate	ug/L	0.12U	10.0	05/12/14 12:24	
Diallate	ug/L	0.96U	10.0	05/13/14 12:16	
Dibenz(a,h)anthracene	ug/L	0.49U	10.0	05/12/14 12:24	
Dibenzofuran	ug/L	1.0U	10.0	05/12/14 12:24	
Diethylphthalate	ug/L	0.91U	10.0	05/12/14 12:24	
Dimethylphthalate	ug/L	0.62U	10.0	05/12/14 12:24	
Ethyl methanesulfonate	ug/L	1.3U	20.0	05/13/14 12:16	
Fluoranthene	ug/L	0.41U	10.0	05/12/14 12:24	
Fluorene	ug/L	1.0U	10.0	05/12/14 12:24	
Hexachlorobenzene	ug/L	0.76U	10.0	05/12/14 12:24	
Hexachlorocyclopentadiene	ug/L	1.1U	10.0	05/12/14 12:24	
Hexachloroethane	ug/L	0.90U	10.0	05/12/14 12:24	
Hexachlorophene	ug/L	1.9U	100	05/13/14 12:16	
Hexachloropropene	ug/L	1.4U	10.0	05/13/14 12:16	
Indeno(1,2,3-cd)pyrene	ug/L	0.53U	10.0	05/12/14 12:24	
Isodrin	ug/L	0.75U	20.0	05/13/14 12:16	
Isophorone	ug/L	0.92U	10.0	05/12/14 12:24	
Isosafrole	ug/L	1.2U	10.0	05/13/14 12:16	
Kepone	ug/L	1.6U	10.0	05/13/14 12:16	
Methapyrilene	ug/L	1.3U	50.0	05/13/14 12:16	
Methyl methanesulfonate	ug/L	1.2U	5.0	05/13/14 12:16	
N-Nitroso-di-n-butylamine	ug/L	1.3U	10.0	05/13/14 12:16	
N-Nitroso-di-n-propylamine	ug/L	0.85U	10.0	05/12/14 12:24	
N-Nitrosodiethylamine	ug/L	0.91U	20.0	05/13/14 12:16	
N-Nitrosodimethylamine	ug/L	0.94U	10.0	05/12/14 12:24	
N-Nitrosodiphenylamine	ug/L	0.64U	10.0	05/12/14 12:24	
N-Nitrosomethylethylamine	ug/L	0.61U	10.0	05/13/14 12:16	
N-Nitrosopiperidine	ug/L	1.2U	20.0	05/13/14 12:16	
N-Nitrosopyrrolidine	ug/L	1.1U	10.0	05/13/14 12:16	
Naphthalene	ug/L	0.93U	10.0	05/12/14 12:24	
Nitrobenzene	ug/L	1.0U	10.0	05/12/14 12:24	
O,O,O-Triethylphosphorothioate	ug/L	1.4U	10.0	05/13/14 12:16	

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

METHOD BLANK: 1192154 Matrix: Water
Associated Lab Samples: 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
O-Toluidine	ug/L	0.72U	10.0	05/13/14 12:16	
P-Dimethylaminoazobenzene	ug/L	0.23U	5.0	05/13/14 12:16	
p-Phenylenediamine	ug/L	0.96U	10.0	05/13/14 12:16	
Pentachlorobenzene	ug/L	1.5U	10.0	05/13/14 12:16	
Phenacetin	ug/L	0.54U	20.0	05/13/14 12:16	
Phenanthrene	ug/L	0.53U	10.0	05/12/14 12:24	
Phenol	ug/L	1.1U	10.0	05/12/14 12:24	
Pronamide	ug/L	0.58U	10.0	05/13/14 12:16	
Pyrene	ug/L	0.49U	10.0	05/12/14 12:24	
Safrole	ug/L	1.4U	10.0	05/13/14 12:16	
Thionazin	ug/L	0.86U	20.0	05/13/14 12:16	
2,4,6-Tribromophenol (S)	%	72	27-110	05/12/14 12:24	
2-Fluorobiphenyl (S)	%	79	27-110	05/12/14 12:24	
2-Fluorophenol (S)	%	40	12-110	05/12/14 12:24	
Nitrobenzene-d5 (S)	%	70	21-110	05/12/14 12:24	
Phenol-d6 (S)	%	31	10-110	05/12/14 12:24	
Terphenyl-d14 (S)	%	85	31-107	05/12/14 12:24	

LABORATORY CONTROL SAMPLE & LCSD: 1192155 1192156

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	50	40.5	34.7	81	69	17-115	15	30	
1,2-Dichlorobenzene	ug/L	50	38.3	34.4	77	69	10-110	11	30	
1,3,5-Trinitrobenzene	ug/L	50	44.3	42.0	89	84	17-115	5	30	
1,3-Dichlorobenzene	ug/L	50	35.8	32.5	72	65	10-110	10	30	
1,3-Dinitrobenzene	ug/L	50	44.9	44.5	90	89	17-115	1	30	
1,4-Dichlorobenzene	ug/L	50	38.1	34.1	76	68	10-110	11	30	
1,4-Naphthoquinone	ug/L	50	32.5	32.4	65	65	17-115	0	30	
1-Naphthalenamine	ug/L	50	28.9	26.7	58	53	17-115	8	30	
2,3,4,6-Tetrachlorophenol	ug/L	50	85.9	85.0	172	170	17-115	1	30	L3
2,4,5-Trichlorophenol	ug/L	50	42.8	41.6	86	83	23-116	3	30	
2,4,6-Trichlorophenol	ug/L	50	41.4	39.2	83	78	21-114	5	30	
2,4-Dichlorophenol	ug/L	50	36.0	33.6	72	67	22-120	7	30	
2,4-Dimethylphenol	ug/L	50	35.4	31.5	71	63	15-109	12	30	
2,4-Dinitrophenol	ug/L	250	200	212	80	85	10-103	5	30	
2,4-Dinitrotoluene	ug/L	50	44.1	44.1	88	88	24-119	0	30	
2,6-Dichlorophenol	ug/L	50	40.7	38.2	81	76	17-115	6	30	
2,6-Dinitrotoluene	ug/L	50	45.9	45.1	92	90	25-116	2	30	
2-Acetylaminofluorene	ug/L	50	52.2	49.8	104	100	17-115	5	30	
2-Chloronaphthalene	ug/L	50	48.1	43.7	96	87	18-110	9	30	
2-Chlorophenol	ug/L	50	42.0	36.7	84	73	10-104	14	30	
2-Methylnaphthalene	ug/L	50	34.6	32.0	69	64	16-110	8	30	
2-Methylphenol(o-Cresol)	ug/L	50	42.5	35.9	85	72	13-110	17	30	
2-Naphthalenamine	ug/L	50	33.9	29.4	68	59	17-115	14	30	
2-Nitroaniline	ug/L	100	92.9	89.8	93	90	20-117	3	30	

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

LABORATORY CONTROL SAMPLE & LCSD: 1192155 1192156

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2-Nitrophenol	ug/L	50	32.5	30.0	65	60	16-108	8	30	
3&4-Methylphenol(m&p Cresol)	ug/L	50	39.2	33.4	78	67	14-110	16	30	
3,3'-Dichlorobenzidine	ug/L	250	83.8	77.9	34	31	13-131	7	30	
3,3'-Dimethylbenzidine	ug/L	100	70.4	42.2	70	42	17-115	50	30	J(R1)
3-Methylcholanthrene	ug/L	50	53.3	50.1	107	100	17-115	6	30	
3-Nitroaniline	ug/L	100	87.4	86.7	87	87	15-117	1	30	
4,6-Dinitro-2-methylphenol	ug/L	100	94.7	95.0	95	95	13-119	0	30	
4-Aminobiphenyl	ug/L	50	28.5	25.2	57	50	17-115	12	30	
4-Bromophenylphenyl ether	ug/L	50	44.6	39.9	89	80	23-120	11	30	
4-Chloro-3-methylphenol	ug/L	100	70.6	70.8	71	71	21-119	0	30	
4-Chloroaniline	ug/L	100	72.4	66.1	72	66	10-122	9	30	
4-Chlorophenylphenyl ether	ug/L	50	43.0	40.5	86	81	22-112	6	30	
4-Nitroaniline	ug/L	100	87.8	91.7	88	92	14-118	4	30	
4-Nitrophenol	ug/L	250	93.0	98.8	37	40	10-110	6	30	
5-Nitro-o-toluidine	ug/L	50	45.7	46.2	91	92	17-115	1	30	
7,12-Dimethylbenz(a)anthracene	ug/L	50	35.2	33.3	70	67	50-150	6	30	
a,a-Dimethylphenylethylamine	ug/L	50	33.6 I	38.6 I	67	77	17-115		30	
Acenaphthene	ug/L	50	42.3	39.2	85	78	20-105	8	30	
Acenaphthylene	ug/L	50	43.2	40.2	86	80	23-106	7	30	
Acetophenone	ug/L	50	51.5	44.4	103	89	17-115	15	30	
Anthracene	ug/L	50	45.0	43.3	90	87	25-120	4	30	
Benzo(a)anthracene	ug/L	50	45.2	42.1	90	84	21-128	7	30	
Benzo(a)pyrene	ug/L	50	46.7	45.7	93	91	25-116	2	30	
Benzo(b)fluoranthene	ug/L	50	46.5	44.0	93	88	23-117	6	30	
Benzo(g,h,i)perylene	ug/L	50	43.7	40.1	87	80	17-128	9	30	
Benzo(k)fluoranthene	ug/L	50	45.9	45.8	92	92	25-127	0	30	
Benzyl alcohol	ug/L	100	89.9	76.0	90	76	10-101	17	30	
bis(2-Chloroethoxy)methane	ug/L	50	41.2	37.1	82	74	19-107	10	30	
bis(2-Chloroethyl) ether	ug/L	50	41.2	36.4	82	73	10-108	12	30	
bis(2-Chloroisopropyl) ether	ug/L	50	42.2	36.5	84	73	10-108	14	30	
bis(2-Ethylhexyl)phthalate	ug/L	50	45.8	43.2	92	86	16-123	6	30	
Butylbenzylphthalate	ug/L	50	45.6	42.9	91	86	20-118	6	30	
Chrysene	ug/L	50	46.6	43.8	93	88	24-125	6	30	
Di-n-butylphthalate	ug/L	50	42.5	44.0	85	88	23-115	4	30	
Di-n-octylphthalate	ug/L	50	40.4	39.8	81	80	20-115	2	30	
Diallate	ug/L	50	43.1	38.6	86	77	17-115	11	30	
Dibenz(a,h)anthracene	ug/L	50	45.0	41.6	90	83	18-131	8	30	
Dibenzofuran	ug/L	50	46.8	43.9	94	88	23-106	6	30	
Diethylphthalate	ug/L	50	39.9	39.3	80	79	24-115	2	30	
Dimethylphthalate	ug/L	50	41.2	39.6	82	79	22-113	4	30	
Ethyl methanesulfonate	ug/L	50	40.9	34.9	82	70	17-115	16	30	
Fluoranthene	ug/L	50	46.5	48.4	93	97	24-125	4	30	
Fluorene	ug/L	50	43.6	41.6	87	83	24-114	4	30	
Hexachlorobenzene	ug/L	50	46.0	42.5	92	85	22-127	8	30	
Hexachlorocyclopentadiene	ug/L	50	42.6	37.4	85	75	10-110	13	30	
Hexachloroethane	ug/L	50	40.8	37.1	82	74	10-110	9	30	
Hexachlorophene	ug/L	500	322	347	64	69	17-115	7	30	
Hexachloropropene	ug/L	50	38.5	34.2	77	68	17-115	12	30	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

LABORATORY CONTROL SAMPLE & LCSD: 1192155 1192156

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/L	50	45.6	42.5	91	85	18-130	7	30	
Isodrin	ug/L	50	42.5	42.2	85	84	17-115	1	30	
Isophorone	ug/L	50	35.4	32.9	71	66	23-114	7	30	
Isosafrole	ug/L	50	39.7	36.0	79	72	17-115	10	30	
Kepone	ug/L	100	1.6U	1.6U	0	0	17-115		30	J(L2)
Methapyrilene	ug/L	50	39.6 I	27.6 I	79	55	17-115		30	
Methyl methanesulfonate	ug/L	50	32.6	27.3	65	55	17-115	18	30	
N-Nitroso-di-n-butylamine	ug/L	50	38.5	36.9	77	74	17-115	4	30	
N-Nitroso-di-n-propylamine	ug/L	50	40.8	35.8	82	72	21-114	13	30	
N-Nitrosodiethylamine	ug/L	50	42.8	36.9	86	74	17-115	15	30	
N-Nitrosodimethylamine	ug/L	50	22.9	20.2	46	40	10-110	13	30	
N-Nitrosodiphenylamine	ug/L	50	38.3	34.4	77	69	24-123	11	30	
N-Nitrosomethylethylamine	ug/L	50	36.4	31.7	73	63	17-115	14	30	
N-Nitrosopiperidine	ug/L	50	37.3	34.5	75	69	17-115	8	30	
N-Nitrosopyrrolidine	ug/L	50	36.2	31.8	72	64	17-115	13	30	
Naphthalene	ug/L	50	33.2	30.2	66	60	14-110	9	30	
Nitrobenzene	ug/L	50	33.7	30.0	67	60	16-106	12	30	
O,O,O-Triethylphosphorothioate	ug/L	50	40.7	36.5	81	73	17-115	11	30	
O-Toluidine	ug/L	50	32.6	27.6	65	55	17-115	17	30	
P-Dimethylaminoazobenzene	ug/L	100	22.7	20.7	23	21	17-115	9	30	
p-Phenylenediamine	ug/L	50	49.0	56.4	98	113	17-115	14	30	
Pentachlorobenzene	ug/L	50	47.2	43.1	94	86	17-115	9	30	
Phenacetin	ug/L	50	47.6	48.7	95	97	17-115	2	30	
Phenanthrene	ug/L	50	44.6	42.9	89	86	25-119	4	30	
Phenol	ug/L	50	22.3	18.7	45	37	10-110	17	30	
Pronamide	ug/L	50	46.0	46.2	92	92	17-115	0	30	
Pyrene	ug/L	50	48.7	43.0	97	86	22-127	12	30	
Safrole	ug/L	50	43.8	39.3	88	79	17-115	11	30	
Thionazin	ug/L	50	42.0	42.1	84	84	17-115	0	30	
2,4,6-Tribromophenol (S)	%				92	87	27-110			
2-Fluorobiphenyl (S)	%				90	80	27-110			
2-Fluorophenol (S)	%				49	43	12-110			
Nitrobenzene-d5 (S)	%				64	57	21-110			
Phenol-d6 (S)	%				42	36	10-110			
Terphenyl-d14 (S)	%				96	86	31-107			

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

QC Batch: WET/24851
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35136202001

METHOD BLANK: 896995
Matrix: Water
Associated Lab Samples: 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	05/08/14 13:51	

LABORATORY CONTROL SAMPLE: 896996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	281	94	90-110	

SAMPLE DUPLICATE: 896997

Parameter	Units	35136282001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	85.0	87.0	2	20	

SAMPLE DUPLICATE: 896998

Parameter	Units	35136282002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	264	273	3	20	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

QC Batch: WET/24803
QC Batch Method: SM 4500-S2F
Analysis Method: SM 4500-S2F
Analysis Description: 4500S2F Sulfide
Associated Lab Samples: 35136202001

METHOD BLANK: 894563
Matrix: Water
Associated Lab Samples: 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	0.10U	0.10	05/06/14 15:09	

LABORATORY CONTROL SAMPLE & LCSD: 894564 894565

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	6	5.8	5.9	96	99	80-120	3	20	

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

QC Batch: WETA/35505 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35136202001

METHOD BLANK: 892920 Matrix: Water
Associated Lab Samples: 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	0.043U	0.050	05/02/14 18:18	

LABORATORY CONTROL SAMPLE: 892921

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	5.1	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 892922 892923

Parameter	Units	35136172001 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	0.090	5	5	5.1	5.1	101	100	90-110	.3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 892924 892925

Parameter	Units	35136231007 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	<0.043	5	5	5.2	5.1	104	103	90-110	.9	20	

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

QC Batch: WETA/35506 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35136202001

METHOD BLANK: 892931 Matrix: Water
Associated Lab Samples: 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5U	5.0	05/02/14 18:18	
Sulfate	mg/L	2.5U	5.0	05/02/14 18:18	

LABORATORY CONTROL SAMPLE: 892932

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.1	100	90-110	
Sulfate	mg/L	50	50.2	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 892933 892934

Parameter	Units	35136172001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.0 I	50	50	53.5	53.5	99	99	90-110	.07	20	
Sulfate	mg/L	7.1	50	50	57.4	57.5	101	101	90-110	.1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 892935 892936

Parameter	Units	35136231007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	69.4	50	50	129	129	120	120	90-110	.2	20	J(M1), L
Sulfate	mg/L	<2.5	50	50	52.6	52.2	102	101	90-110	.8	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

QC Batch: WETA/35867 Analysis Method: EPA 335.4
QC Batch Method: EPA 335.4 Analysis Description: 335.4 Cyanide, Total
Associated Lab Samples: 35136202001

METHOD BLANK: 903295 Matrix: Water
Associated Lab Samples: 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	0.0050U	0.010	05/15/14 19:01	

LABORATORY CONTROL SAMPLE: 903296

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.025	0.027	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 903297 903298

Parameter	Units	35136128001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.025	.025	0.028	0.027	108	106	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 903299 903300

Parameter	Units	35136768001 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	.025	.025	0.023	0.022	87	83	90-110	5	20	J(M1)

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Central County Eq Blank
Pace Project No.: 35136202

QC Batch: WETA/35861 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35136202001

METHOD BLANK: 903188 Matrix: Water
Associated Lab Samples: 35136202001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.050	05/15/14 11:09	

LABORATORY CONTROL SAMPLE: 903189

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.93	93	90-110	

MATRIX SPIKE SAMPLE: 903191

Parameter	Units	35136857002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.097	1	1.0	95	90-110	

SAMPLE DUPLICATE: 903190

Parameter	Units	35136857002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.097	0.10	7	20	

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: Central County Eq Blank
Pace Project No.: 35136202

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte
PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J(L2)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(R1)	Estimated Value. RPD value was outside control limits.
L	Off-scale high. Actual value is known to be greater than value given.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
P2	Re-extraction or re-analysis could not be performed due to insufficient sample amount.
S7	Surrogate recovery outside control limits (not confirmed by re-analysis).

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Central County Eq Blank
Pace Project No.: 35136202

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35136202001	**Eq Blank 05/01/14**	EPA 8011	OEXT/17221	EPA 8011	GCSV/11278
35136202001	**Eq Blank 05/01/14**	EPA 3510	OEXT/17180	EPA 8081	GCSV/11250
35136202001	**Eq Blank 05/01/14**	EPA 3510	OEXT/17181	EPA 8082	GCSV/11251
35136202001	**Eq Blank 05/01/14**	EPA 3510	OEXT/17215	EPA 8141	GCSV/11272
35136202001	**Eq Blank 05/01/14**	EPA 8151	OEXT/17207	EPA 8151	GCSV/11273
35136202001	**Eq Blank 05/01/14**	EPA 3010	MPRP/18295	EPA 6010	ICP/11319
35136202001	**Eq Blank 05/01/14**	EPA 3010	MPRP/18296	EPA 6020	ICPM/7399
35136202001	**Eq Blank 05/01/14**	EPA 7470	MERP/4627	EPA 7470	MERC/4623
35136202001	**Eq Blank 05/01/14**	EPA 3510	OEXT/17204	EPA 8270 by SIM	MSSV/6179
35136202001	**Eq Blank 05/01/14**	EPA 3510	OEXT/27462	EPA 8270	MSSV/9093
35136202001	**Eq Blank 05/01/14**	EPA 8260	MSV/11649		
35136202002	**Trip Blank A**	EPA 8260	MSV/11649		
35136202001	**Eq Blank 05/01/14**	SM 2540C	WET/24851		
35136202001	**Eq Blank 05/01/14**	SM 4500-S2F	WET/24803		
35136202001	**Eq Blank 05/01/14**	EPA 300.0	WETA/35505		
35136202001	**Eq Blank 05/01/14**	EPA 300.0	WETA/35506		
35136202001	**Eq Blank 05/01/14**	EPA 335.4	WETA/35867	EPA 335.4	WETA/35903
35136202001	**Eq Blank 05/01/14**	EPA 350.1	WETA/35861		

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PACE Analytical
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Ormond Beach, FL 32174
(386)672-5668 ● FAX (386)673-4001
(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E

Page 1 of 2

FOR LAB USE ONLY
Temp. of Contents: 5 °C (or Received on Ice, ROI)
Condition of Contents:
Condition of Seals:

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services

Address: 1255 T Mabry Carlton Parkway
City Venice State Fl. Zip Code 34292
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez

Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name:
Central County wells

4. Client Project No.:
No.: 140136

6. Custody Seal No.:

7. Sampled By: Alison Eggleston

8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW – Drinking Water	V – VOA vial
GW – Ground Water	G – glass
SW – Surface Water	P – plastic
PW – Processed Water	M – micro bag/cup
WW – Waste Water	O – other

18. Report Type:
X Routine
With QC

19. Turnaround Time:
X Standard
Rush: / /

14.								
15. Preservatives	H	C	C	C	C	C	C	
16. Containers	V	V	G	G	G	G	G	
17.								

Preservative Codes (for Item 15)
C – Cool Only
H – Hydrochloric Acid
M – Monochloroacetic Acid
N – Nitric Acid
OH – Sodium Hydroxide
S – Sulfuric Acid
T – Sodium Thiosulfate

WO#: 35136202
35136202

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Code)	13. Air	13. Soil	13. Sludge	13. Other	8260 VOC's App I and II	8011 EDB App I & II	8270 App I & II	8081 App I and II	8082 App I & II	8151 App I & II	8141 App I & II	20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1		Eq blank	05/01/14	0930		X	gw					A,B,C								
2		|				X	gw						D,E							
3		|				X	gw							F,F'						
4		|				X	gw								G					
5		|				X	gw									H				
6		|				X	gw										I			
7		▼				X	gw											J		
8		Trip Blank A	05/01/14			X	gw					XX								

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 [signature]	05/01/14	1425	[signature] PAC	5-1-14	1425
2 BSC	5-2-14	06-[illegible]	[signature]	5/2/14	0430
3				-0-5	T-168
4					

FOR LAB USE ONLY
Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.:
Quote No.:

DISTRIBUTION: White with report; make copies as needed

Revised: 1/99

PLEASE USE ADAPT

PACE Analytical
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Ormond Beach, FL 32174
(386)672-5668 ● FAX (386)673-4001
(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E

Page 2 of 2

FOR LAB USE ONLY
Condition of Contents: _____
Temp. of Contents: 5c °C (or Received on Ice, ROI)
Condition of Seals: _____

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services

Address: 1255 T. Mabry Carlton Parkway
Phone: (941)650-9834
City Venice State Fl. Zip Code 34292
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez

Address:
Phone: ( )
City State Zip Code
Fax: ( )

3. Client Project Name:
Central County wells

4. Client Project No.:
No.: 140136

6. Custody Seal No.:

7. Sampled By: Alison Eggleston

8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW - Drinking Water	V - VOA vial
GW - Ground Water	G - glass
SW - Surface Water	P - plastic
PW - Processed Water	M - micro bag/cup
WW - Waste Water	O - other

14.

15. Preservatives	N	S	NaOH	OH	C				
16. Containers	P	P	P	P	P				
17.									

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush: / /

Preservative Codes (for Item 15)
C - Cool Only
H - Hydrochloric Acid
M - Monochloroacetic Acid
N - Nitric Acid
OH - Sodium Hydroxide
S - Sulfuric Acid
T - Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Codes)	Air	Soil	Sludge	Other	Metals App II Fe, Mn, As	Nutrients App I @ II Total ammonia N	Sulfide	CN	Miscellaneous Inorgs App I & II, TDS				20. REMARK	LAB USE ONLY LAB SAMPLE NO.
1		Eq blank	05/01/14	0930		X	gw					K								L. App II	
2						X	gw						L							O App II	
3						X	gw							M							
4						X	gw								N						
5						X	gw									O					
6																					

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 [signature]	05/01/14	1425	B [signature]	5-1-14	1425
2 -JSC	5-2-14	0600	Andrew Smex	5/2/14	0430
3				-0.5	7165
4					

FOR LAB USE ONLY
Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.:
Quote No.:

Revised: 1/99

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	Document No.: F-FL-C-007 rev. 05	Issuing Authorities: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: _____ Project # 35136202

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

Tracking # _____

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

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

Thermometer Used _____ Type of Ice: Wet Blue None

Cooler Temperature °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Date and Initials of person examining contents: _____

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

Receipt of samples satisfactory: ☐ Yes ☐ No

Rush TAT requested on COC:

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: _____

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Extra Sample In Shed: Yes No

Size & Qty of Bottles Received

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

Chain of Custody

Pace Analytica
www.pacelabs.co

Workorder: 35136202 Workorder Name:Central County Wells Owner Received Date: 5/2/2014 Results Requested By: 5/16/2014

Report To	Subcontract To
Joe Vondrick Pace Analytical Services, Inc. 8 East Tower Circle Ormond Beach, FL 32174 Phone (386)672-5668 Fax (386)672-5668	Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						Requested Analysis	LAB USE ONLY
1	Eq Blank (05/01/14)	PS	5/1/2014 09:30	35136202001	Water	1							
2													
3													
4													
5													

Transfers	Released By	Date/Time	Received By	Date/Time
1				
2				
3				

Comments

Cooler Temperature on Receipt °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

Please E-Mail all results in a NELAC-Compliant Florida MDL PDF format to the PM isted above as soon as possible.

INVOICE

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

Pace Analytical™
www.pacelabs.com

Invoice Number: 1435026973
Date: 05/16/2014
Total Amount Due: $566.50

Sold To:

Finance Dept.
Sarasota County
P.O. Box 8
Sarasota, FL 34230-0008
(941) 650-9834

Please Remit To:

Pace Analytical Services, Inc.
P.O. Box 684056
Chicago, IL 60695-4056

Client Number/Client ID	*Purchase Order No*	*Pace Project Mgr*	*Terms*	*Page*
35-000303 / SARCOU	PO 140136	Joe Vondrick	Net 30 Days**	1

Client Project: Central County Eq Blank
Client Name: Sarasota County
Pace Project No: 35136202
Sample Received: 5/2/2014
Report Sent To: Mr. Cesar Rodriquez, Sarasota County
Comments:

ANALYTICAL CHARGES

Quantity	Unit	Description	Method	Matrix	Price	Total
1	Ea	2540C Total Dissolved Solids	SM 2540C	Water	$7.50	$7.50
1	Ea	300.0 IC Anions	EPA 300.0	Water	$0.00	$0.00
1	Ea	300.0 IC Anions NO3	EPA 300.0	Water	$7.00	$7.00
1	Ea	335.4 Cyanide, Total	EPA 335.4	Water	$0.00	$0.00
1	Ea	350.1 Ammonia	EPA 350.1	Water	$7.00	$7.00
1	Ea	40 CFR App II	EPA 8081	Water	$477.00	$477.00
1	Ea	4500S2F Sulfide	SM 4500-S2F	Water	$0.00	$0.00
1	Ea	6010 ICP Metals Fe Mn	EPA 6010	Water	$8.00	$8.00
1	Ea	6020 ICPMS Metals	EPA 6020	Water	$0.00	$0.00
1	Ea	7470 Mercury	EPA 7470	Water	$0.00	$0.00
1	Ea	8011 GCS EDB DBCP	EPA 8011	Water	$0.00	$0.00
1	Ea	8082 GCS PCB	EPA 8082	Water	$0.00	$0.00
1	Ea	8141 GCS Pesticides	EPA 8141	Water	$0.00	$0.00
1	Ea	8151A GCS Herbicides	EPA 8151	Water	$0.00	$0.00
1	Ea	8260 MSV appendix II	EPA 8260	Water	$0.00	$0.00
1	Ea	8260 MSV appendix II	EPA 8260	Water	$60.00	$60.00
1	Ea	8270 MSSV PAHLV by SIM	EPA 8270 by SIM	Water	$0.00	$0.00
1	Ea	Field Data		Water	$0.00	$0.00
1	Ea	Subbed work within PASI MSSV		Water	$0.00	$0.00
					Analytical Subtotal	$566.50

****1.5% MONTHLY FINANCE CHARGE ASSESSED AFTER 30 DAYS OR TERMS OF CONTRACT.**
PLEASE REFERENCE THE INVOICE NUMBER ON ALL REMITTANCE ADVICE.

AN EQUAL OPPORTUNITY EMPLOYER

Please complete and return copy of invoice with your payment.

INVOICE TOTAL $566.50

Amount Paid: $ _____

Check No: _____

Customer No: 35-000303 Invoice No: 1435026973

INVOICE

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

Pace Analytical™
www.pacelabs.com

Invoice Number: 1435026973
Date: 05/16/2014
Total Amount Due: $566.50

Sold To:

Finance Dept.
Sarasota County
P.O. Box 8
Sarasota, FL 34230-0008
(941) 650-9834

Please Remit To:

Pace Analytical Services, Inc.
P.O. Box 684056
Chicago, IL 60695-4056

Client Number/Client ID	*Purchase Order No*	*Pace Project Mgr*	*Terms*	*Page*
35-000303 / SARCOU	PO 140136	Joe Vondrick	Net 30 Days**	2

Client Project: Central County Eq Blank
Client Name: Sarasota County
Pace Project No: 35136202
Sample Received: 5/2/2014
Report Sent To: Mr. Cesar Rodriquez, Sarasota County
Comments:

Total Number of Charges 19 **Total Invoice Amount** **$566.50**

Samples Received for analysis:

Lab ID	Client Sample ID	Received
35136202001	Eq Blank 05/01/14	5/2/2014 4:30:00
35136202002	Trip Blank A	5/2/2014 4:30:00

If you have any questions or to pay by credit card, please contact Joe Vondrick at Pace.
Phone: (386)672-5668 Email: joe.vondrick@pacelabs.com

****1.5% MONTHLY FINANCE CHARGE ASSESSED AFTER 30 DAYS OR TERMS OF CONTRACT.**
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www.pacelabs.com

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

May 16, 2014

Mr. Cesar Rodriquez
Sarasota County
1255 T. Mabry Carlton Parkway
Venice, FL 34292

RE: Project: Central County NAM-4
Pace Project No.: 35136212

Dear Mr. Rodriquez:
Enclosed are the analytical results for sample(s) received by the laboratory on May 02, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Joe Vondrick
joe.vondrick@pacelabs.com
Project Manager

Enclosures

cc: Ms. Heather Bryen, Sarasota County
Finance Dept., Sarasota County

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

CERTIFICATIONS

Project: Central County NAM-4
Pace Project No.: 35136212

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

SAMPLE SUMMARY

Project: Central County NAM-4
Pace Project No.: 35136212

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35136212001	**NAM-4 29094**	Water	05/01/14 11:53	05/02/14 04:30
35136212002	**Trip Blank B**	Water	05/01/14 08:00	05/02/14 04:30

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SAMPLE ANALYTE COUNT

Project: Central County NAM-4
Pace Project No.: 35136212

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35136212001	**NAM-4 29094**	EPA 8011	IRL	2	PASI-O
		EPA 8081	JLG	21	PASI-O
		EPA 8082	JLG	9	PASI-O
		EPA 8141	WFH	7	PASI-O
		EPA 8151	LJM	6	PASI-O
		EPA 6010	TAP	17	PASI-O
		EPA 6020	HEA	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8270 by SIM	EAO	20	PASI-O
		EPA 8270	BPJ	106	PASI-C
		EPA 8260	SK	61	PASI-O
		SM 2540C	WMW	1	PASI-O
		SM 4500-S2F	AGS	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	2	PASI-O
		EPA 335.4	ADC	1	PASI-O
		EPA 350.1	KEK	1	PASI-O
35136212002	**Trip Blank B**	EPA 8260	SK	61	PASI-O

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Central County NAM-4
Pace Project No.: 35136212

Sample: NAM-4 29094 **Lab ID: 35136212001** Collected: 05/01/14 11:53 Received: 05/02/14 04:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.66**	Std. Units			1		05/01/14 11:53		
Field Temperature	**24.48**	deg C			1		05/01/14 11:53		
Field Specific Conductance	**717**	umhos/cm			1		05/01/14 11:53		
Oxygen, Dissolved	**0.56**	mg/L			1		05/01/14 11:53	7782-44-7	
Turbidity	**1.03**	NTU			1		05/01/14 11:53		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0054U**	ug/L	0.022	0.0054	1	05/08/14 17:30	05/09/14 20:33	96-12-8	
1,2-Dibromoethane (EDB)	**0.0069U**	ug/L	0.011	0.0069	1	05/08/14 17:30	05/09/14 20:33	106-93-4	
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**0.0012 I**	ug/L	0.010	0.00051	1	05/06/14 20:00	05/07/14 16:39	309-00-2	
alpha-BHC	**0.00030U**	ug/L	0.010	0.00030	1	05/06/14 20:00	05/07/14 16:39	319-84-6	
beta-BHC	**0.00069 I**	ug/L	0.010	0.00051	1	05/06/14 20:00	05/07/14 16:39	319-85-7	
delta-BHC	**0.00041U**	ug/L	0.010	0.00041	1	05/06/14 20:00	05/07/14 16:39	319-86-8	
gamma-BHC (Lindane)	**0.00020U**	ug/L	0.010	0.00020	1	05/06/14 20:00	05/07/14 16:39	58-89-9	
Chlordane (Technical)	**0.081U**	ug/L	0.51	0.081	1	05/06/14 20:00	05/07/14 16:39	57-74-9	
Chlorobenzilate	**0.021U**	ug/L	0.10	0.021	1	05/06/14 20:00	05/09/14 03:11	510-15-6	
4,4'-DDD	**0.0019U**	ug/L	0.010	0.0019	1	05/06/14 20:00	05/07/14 16:39	72-54-8	
4,4'-DDE	**0.00091U**	ug/L	0.010	0.00091	1	05/06/14 20:00	05/07/14 16:39	72-55-9	
4,4'-DDT	**0.0037U**	ug/L	0.010	0.0037	1	05/06/14 20:00	05/07/14 16:39	50-29-3	
Dieldrin	**0.00051U**	ug/L	0.010	0.00051	1	05/06/14 20:00	05/07/14 16:39	60-57-1	
Endosulfan I	**0.00071U**	ug/L	0.010	0.00071	1	05/06/14 20:00	05/07/14 16:39	959-98-8	
Endosulfan II	**0.00071U**	ug/L	0.010	0.00071	1	05/06/14 20:00	05/07/14 16:39	33213-65-9	
Endosulfan sulfate	**0.00061U**	ug/L	0.10	0.00061	1	05/06/14 20:00	05/07/14 16:39	1031-07-8	
Endrin	**0.0017U**	ug/L	0.010	0.0017	1	05/06/14 20:00	05/07/14 16:39	72-20-8	
Endrin aldehyde	**0.0072U**	ug/L	0.10	0.0072	1	05/06/14 20:00	05/07/14 16:39	7421-93-4	
Heptachlor	**0.0015U**	ug/L	0.010	0.0015	1	05/06/14 20:00	05/07/14 16:39	76-44-8	
Heptachlor epoxide	**0.00041U**	ug/L	0.010	0.00041	1	05/06/14 20:00	05/07/14 16:39	1024-57-3	
Methoxychlor	**0.0071U**	ug/L	0.010	0.0071	1	05/06/14 20:00	05/07/14 16:39	72-43-5	
Pentachloronitrobenzene	**0.015U**	ug/L	0.10	0.015	1	05/06/14 20:00	05/09/14 03:11	82-68-8	
Toxaphene	**0.29U**	ug/L	0.51	0.29	1	05/06/14 20:00	05/07/14 16:39	8001-35-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	**0.081U**	ug/L	0.51	0.081	1	05/06/14 20:00	05/07/14 16:03	12674-11-2	
PCB-1221 (Aroclor 1221)	**0.082U**	ug/L	0.51	0.082	1	05/06/14 20:00	05/07/14 16:03	11104-28-2	
PCB-1232 (Aroclor 1232)	**0.12U**	ug/L	0.51	0.12	1	05/06/14 20:00	05/07/14 16:03	11141-16-5	
PCB-1242 (Aroclor 1242)	**0.13U**	ug/L	0.51	0.13	1	05/06/14 20:00	05/07/14 16:03	53469-21-9	
PCB-1248 (Aroclor 1248)	**0.28U**	ug/L	0.51	0.28	1	05/06/14 20:00	05/07/14 16:03	12672-29-6	
PCB-1254 (Aroclor 1254)	**0.15U**	ug/L	0.51	0.15	1	05/06/14 20:00	05/07/14 16:03	11097-69-1	
PCB-1260 (Aroclor 1260)	**0.11U**	ug/L	0.51	0.11	1	05/06/14 20:00	05/07/14 16:03	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	59	%	48-111		1	05/06/14 20:00	05/07/14 16:03	877-09-8	
Decachlorobiphenyl (S)	60	%	63-121		1	05/06/14 20:00	05/07/14 16:03	2051-24-3	P2,S7

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Central County NAM-4
Pace Project No.: 35136212

Sample: NAM-4 29094 **Lab ID: 35136212001** Collected: 05/01/14 11:53 Received: 05/02/14 04:30 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								
Dimethoate	**0.25U**	ug/L	0.52	0.25	1	05/08/14 10:00	05/08/14 19:23	60-51-5	
Disulfoton	**0.26U**	ug/L	0.52	0.26	1	05/08/14 10:00	05/08/14 19:23	298-04-4	
Famphur	**0.30U**	ug/L	0.52	0.30	1	05/08/14 10:00	05/08/14 19:23	52-85-7	
Methyl parathion	**0.28U**	ug/L	0.52	0.28	1	05/08/14 10:00	05/08/14 19:23	298-00-0	
Parathion (Ethyl parathion)	**0.49U**	ug/L	1.0	0.49	1	05/08/14 10:00	05/08/14 19:23	56-38-2	
Phorate	**0.43U**	ug/L	1.0	0.43	1	05/08/14 10:00	05/08/14 19:23	298-02-2	
Surrogates									
4-Chloro3nitrobenzotrifluoride	53	%	34.2-122		1	05/08/14 10:00	05/08/14 19:23		
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**0.24U**	ug/L	1.0	0.24	1	05/08/14 07:15	05/09/14 04:40	94-75-7	
Dinoseb	**0.061U**	ug/L	0.20	0.061	1	05/08/14 07:15	05/09/14 04:40	88-85-7	
Pentachlorophenol	**0.018U**	ug/L	0.031	0.018	1	05/08/14 07:15	05/09/14 04:40	87-86-5	
2,4,5-T	**0.045U**	ug/L	0.20	0.045	1	05/08/14 07:15	05/09/14 04:40	93-76-5	
2,4,5-TP (Silvex)	**0.053U**	ug/L	0.20	0.053	1	05/08/14 07:15	05/09/14 04:40	93-72-1	
Surrogates									
2,4-DCAA (S)	90	%	42-142		1	05/08/14 07:15	05/09/14 04:40	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**6.5 I**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 22:10	7440-38-2	
Barium	**19.3**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 22:10	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 22:10	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 22:10	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 22:10	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 22:10	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 22:10	7440-50-8	
Iron	**2710**	ug/L	40.0	20.0	1	05/07/14 10:50	05/08/14 22:10	7439-89-6	
Lead	**5.0U**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 22:10	7439-92-1	
Manganese	**9.7**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 22:10	7439-96-5	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 22:10	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	05/07/14 10:50	05/08/14 22:10	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	05/07/14 10:50	05/08/14 22:10	7440-22-4	
Sodium	**39.8**	mg/L	1.0	0.50	1	05/07/14 10:50	05/08/14 22:10	7440-23-5	
Tin	**25.0U**	ug/L	50.0	25.0	1	05/07/14 10:50	05/08/14 22:10	7440-31-5	
Vanadium	**7.4 I**	ug/L	10.0	5.0	1	05/07/14 10:50	05/08/14 22:10	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	05/07/14 10:50	05/08/14 22:10	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 18:57	7440-36-0	V
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/07/14 10:50	05/08/14 18:57	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10U**	ug/L	0.20	0.10	1	05/14/14 14:00	05/15/14 09:14	7439-97-6	

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

ANALYTICAL RESULTS

Project: Central County NAM-4
Pace Project No.: 35136212

Sample: NAM-4 29094 **Lab ID: 35136212001** Collected: 05/01/14 11:53 Received: 05/02/14 04:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 01:18	83-32-9	
Acenaphthylene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 01:18	208-96-8	
Anthracene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 01:18	120-12-7	
Benzo(a)anthracene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 01:18	56-55-3	
Benzo(a)pyrene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 01:18	50-32-8	
Benzo(b)fluoranthene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 01:18	205-99-2	
Benzo(g,h,i)perylene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 01:18	191-24-2	
Benzo(k)fluoranthene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 01:18	207-08-9	
Chrysene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 01:18	218-01-9	
Dibenz(a,h)anthracene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 01:18	53-70-3	
Fluoranthene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 01:18	206-44-0	
Fluorene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 01:18	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 01:18	193-39-5	
1-Methylnaphthalene	**1.0U**	ug/L	2.0	1.0	1	05/07/14 16:00	05/09/14 01:18	90-12-0	
2-Methylnaphthalene	**1.0U**	ug/L	2.0	1.0	1	05/07/14 16:00	05/09/14 01:18	91-57-6	
Naphthalene	**1.0U**	ug/L	2.0	1.0	1	05/07/14 16:00	05/09/14 01:18	91-20-3	
Phenanthrene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 01:18	85-01-8	
Pyrene	**0.025U**	ug/L	0.10	0.025	1	05/07/14 16:00	05/09/14 01:18	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%	18-110		1	05/07/14 16:00	05/09/14 01:18	321-60-8	
Terphenyl-d14 (S)	121	%	18-123		1	05/07/14 16:00	05/09/14 01:18	1718-51-0	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**1.1U**	ug/L	10.0	1.1	1	05/06/14 14:30	05/13/14 14:42	83-32-9	
Acenaphthylene	**0.99U**	ug/L	10.0	0.99	1	05/06/14 14:30	05/13/14 14:42	208-96-8	
Acetophenone	**0.83U**	ug/L	10.0	0.83	1	05/06/14 14:30	05/13/14 14:42	98-86-2	
2-Acetylaminofluorene	**0.31U**	ug/L	20.0	0.31	1	05/06/14 14:30	05/13/14 14:42	53-96-3	
4-Aminobiphenyl	**0.32U**	ug/L	10.0	0.32	1	05/06/14 14:30	05/13/14 14:42	92-67-1	
Anthracene	**0.47U**	ug/L	10.0	0.47	1	05/06/14 14:30	05/13/14 14:42	120-12-7	
Benzo(a)anthracene	**0.47U**	ug/L	10.0	0.47	1	05/06/14 14:30	05/13/14 14:42	56-55-3	
Benzo(a)pyrene	**0.57U**	ug/L	10.0	0.57	1	05/06/14 14:30	05/13/14 14:42	50-32-8	
Benzo(b)fluoranthene	**0.44U**	ug/L	10.0	0.44	1	05/06/14 14:30	05/13/14 14:42	205-99-2	
Benzo(g,h,i)perylene	**0.45U**	ug/L	10.0	0.45	1	05/06/14 14:30	05/13/14 14:42	191-24-2	
Benzo(k)fluoranthene	**0.53U**	ug/L	10.0	0.53	1	05/06/14 14:30	05/13/14 14:42	207-08-9	
Benzyl alcohol	**2.1U**	ug/L	20.0	2.1	1	05/06/14 14:30	05/13/14 14:42	100-51-6	
4-Bromophenylphenyl ether	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 14:42	101-55-3	
Butylbenzylphthalate	**0.48U**	ug/L	10.0	0.48	1	05/06/14 14:30	05/13/14 14:42	85-68-7	
4-Chloro-3-methylphenol	**2.0U**	ug/L	20.0	2.0	1	05/06/14 14:30	05/13/14 14:42	59-50-7	
4-Chloroaniline	**1.6U**	ug/L	20.0	1.6	1	05/06/14 14:30	05/13/14 14:42	106-47-8	
bis(2-Chloroethoxy)methane	**1.3U**	ug/L	10.0	1.3	1	05/06/14 14:30	05/13/14 14:42	111-91-1	
bis(2-Chloroethyl) ether	**0.89U**	ug/L	10.0	0.89	1	05/06/14 14:30	05/13/14 14:42	111-44-4	
bis(2-Chloroisopropyl) ether	**0.86U**	ug/L	10.0	0.86	1	05/06/14 14:30	05/13/14 14:42	108-60-1	
2-Chloronaphthalene	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 14:42	91-58-7	
2-Chlorophenol	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 14:42	95-57-8	
4-Chlorophenylphenyl ether	**1.1U**	ug/L	10.0	1.1	1	05/06/14 14:30	05/13/14 14:42	7005-72-3	
Chrysene	**0.49U**	ug/L	10.0	0.49	1	05/06/14 14:30	05/13/14 14:42	218-01-9	

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ANALYTICAL RESULTS

Project: Central County NAM-4
Pace Project No.: 35136212

Sample: NAM-4 29094 **Lab ID: 35136212001** Collected: 05/01/14 11:53 Received: 05/02/14 04:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Diallate	**0.96U**	ug/L	10.0	0.96	1	05/06/14 14:30	05/13/14 14:42	2303-16-4	
Dibenz(a,h)anthracene	**0.49U**	ug/L	10.0	0.49	1	05/06/14 14:30	05/13/14 14:42	53-70-3	
Dibenzofuran	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 14:42	132-64-9	
1,2-Dichlorobenzene	**0.71U**	ug/L	10.0	0.71	1	05/06/14 14:30	05/13/14 14:42	95-50-1	
1,3-Dichlorobenzene	**0.78U**	ug/L	10.0	0.78	1	05/06/14 14:30	05/13/14 14:42	541-73-1	
1,4-Dichlorobenzene	**0.81U**	ug/L	10.0	0.81	1	05/06/14 14:30	05/13/14 14:42	106-46-7	
3,3'-Dichlorobenzidine	**0.69U**	ug/L	20.0	0.69	1	05/06/14 14:30	05/13/14 14:42	91-94-1	
2,4-Dichlorophenol	**0.85U**	ug/L	10.0	0.85	1	05/06/14 14:30	05/13/14 14:42	120-83-2	
2,6-Dichlorophenol	**1.7U**	ug/L	10.0	1.7	1	05/06/14 14:30	05/13/14 14:42	87-65-0	
Diethylphthalate	**0.91U**	ug/L	10.0	0.91	1	05/06/14 14:30	05/13/14 14:42	84-66-2	
P-Dimethylaminoazobenzene	**0.23U**	ug/L	5.0	0.23	1	05/06/14 14:30	05/13/14 14:42	60-11-7	
7,12-Dimethylbenz(a)anthracene	**0.51U**	ug/L	10.0	0.51	1	05/06/14 14:30	05/13/14 14:42	57-97-6	
3,3'-Dimethylbenzidine	**0.74U**	ug/L	10.0	0.74	1	05/06/14 14:30	05/13/14 14:42	119-93-7	
2,4-Dimethylphenol	**0.96U**	ug/L	10.0	0.96	1	05/06/14 14:30	05/13/14 14:42	105-67-9	
a,a-Dimethylphenylethylamine	**1.5U**	ug/L	50.0	1.5	1	05/06/14 14:30	05/13/14 14:42	122-09-8	
Dimethylphthalate	**0.62U**	ug/L	10.0	0.62	1	05/06/14 14:30	05/13/14 14:42	131-11-3	
Di-n-butylphthalate	**0.37U**	ug/L	10.0	0.37	1	05/06/14 14:30	05/13/14 14:42	84-74-2	
4,6-Dinitro-2-methylphenol	**1.1U**	ug/L	20.0	1.1	1	05/06/14 14:30	05/13/14 14:42	534-52-1	
1,3-Dinitrobenzene	**0.81U**	ug/L	20.0	0.81	1	05/06/14 14:30	05/13/14 14:42	99-65-0	
2,4-Dinitrophenol	**2.5U**	ug/L	50.0	2.5	1	05/06/14 14:30	05/13/14 14:42	51-28-5	
2,4-Dinitrotoluene	**0.92U**	ug/L	10.0	0.92	1	05/06/14 14:30	05/13/14 14:42	121-14-2	
2,6-Dinitrotoluene	**2.1U**	ug/L	10.0	2.1	1	05/06/14 14:30	05/13/14 14:42	606-20-2	
Di-n-octylphthalate	**0.12U**	ug/L	10.0	0.12	1	05/06/14 14:30	05/13/14 14:42	117-84-0	
bis(2-Ethylhexyl)phthalate	**0.49U**	ug/L	6.0	0.49	1	05/06/14 14:30	05/13/14 14:42	117-81-7	
Ethyl methanesulfonate	**1.3U**	ug/L	20.0	1.3	1	05/06/14 14:30	05/13/14 14:42	62-50-0	
Fluoranthene	**0.41U**	ug/L	10.0	0.41	1	05/06/14 14:30	05/13/14 14:42	206-44-0	
Fluorene	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 14:42	86-73-7	
Hexachlorobenzene	**0.76U**	ug/L	10.0	0.76	1	05/06/14 14:30	05/13/14 14:42	118-74-1	
Hexachlorocyclopentadiene	**1.1U**	ug/L	10.0	1.1	1	05/06/14 14:30	05/13/14 14:42	77-47-4	
Hexachloroethane	**0.90U**	ug/L	10.0	0.90	1	05/06/14 14:30	05/13/14 14:42	67-72-1	
Hexachloropropene	**1.4U**	ug/L	10.0	1.4	1	05/06/14 14:30	05/13/14 14:42	1888-71-7	
Indeno(1,2,3-cd)pyrene	**0.53U**	ug/L	10.0	0.53	1	05/06/14 14:30	05/13/14 14:42	193-39-5	
Isodrin	**0.75U**	ug/L	20.0	0.75	1	05/06/14 14:30	05/13/14 14:42	465-73-6	
Isophorone	**0.92U**	ug/L	10.0	0.92	1	05/06/14 14:30	05/13/14 14:42	78-59-1	
Isosafrole	**1.2U**	ug/L	10.0	1.2	1	05/06/14 14:30	05/13/14 14:42	120-58-1	
Kepone	**1.6U**	ug/L	10.0	1.6	1	05/06/14 14:30	05/13/14 14:42	143-50-0	
Methapyrilene	**1.3U**	ug/L	50.0	1.3	1	05/06/14 14:30	05/13/14 14:42	91-80-5	
3-Methylcholanthrene	**0.37U**	ug/L	10.0	0.37	1	05/06/14 14:30	05/13/14 14:42	56-49-5	
Methyl methanesulfonate	**1.2U**	ug/L	5.0	1.2	1	05/06/14 14:30	05/13/14 14:42	66-27-3	
2-Methylnaphthalene	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 14:42	91-57-6	
2-Methylphenol(o-Cresol)	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 14:42	95-48-7	
3&4-Methylphenol(m&p Cresol)	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 14:42		
1-Naphthalenamine	**0.54U**	ug/L	5.0	0.54	1	05/06/14 14:30	05/13/14 14:42	134-32-7	
2-Naphthalenamine	**0.87U**	ug/L	5.0	0.87	1	05/06/14 14:30	05/13/14 14:42	91-59-8	
Naphthalene	**0.93U**	ug/L	10.0	0.93	1	05/06/14 14:30	05/13/14 14:42	91-20-3	
1,4-Naphthoquinone	**0.84U**	ug/L	5.0	0.84	1	05/06/14 14:30	05/13/14 14:42	130-15-4	

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ANALYTICAL RESULTS

Project: Central County NAM-4
Pace Project No.: 35136212

Sample: NAM-4 29094 **Lab ID: 35136212001** Collected: 05/01/14 11:53 Received: 05/02/14 04:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
2-Nitroaniline	**1.5U**	ug/L	50.0	1.5	1	05/06/14 14:30	05/13/14 14:42	88-74-4	
3-Nitroaniline	**1.3U**	ug/L	50.0	1.3	1	05/06/14 14:30	05/13/14 14:42	99-09-2	
4-Nitroaniline	**1.6U**	ug/L	20.0	1.6	1	05/06/14 14:30	05/13/14 14:42	100-01-6	
Nitrobenzene	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 14:42	98-95-3	
2-Nitrophenol	**0.71U**	ug/L	10.0	0.71	1	05/06/14 14:30	05/13/14 14:42	88-75-5	
4-Nitrophenol	**3.9U**	ug/L	50.0	3.9	1	05/06/14 14:30	05/13/14 14:42	100-02-7	
5-Nitro-o-toluidine	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 14:42	99-55-8	
N-Nitrosodiethylamine	**0.91U**	ug/L	20.0	0.91	1	05/06/14 14:30	05/13/14 14:42	55-18-5	
N-Nitrosodimethylamine	**0.94U**	ug/L	10.0	0.94	1	05/06/14 14:30	05/13/14 14:42	62-75-9	
N-Nitroso-di-n-butylamine	**1.3U**	ug/L	10.0	1.3	1	05/06/14 14:30	05/13/14 14:42	924-16-3	
N-Nitroso-di-n-propylamine	**0.85U**	ug/L	10.0	0.85	1	05/06/14 14:30	05/13/14 14:42	621-64-7	
N-Nitrosodiphenylamine	**0.64U**	ug/L	10.0	0.64	1	05/06/14 14:30	05/13/14 14:42	86-30-6	
N-Nitrosomethylethylamine	**0.61U**	ug/L	10.0	0.61	1	05/06/14 14:30	05/13/14 14:42	10595-95-6	
N-Nitrosopiperidine	**1.2U**	ug/L	20.0	1.2	1	05/06/14 14:30	05/13/14 14:42	100-75-4	
N-Nitrosopyrrolidine	**1.1U**	ug/L	10.0	1.1	1	05/06/14 14:30	05/13/14 14:42	930-55-2	
O,O,O-Triethylphosphorothioate	**1.4U**	ug/L	10.0	1.4	1	05/06/14 14:30	05/13/14 14:42	126-68-1	
Pentachlorobenzene	**1.5U**	ug/L	10.0	1.5	1	05/06/14 14:30	05/13/14 14:42	608-93-5	
Phenacetin	**0.54U**	ug/L	20.0	0.54	1	05/06/14 14:30	05/13/14 14:42	62-44-2	
Phenanthrene	**0.53U**	ug/L	10.0	0.53	1	05/06/14 14:30	05/13/14 14:42	85-01-8	
Phenol	**1.1U**	ug/L	10.0	1.1	1	05/06/14 14:30	05/13/14 14:42	108-95-2	
p-Phenylenediamine	**0.96U**	ug/L	10.0	0.96	1	05/06/14 14:30	05/13/14 14:42	106-50-3	
Pronamide	**0.58U**	ug/L	10.0	0.58	1	05/06/14 14:30	05/13/14 14:42	23950-58-5	
Pyrene	**0.49U**	ug/L	10.0	0.49	1	05/06/14 14:30	05/13/14 14:42	129-00-0	
Safrole	**1.4U**	ug/L	10.0	1.4	1	05/06/14 14:30	05/13/14 14:42	94-59-7	
1,2,4,5-Tetrachlorobenzene	**1.3U**	ug/L	10.0	1.3	1	05/06/14 14:30	05/13/14 14:42	95-94-3	
2,3,4,6-Tetrachlorophenol	**1.6U**	ug/L	10.0	1.6	1	05/06/14 14:30	05/13/14 14:42	58-90-2	
Thionazin	**0.86U**	ug/L	20.0	0.86	1	05/06/14 14:30	05/13/14 14:42	297-97-2	
O-Toluidine	**0.72U**	ug/L	10.0	0.72	1	05/06/14 14:30	05/13/14 14:42	95-53-4	
2,4,5-Trichlorophenol	**1.0U**	ug/L	10.0	1.0	1	05/06/14 14:30	05/13/14 14:42	95-95-4	
2,4,6-Trichlorophenol	**0.85U**	ug/L	10.0	0.85	1	05/06/14 14:30	05/13/14 14:42	88-06-2	
1,3,5-Trinitrobenzene	**0.83U**	ug/L	10.0	0.83	1	05/06/14 14:30	05/13/14 14:42	99-35-4	
Surrogates									
Nitrobenzene-d5 (S)	58	%	21-110		1	05/06/14 14:30	05/13/14 14:42	4165-60-0	
2-Fluorobiphenyl (S)	72	%	27-110		1	05/06/14 14:30	05/13/14 14:42	321-60-8	
Terphenyl-d14 (S)	64	%	31-107		1	05/06/14 14:30	05/13/14 14:42	1718-51-0	
Phenol-d6 (S)	45	%	10-110		1	05/06/14 14:30	05/13/14 14:42	13127-88-3	
2-Fluorophenol (S)	46	%	12-110		1	05/06/14 14:30	05/13/14 14:42	367-12-4	
2,4,6-Tribromophenol (S)	69	%	27-110		1	05/06/14 14:30	05/13/14 14:42	118-79-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/14/14 16:27	67-64-1	
Acetonitrile	**5.0U**	ug/L	10.0	5.0	1		05/14/14 16:27	75-05-8	
Acrolein	**10.0U**	ug/L	20.0	10.0	1		05/14/14 16:27	107-02-8	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/14/14 16:27	107-13-1	
Allyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	107-05-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/14/14 16:27	71-43-2	

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ANALYTICAL RESULTS

Project: Central County NAM-4
Pace Project No.: 35136212

Sample: NAM-4 29094 **Lab ID: 35136212001** Collected: 05/01/14 11:53 Received: 05/02/14 04:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/14/14 16:27	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/14/14 16:27	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/14/14 16:27	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/14/14 16:27	74-87-3	
Chloroprene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	126-99-8	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/14/14 16:27	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	74-95-3	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/14/14 16:27	110-57-6	
Dichlorodifluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	75-71-8	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	78-87-5	
1,3-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	142-28-9	
2,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	594-20-7	
1,1-Dichloropropene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	563-58-6	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/14/14 16:27	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/14/14 16:27	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	100-41-4	
Ethyl methacrylate	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	97-63-2	
Hexachloro-1,3-butadiene	**0.40U**	ug/L	1.0	0.40	1		05/14/14 16:27	87-68-3	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/14/14 16:27	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	74-88-4	
Isobutyl Alcohol	**10.0U**	ug/L	20.0	10.0	1		05/14/14 16:27	78-83-1	
Methacrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/14/14 16:27	126-98-7	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/14/14 16:27	75-09-2	
Methyl methacrylate	**5.0U**	ug/L	10.0	5.0	1		05/14/14 16:27	80-62-6	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/14/14 16:27	108-10-1	
Propionitrile	**5.0U**	ug/L	10.0	5.0	1		05/14/14 16:27	107-12-0	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/14/14 16:27	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	108-88-3	
1,2,4-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	120-82-1	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	79-00-5	

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ANALYTICAL RESULTS

Project: Central County NAM-4
Pace Project No.: 35136212

Sample: NAM-4 29094 **Lab ID: 35136212001** Collected: 05/01/14 11:53 Received: 05/02/14 04:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/14/14 16:27	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/14/14 16:27	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/14/14 16:27	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-114		1		05/14/14 16:27	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	86-125		1		05/14/14 16:27	17060-07-0	
Toluene-d8 (S)	103	%	87-113		1		05/14/14 16:27	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**460**	mg/L	5.0	5.0	1		05/08/14 13:55		
4500S2F Sulfide	Analytical Method: SM 4500-S2F								
Sulfide	**0.32**	mg/L	0.10	0.10	1		05/06/14 15:09	18496-25-8	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.043U**	mg/L	0.050	0.043	1		05/03/14 00:57	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**41.7**	mg/L	5.0	2.5	1		05/03/14 00:57	16887-00-6	
Sulfate	**30.2**	mg/L	5.0	2.5	1		05/03/14 00:57	14808-79-8	
335.4 Cyanide, Total	Analytical Method: EPA 335.4 Preparation Method: EPA 335.4								
Cyanide	**0.0050U**	mg/L	0.010	0.0050	1	05/15/14 13:00	05/15/14 19:10	57-12-5	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.078**	mg/L	0.050	0.020	1		05/15/14 11:25	7664-41-7	

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ANALYTICAL RESULTS

Project: Central County NAM-4
Pace Project No.: 35136212

Sample: Trip Blank B **Lab ID: 35136212002** Collected: 05/01/14 08:00 Received: 05/02/14 04:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/14/14 15:13	67-64-1	
Acetonitrile	**5.0U**	ug/L	10.0	5.0	1		05/14/14 15:13	75-05-8	
Acrolein	**10.0U**	ug/L	20.0	10.0	1		05/14/14 15:13	107-02-8	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/14/14 15:13	107-13-1	
Allyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	107-05-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/14/14 15:13	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/14/14 15:13	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/14/14 15:13	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/14/14 15:13	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/14/14 15:13	74-87-3	
Chloroprene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	126-99-8	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/14/14 15:13	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	74-95-3	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/14/14 15:13	110-57-6	
Dichlorodifluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	75-71-8	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	78-87-5	
1,3-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	142-28-9	
2,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	594-20-7	
1,1-Dichloropropene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	563-58-6	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/14/14 15:13	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/14/14 15:13	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	100-41-4	
Ethyl methacrylate	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	97-63-2	
Hexachloro-1,3-butadiene	**0.40U**	ug/L	1.0	0.40	1		05/14/14 15:13	87-68-3	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/14/14 15:13	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	74-88-4	
Isobutyl Alcohol	**10.0U**	ug/L	20.0	10.0	1		05/14/14 15:13	78-83-1	
Methacrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/14/14 15:13	126-98-7	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/14/14 15:13	75-09-2	
Methyl methacrylate	**5.0U**	ug/L	10.0	5.0	1		05/14/14 15:13	80-62-6	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/14/14 15:13	108-10-1	
Propionitrile	**5.0U**	ug/L	10.0	5.0	1		05/14/14 15:13	107-12-0	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	630-20-6	

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ANALYTICAL RESULTS

Project: Central County NAM-4
Pace Project No.: 35136212

Sample: Trip Blank B **Lab ID: 35136212002** Collected: 05/01/14 08:00 Received: 05/02/14 04:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/14/14 15:13	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	108-88-3	
1,2,4-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	120-82-1	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/14/14 15:13	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/14/14 15:13	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/14/14 15:13	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-114		1		05/14/14 15:13	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	86-125		1		05/14/14 15:13	17060-07-0	
Toluene-d8 (S)	98	%	87-113		1		05/14/14 15:13	2037-26-5	

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

QC Batch: MERP/4627 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35136212001

METHOD BLANK: 902004 Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	05/15/14 08:50	

LABORATORY CONTROL SAMPLE: 902005

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 902006 902007

Parameter	Units	35136197001 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	1.9	1.9	93	93	80-120	0	20	

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

QC Batch: MPRP/18337
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 35136212001

METHOD BLANK: 895569
Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	05/08/14 20:28	
Barium	ug/L	5.0U	10.0	05/08/14 20:28	
Beryllium	ug/L	0.50U	1.0	05/08/14 20:28	
Cadmium	ug/L	0.50U	1.0	05/08/14 20:28	
Chromium	ug/L	2.5U	5.0	05/08/14 20:28	
Cobalt	ug/L	5.0U	10.0	05/08/14 20:28	
Copper	ug/L	2.5U	5.0	05/08/14 20:28	
Iron	ug/L	20.0U	40.0	05/08/14 20:28	
Lead	ug/L	5.0U	10.0	05/08/14 20:28	
Manganese	ug/L	2.5U	5.0	05/08/14 20:28	
Nickel	ug/L	2.5U	5.0	05/08/14 20:28	
Selenium	ug/L	7.5U	15.0	05/08/14 20:28	
Silver	ug/L	2.5U	5.0	05/08/14 20:28	
Sodium	mg/L	0.50U	1.0	05/08/14 20:28	
Tin	ug/L	25.0U	50.0	05/08/14 20:28	
Vanadium	ug/L	5.0U	10.0	05/08/14 20:28	
Zinc	ug/L	10.0U	20.0	05/08/14 20:28	

LABORATORY CONTROL SAMPLE: 895570

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	254	102	80-120	
Barium	ug/L	250	256	102	80-120	
Beryllium	ug/L	25	26.2	105	80-120	
Cadmium	ug/L	25	26.3	105	80-120	
Chromium	ug/L	250	270	108	80-120	
Cobalt	ug/L	250	264	106	80-120	
Copper	ug/L	250	258	103	80-120	
Iron	ug/L	2500	2610	104	80-120	
Lead	ug/L	250	264	105	80-120	
Manganese	ug/L	250	264	105	80-120	
Nickel	ug/L	250	266	107	80-120	
Selenium	ug/L	250	271	108	80-120	
Silver	ug/L	25	26.4	105	80-120	
Sodium	mg/L	12.5	13.4	107	80-120	
Tin	ug/L	1250	1310	105	80-120	
Vanadium	ug/L	250	262	105	80-120	
Zinc	ug/L	1250	1320	105	80-120	

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 895571 895572

Parameter	Units	35136642003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	<5.0	250	250	260	266	104	106	75-125	2	20	
Barium	ug/L	49.0	250	250	305	309	103	104	75-125	1	20	
Beryllium	ug/L	<0.50	25	25	26.2	27.1	104	108	75-125	4	20	
Cadmium	ug/L	<0.50	25	25	25.2	25.9	101	104	75-125	3	20	
Chromium	ug/L	<2.5	250	250	264	269	105	107	75-125	2	20	
Cobalt	ug/L	<5.0	250	250	258	265	103	106	75-125	2	20	
Copper	ug/L	<2.5	250	250	264	268	105	107	75-125	1	20	
Iron	ug/L	950	2500	2500	3520	3590	103	106	75-125	2	20	
Lead	ug/L	<5.0	250	250	257	262	103	105	75-125	2	20	
Manganese	ug/L	2.9 I	250	250	266	277	105	110	75-125	4	20	
Nickel	ug/L	<2.5	250	250	258	264	103	105	75-125	2	20	
Selenium	ug/L	<7.5	250	250	264	272	105	109	75-125	3	20	
Silver	ug/L	<2.5	25	25	26.4	27.3	106	109	75-125	3	20	
Sodium	mg/L	24.2	12.5	12.5	36.8	37.1	101	103	75-125	8	20	
Tin	ug/L	<25.0	1250	1250	1290	1320	103	106	75-125	3	20	
Vanadium	ug/L	<5.0	250	250	263	268	104	106	75-125	2	20	
Zinc	ug/L	<10.0	1250	1250	1300	1340	104	107	75-125	2	20	

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

QC Batch: MPRP/18338
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Associated Lab Samples: 35136212001

METHOD BLANK: 895573 Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	05/09/14 12:04	

LABORATORY CONTROL SAMPLE: 895574

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	48.3	97	80-120	
Thallium	ug/L	50	49.4	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 895575 895576

Parameter	Units	35136642004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	<0.50	50	50	47.0	48.4	94	97	75-125	3	20	V
Thallium	ug/L	<0.50	50	50	52.2	52.7	104	105	75-125	1	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

QC Batch: MSV/11649 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35136212001, 35136212002

METHOD BLANK: 902097 Matrix: Water
Associated Lab Samples: 35136212001, 35136212002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	05/14/14 10:13	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	05/14/14 10:13	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	05/14/14 10:13	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	05/14/14 10:13	
1,1-Dichloroethane	ug/L	0.50U	1.0	05/14/14 10:13	
1,1-Dichloroethene	ug/L	0.50U	1.0	05/14/14 10:13	
1,1-Dichloropropene	ug/L	0.50U	1.0	05/14/14 10:13	
1,2,3-Trichloropropane	ug/L	0.59U	1.0	05/14/14 10:13	
1,2,4-Trichlorobenzene	ug/L	0.50U	1.0	05/14/14 10:13	
1,2-Dichloroethane	ug/L	0.50U	1.0	05/14/14 10:13	
1,2-Dichloropropane	ug/L	0.50U	1.0	05/14/14 10:13	
1,3-Dichloropropane	ug/L	0.50U	1.0	05/14/14 10:13	
2,2-Dichloropropane	ug/L	0.50U	1.0	05/14/14 10:13	
2-Butanone (MEK)	ug/L	5.0U	10.0	05/14/14 10:13	
2-Hexanone	ug/L	5.0U	10.0	05/14/14 10:13	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	05/14/14 10:13	
Acetone	ug/L	10.0U	20.0	05/14/14 10:13	
Acetonitrile	ug/L	5.0U	10.0	05/14/14 10:13	
Acrolein	ug/L	10.0U	20.0	05/14/14 10:13	
Acrylonitrile	ug/L	5.0U	10.0	05/14/14 10:13	
Allyl chloride	ug/L	0.50U	1.0	05/14/14 10:13	
Benzene	ug/L	0.10U	1.0	05/14/14 10:13	
Bromochloromethane	ug/L	0.50U	1.0	05/14/14 10:13	
Bromodichloromethane	ug/L	0.27U	0.60	05/14/14 10:13	
Bromoform	ug/L	0.50U	1.0	05/14/14 10:13	
Bromomethane	ug/L	0.50U	1.0	05/14/14 10:13	
Carbon disulfide	ug/L	5.0U	10.0	05/14/14 10:13	
Carbon tetrachloride	ug/L	0.50U	1.0	05/14/14 10:13	
Chlorobenzene	ug/L	0.50U	1.0	05/14/14 10:13	
Chloroethane	ug/L	0.50U	1.0	05/14/14 10:13	
Chloroform	ug/L	0.50U	1.0	05/14/14 10:13	
Chloromethane	ug/L	0.62U	1.0	05/14/14 10:13	
Chloroprene	ug/L	0.50U	1.0	05/14/14 10:13	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	05/14/14 10:13	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	05/14/14 10:13	
Dibromochloromethane	ug/L	0.26U	0.50	05/14/14 10:13	
Dibromomethane	ug/L	0.50U	1.0	05/14/14 10:13	
Dichlorodifluoromethane	ug/L	0.50U	1.0	05/14/14 10:13	
Ethyl methacrylate	ug/L	0.50U	1.0	05/14/14 10:13	
Ethylbenzene	ug/L	0.50U	1.0	05/14/14 10:13	
Hexachloro-1,3-butadiene	ug/L	0.56 I	1.0	05/14/14 10:13	
Iodomethane	ug/L	0.50U	1.0	05/14/14 10:13	
Isobutyl Alcohol	ug/L	10.0U	20.0	05/14/14 10:13	

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

METHOD BLANK: 902097 Matrix: Water
Associated Lab Samples: 35136212001, 35136212002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methacrylonitrile	ug/L	5.0U	10.0	05/14/14 10:13	
Methyl methacrylate	ug/L	5.0U	10.0	05/14/14 10:13	
Methylene Chloride	ug/L	2.5U	5.0	05/14/14 10:13	
Propionitrile	ug/L	5.0U	10.0	05/14/14 10:13	
Styrene	ug/L	0.50U	1.0	05/14/14 10:13	
Tetrachloroethene	ug/L	0.50U	1.0	05/14/14 10:13	
Toluene	ug/L	0.50U	1.0	05/14/14 10:13	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	05/14/14 10:13	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	05/14/14 10:13	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	05/14/14 10:13	
Trichloroethene	ug/L	0.50U	1.0	05/14/14 10:13	
Trichlorofluoromethane	ug/L	0.50U	1.0	05/14/14 10:13	
Vinyl acetate	ug/L	1.0U	2.0	05/14/14 10:13	
Vinyl chloride	ug/L	0.50U	1.0	05/14/14 10:13	
Xylene (Total)	ug/L	0.50U	1.0	05/14/14 10:13	
1,2-Dichloroethane-d4 (S)	%	97	86-125	05/14/14 10:13	
4-Bromofluorobenzene (S)	%	104	70-114	05/14/14 10:13	
Toluene-d8 (S)	%	100	87-113	05/14/14 10:13	

LABORATORY CONTROL SAMPLE: 902098

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.3	102	70-130	
1,1,1-Trichloroethane	ug/L	20	19.5	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	15.6	78	70-130	
1,1,2-Trichloroethane	ug/L	20	18.9	94	70-130	
1,1-Dichloroethane	ug/L	20	19.0	95	70-130	
1,1-Dichloroethene	ug/L	20	16.8	84	70-130	
1,1-Dichloropropene	ug/L	20	18.8	94	70-130	
1,2,3-Trichloropropane	ug/L	20	15.5	77	70-130	
1,2,4-Trichlorobenzene	ug/L	20	16.9	84	70-130	
1,2-Dichloroethane	ug/L	20	18.3	92	70-130	
1,2-Dichloropropane	ug/L	20	16.9	84	70-130	
1,3-Dichloropropane	ug/L	20	18.9	94	70-130	
2,2-Dichloropropane	ug/L	20	22.1	110	70-131	
2-Butanone (MEK)	ug/L	40	29.2	73	55-167	
2-Hexanone	ug/L	40	29.8	74	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	31.6	79	70-130	
Acetone	ug/L	40	28.7	72	40-150	
Acetonitrile	ug/L	200	147	74	63-138	
Acrolein	ug/L	200	184	92	44-170	
Acrylonitrile	ug/L	200	160	80	70-130	
Allyl chloride	ug/L	20	17.4	87	70-130	
Benzene	ug/L	20	19.1	96	70-130	
Bromochloromethane	ug/L	20	20.9	104	70-130	

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

LABORATORY CONTROL SAMPLE: 902098

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	20	18.2	91	70-130	
Bromoform	ug/L	20	19.6	98	68-130	
Bromomethane	ug/L	20	21.8	109	38-179	
Carbon disulfide	ug/L	20	18.4	92	51-155	
Carbon tetrachloride	ug/L	20	18.6	93	70-130	
Chlorobenzene	ug/L	20	19.8	99	70-130	
Chloroethane	ug/L	20	16.6	83	59-149	
Chloroform	ug/L	20	18.8	94	70-130	
Chloromethane	ug/L	20	22.0	110	68-130	
Chloroprene	ug/L	20	16.8	84	70-130	
cis-1,2-Dichloroethene	ug/L	20	17.9	90	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.2	96	70-130	
Dibromochloromethane	ug/L	20	19.6	98	70-130	
Dibromomethane	ug/L	20	19.0	95	70-130	
Dichlorodifluoromethane	ug/L	20	16.8	84	67-130	
Ethyl methacrylate	ug/L	20	16.4	82	70-130	
Ethylbenzene	ug/L	20	19.3	97	70-130	
Hexachloro-1,3-butadiene	ug/L	20	18.2	91	70-130	
Iodomethane	ug/L	40	37.0	93	43-160	
Isobutyl Alcohol	ug/L	400	271	68	66-135	
Methacrylonitrile	ug/L	200	162	81	70-130	
Methyl methacrylate	ug/L	20	16.7	84	70-130	
Methylene Chloride	ug/L	20	18.5	93	70-130	
Propionitrile	ug/L	200	163	82	70-130	
Styrene	ug/L	20	20.0	100	70-130	
Tetrachloroethene	ug/L	20	16.4	82	66-133	
Toluene	ug/L	20	20.1	100	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.6	93	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.1	95	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	16.8	84	65-130	
Trichloroethene	ug/L	20	19.5	98	70-130	
Trichlorofluoromethane	ug/L	20	17.0	85	70-131	
Vinyl acetate	ug/L	20	16.5	82	69-135	
Vinyl chloride	ug/L	20	18.4	92	69-140	
Xylene (Total)	ug/L	60	57.9	96	70-130	
1,2-Dichloroethane-d4 (S)	%			94	86-125	
4-Bromofluorobenzene (S)	%			106	70-114	
Toluene-d8 (S)	%			104	87-113	

MATRIX SPIKE SAMPLE: 902099

Parameter	Units	35136197001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	20.6	103	39-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	22.3	111	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	18.6	93	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	19.5	97	50-130	
1,1-Dichloroethane	ug/L	0.50U	20	20.7	103	54-137	

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

MATRIX SPIKE SAMPLE: 902099

Parameter	Units	35136197001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	0.50U	20	20.0	100	45-155	
1,1-Dichloropropene	ug/L	0.50U	20	21.1	105	61-141	
1,2,3-Trichloropropane	ug/L	0.59U	20	20.8	104	31-132	
1,2,4-Trichlorobenzene	ug/L	0.50U	20	22.1	110	34-138	
1,2-Dichloroethane	ug/L	0.50U	20	19.5	97	54-130	
1,2-Dichloropropane	ug/L	0.50U	20	18.1	90	53-130	
1,3-Dichloropropane	ug/L	0.50U	20	19.9	99	59-127	
2,2-Dichloropropane	ug/L	0.50U	20	21.2	106	24-133	
2-Butanone (MEK)	ug/L	5.0U	40	34.1	85	48-138	
2-Hexanone	ug/L	5.0U	40	38.8	97	38-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	36.4	91	28-143	
Acetone	ug/L	10.0U	40	44.1	99	20-140	
Acetonitrile	ug/L	5.0U	200	179	89	44-138	
Acrolein	ug/L	10.0U	200	191	96	20-159	
Acrylonitrile	ug/L	5.0U	200	179	90	46-130	
Allyl chloride	ug/L	0.50U	20	20.1	101	53-148	
Benzene	ug/L	0.10U	20	20.4	102	53-132	
Bromochloromethane	ug/L	0.50U	20	21.4	107	54-132	
Bromodichloromethane	ug/L	0.27U	20	19.5	97	46-130	
Bromoform	ug/L	0.50U	20	18.6	93	32-130	
Bromomethane	ug/L	0.50U	20	14.9	74	20-152	
Carbon disulfide	ug/L	5.0U	20	21.0	103	28-184	
Carbon tetrachloride	ug/L	0.50U	20	21.7	108	37-137	
Chlorobenzene	ug/L	0.50U	20	20.9	105	46-130	
Chloroethane	ug/L	0.50U	20	22.4	112	48-159	
Chloroform	ug/L	0.50U	20	19.5	97	51-130	
Chloromethane	ug/L	0.62U	20	20.7	104	39-144	
Chloroprene	ug/L	0.50U	20	19.6	98	39-157	
cis-1,2-Dichloroethene	ug/L	0.50U	20	20.0	100	54-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	19.6	98	45-130	
Dibromochloromethane	ug/L	0.26U	20	19.5	97	43-130	
Dibromomethane	ug/L	0.50U	20	20.0	100	50-130	
Dichlorodifluoromethane	ug/L	0.50U	20	24.0	120	38-151	
Ethyl methacrylate	ug/L	0.50U	20	19.3	96	45-132	
Ethylbenzene	ug/L	0.50U	20	20.4	102	43-130	
Hexachloro-1,3-butadiene	ug/L	0.40U	20	20.8	104	35-136	
Iodomethane	ug/L	0.50U	40	31.9	80	20-169	
Isobutyl Alcohol	ug/L	10.0U	400	378	95	20-175	
Methacrylonitrile	ug/L	5.0U	200	185	93	50-149	
Methyl methacrylate	ug/L	5.0U	20	20.3	102	48-130	
Methylene Chloride	ug/L	2.5U	20	19.6	98	51-135	
Propionitrile	ug/L	5.0U	200	195	97	54-130	
Styrene	ug/L	0.50U	20	20.2	101	40-130	
Tetrachloroethene	ug/L	0.50U	20	17.7	89	26-130	
Toluene	ug/L	0.50U	20	21.5	108	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	19.6	98	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	19.0	95	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	15.6	78	20-139	

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

MATRIX SPIKE SAMPLE: 902099

Parameter	Units	35136197001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/L	0.50U	20	20.0	100	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	22.0	110	46-146	
Vinyl acetate	ug/L	1.0U	20	16.4	82	20-165	
Vinyl chloride	ug/L	0.50U	20	19.6	98	57-142	
Xylene (Total)	ug/L	0.50U	60	61.2	102	42-130	
1,2-Dichloroethane-d4 (S)	%				86	86-125	
4-Bromofluorobenzene (S)	%				108	70-114	
Toluene-d8 (S)	%				99	87-113	

SAMPLE DUPLICATE: 902100

Parameter	Units	35136212001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,1-Dichloropropene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.59U	0.59U		40	
1,2,4-Trichlorobenzene	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane	ug/L	0.50U	0.50U		40	
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,3-Dichloropropane	ug/L	0.50U	0.50U		40	
2,2-Dichloropropane	ug/L	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	10.0U	10.0U		40	
Acetonitrile	ug/L	5.0U	5.0U		40	
Acrolein	ug/L	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Allyl chloride	ug/L	0.50U	0.50U		40	
Benzene	ug/L	0.10U	0.10U		40	
Bromochloromethane	ug/L	0.50U	0.50U		40	
Bromodichloromethane	ug/L	0.27U	0.27U		40	
Bromoform	ug/L	0.50U	0.50U		40	
Bromomethane	ug/L	0.50U	0.50U		40	
Carbon disulfide	ug/L	5.0U	5.0U		40	
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	0.50U	0.50U		40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	
Chloromethane	ug/L	0.62U	0.62U		40	
Chloroprene	ug/L	0.50U	0.50U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

SAMPLE DUPLICATE: 902100

Parameter	Units	35136212001 Result	Dup Result	RPD	Max RPD	Qualifiers
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Dichlorodifluoromethane	ug/L	0.50U	0.50U		40	
Ethyl methacrylate	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Hexachloro-1,3-butadiene	ug/L	0.40U	0.40U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Isobutyl Alcohol	ug/L	10.0U	10.0U		40	
Methacrylonitrile	ug/L	5.0U	5.0U		40	
Methyl methacrylate	ug/L	5.0U	5.0U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Propionitrile	ug/L	5.0U	5.0U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.50U	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane-d4 (S)	%	98	96	2		
4-Bromofluorobenzene (S)	%	104	107	3		
Toluene-d8 (S)	%	103	99	4		

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

QC Batch: OEXT/17221 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35136212001

METHOD BLANK: 897073 Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	05/09/14 19:31	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	05/09/14 19:31	

LABORATORY CONTROL SAMPLE: 897074

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.29	116	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.29	117	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 897483 897484

Parameter	Units	35136283001 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	0.0053 U	.44	.44	0.0086U	0.0086U	0	0	60-140		40	J(M1)
1,2-Dibromoethane (EDB)	ug/L	0.0067 U	.44	.44	0.011U	0.011U	0	0	60-140		40	J(M1)

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

QC Batch: OEXT/17180
QC Batch Method: EPA 3510
Analysis Method: EPA 8081
Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 35136212001

METHOD BLANK: 894665
Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	0.0019U	0.010	05/07/14 13:03	
4,4'-DDE	ug/L	0.00090U	0.010	05/07/14 13:03	
4,4'-DDT	ug/L	0.0036U	0.010	05/07/14 13:03	
Aldrin	ug/L	0.00050U	0.010	05/07/14 13:03	
alpha-BHC	ug/L	0.00030U	0.010	05/07/14 13:03	
beta-BHC	ug/L	0.00050U	0.010	05/07/14 13:03	
Chlordane (Technical)	ug/L	0.080U	0.50	05/07/14 13:03	
Chlorobenzilate	ug/L	0.021U	0.10	05/07/14 13:03	
delta-BHC	ug/L	0.00040U	0.010	05/07/14 13:03	
Dieldrin	ug/L	0.00050U	0.010	05/07/14 13:03	
Endosulfan I	ug/L	0.00070U	0.010	05/07/14 13:03	
Endosulfan II	ug/L	0.00070U	0.010	05/07/14 13:03	
Endosulfan sulfate	ug/L	0.00060U	0.10	05/07/14 13:03	
Endrin	ug/L	0.0017U	0.010	05/07/14 13:03	
Endrin aldehyde	ug/L	0.0071U	0.10	05/07/14 13:03	
gamma-BHC (Lindane)	ug/L	0.00020U	0.010	05/07/14 13:03	
Heptachlor	ug/L	0.0015U	0.010	05/07/14 13:03	
Heptachlor epoxide	ug/L	0.00040U	0.010	05/07/14 13:03	
Methoxychlor	ug/L	0.0070U	0.010	05/07/14 13:03	
Pentachloronitrobenzene	ug/L	0.015U	0.10	05/07/14 13:03	
Toxaphene	ug/L	0.28U	0.50	05/07/14 13:03	
Decachlorobiphenyl (S)	%	93	41.7-109.1	05/07/14 13:03	
Tetrachloro-m-xylene (S)	%	76	66.5-120.3	05/07/14 13:03	

LABORATORY CONTROL SAMPLE: 894666

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.5	0.57	115	65-133	
4,4'-DDE	ug/L	.5	0.47	93	63-138	
4,4'-DDT	ug/L	.5	0.54	107	44-154	
Aldrin	ug/L	.5	0.27	54	50-130	
alpha-BHC	ug/L	.5	0.43	86	44-130	
beta-BHC	ug/L	.5	0.46	92	65-130	
delta-BHC	ug/L	.5	0.45	90	10-140	
Dieldrin	ug/L	.5	0.49	98	63-130	
Endosulfan I	ug/L	.5	0.46	92	65-130	
Endosulfan II	ug/L	.5	0.50	100	67-131	
Endosulfan sulfate	ug/L	.5	0.51	102	43-134	
Endrin	ug/L	.5	0.51	102	62-133	
Endrin aldehyde	ug/L	.5	0.48	96	59-135	
gamma-BHC (Lindane)	ug/L	.5	0.45	90	51-130	

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

LABORATORY CONTROL SAMPLE: 894666

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Heptachlor	ug/L	.5	0.42	83	55-130	
Heptachlor epoxide	ug/L	.5	0.47	94	65-130	
Methoxychlor	ug/L	.5	0.57	114	47-156	
Decachlorobiphenyl (S)	%			91	41.7-109.1	
Tetrachloro-m-xylene (S)	%			63	66.5-120.3	P2,S7

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 894849 894850

Parameter	Units	35136197001 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	0.0020 U	1	1	1.1	1.1	114	112	65-133	2	40	
4,4'-DDE	ug/L	0.00094 U	1	1	1.0	1.0	103	102	63-138	1	40	
4,4'-DDT	ug/L	0.0038 U	1	1	1.2	1.2	123	123	44-154	.04	40	
Aldrin	ug/L	0.00052 U	1	1	0.80	0.81	80	81	50-130	.4	40	
alpha-BHC	ug/L	0.00031 U	1	1	1.0	1.0	103	100	44-130	3	40	
beta-BHC	ug/L	0.011	1	1	1.0	0.98	99	97	65-130	2	40	
delta-BHC	ug/L	0.00042 U	1	1	0.99	0.99	99	99	10-140	.07	40	
Dieldrin	ug/L	0.00052 U	1	1	1.1	1.1	106	105	63-130	.1	40	
Endosulfan I	ug/L	0.00073 U	1	1	1.0	0.99	100	99	65-130	.9	40	
Endosulfan II	ug/L	0.00073 U	1	1	1.1	1.1	107	108	67-131	.7	40	
Endosulfan sulfate	ug/L	0.00063 U	1	1	1.1	1.1	111	112	43-134	1	40	
Endrin	ug/L	0.0018 U	1	1	1.1	1.1	110	111	62-133	.9	40	
Endrin aldehyde	ug/L	0.0074 U	1	1	1.0	1.0	103	103	59-135	.6	40	
gamma-BHC (Lindane)	ug/L	0.00021 U	1	1	1.0	1.0	104	102	51-130	2	40	
Heptachlor	ug/L	0.0016 U	1	1	1.0	0.97	102	97	55-130	5	40	
Heptachlor epoxide	ug/L	0.00042 U	1	1	1.0	1.0	102	101	65-130	1	40	
Methoxychlor	ug/L	0.0073 U	1	1	1.3	1.3	126	128	47-156	2	40	
Decachlorobiphenyl (S)	%						80	82	41.7-109			
Tetrachloro-m-xylene (S)	%						77	71	66.5-120			

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

QC Batch: OEXT/17181 Analysis Method: EPA 8082
QC Batch Method: EPA 3510 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 35136212001

METHOD BLANK: 894667 Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	0.080U	0.50	05/07/14 10:25	
PCB-1221 (Aroclor 1221)	ug/L	0.081U	0.50	05/07/14 10:25	
PCB-1232 (Aroclor 1232)	ug/L	0.12U	0.50	05/07/14 10:25	
PCB-1242 (Aroclor 1242)	ug/L	0.13U	0.50	05/07/14 10:25	
PCB-1248 (Aroclor 1248)	ug/L	0.28U	0.50	05/07/14 10:25	
PCB-1254 (Aroclor 1254)	ug/L	0.14U	0.50	05/07/14 10:25	
PCB-1260 (Aroclor 1260)	ug/L	0.11U	0.50	05/07/14 10:25	
Decachlorobiphenyl (S)	%	94	63-121	05/07/14 10:25	
Tetrachloro-m-xylene (S)	%	73	48-111	05/07/14 10:25	

LABORATORY CONTROL SAMPLE: 894668

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	2.5	2.1	83	50-114	
PCB-1260 (Aroclor 1260)	ug/L	2.5	2.2	89	10-127	
Decachlorobiphenyl (S)	%			86	63-121	
Tetrachloro-m-xylene (S)	%			67	48-111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 894853 894854

Parameter	Units	35136386001 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	0.081U	5	5	4.0	4.4	81	88	50-114	8	40	
PCB-1260 (Aroclor 1260)	ug/L	0.11U	5	5	3.9	4.0	77	79	10-127	3	40	
Decachlorobiphenyl (S)	%						53	53	63-121			P2,S7
Tetrachloro-m-xylene (S)	%						64	71	48-111			

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

QC Batch: OEXT/17215
QC Batch Method: EPA 3510
Analysis Method: EPA 8141
Analysis Description: 8141 GCS, O/P Pesticides
Associated Lab Samples: 35136212001

METHOD BLANK: 896820
Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dimethoate	ug/L	0.24U	0.50	05/08/14 14:49	
Disulfoton	ug/L	0.26U	0.50	05/08/14 14:49	
Famphur	ug/L	0.29U	0.50	05/08/14 14:49	
Methyl parathion	ug/L	0.27U	0.50	05/08/14 14:49	
Parathion (Ethyl parathion)	ug/L	0.47U	1.0	05/08/14 14:49	
Phorate	ug/L	0.42U	1.0	05/08/14 14:49	
4-Chloro3nitrobenzotrifluoride	%	59	34.2-122	05/08/14 14:49	

LABORATORY CONTROL SAMPLE: 896821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dimethoate	ug/L	2	1.6	81	59.8-116.4	
Disulfoton	ug/L	2	2.2	110	66.9-116.2	
Famphur	ug/L	2	2.3	116	56.3-133	
Methyl parathion	ug/L	2	2.6	130	67.3-119.6	
Parathion (Ethyl parathion)	ug/L	4	5.2	131	70-130	
Phorate	ug/L	4	4.7	117	58-119.3	
4-Chloro3nitrobenzotrifluoride	%			88	34.2-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 896893 896894

Parameter	Units	35136685001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dimethoate	ug/L	0.24U	4	4	3.1	2.7	77	69	59.8-116	11	40	
Disulfoton	ug/L	0.25U	4	4	3.5	3.1	88	78	66.9-116	13	40	
Famphur	ug/L	0.29U	4	4	3.5	3.2	89	79	56.3-133	11	40	
Methyl parathion	ug/L	0.26U	4	4	4.0	3.6	101	90	67.3-119	11	40	
Parathion (Ethyl parathion)	ug/L	0.47U	8	8	7.4	6.9	92	87	70-130	6	40	
Phorate	ug/L	0.41U	8	8	7.2	6.3	90	79	58-119.3	13	40	
4-Chloro3nitrobenzotrifluoride	%						67	78	34.2-122			

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

QC Batch: OEXT/17207
QC Batch Method: EPA 8151
Associated Lab Samples: 35136212001

Analysis Method: EPA 8151
Analysis Description: 8151A GCS Herbicides

METHOD BLANK: 896160 Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/L	0.042U	0.19	05/09/14 01:39	
2,4,5-TP (Silvex)	ug/L	0.049U	0.19	05/09/14 01:39	
2,4-D	ug/L	0.22U	0.94	05/09/14 01:39	
Dinoseb	ug/L	0.057U	0.19	05/09/14 01:39	
Pentachlorophenol	ug/L	0.017U	0.028	05/09/14 01:39	
2,4-DCAA (S)	%	82	65.5-125.7	05/09/14 01:39	

LABORATORY CONTROL SAMPLE & LCSD: 896161 896736

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,4,5-T	ug/L	1.2	1.2	1.2	99	100	66.7-116.	.5	40	
2,4,5-TP (Silvex)	ug/L	1.2	1.2	1.2	101	99	65.6-127.	2	40	
2,4-D	ug/L	6	5.4	5.5	91	91	62-135.6	.2	40	
Dinoseb	ug/L	1.2	0.90	0.96	75	80	44-111.8	7	40	
Pentachlorophenol	ug/L	.18	0.22	0.21	122	117	55.5-114	4	40	
2,4-DCAA (S)	%				94	88	65.5-125.			

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

QC Batch: OEXT/17204 | Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3510 | Analysis Description: 8270 Water PAHLV by SIM MSSV
Associated Lab Samples: 35136212001

METHOD BLANK: 896001 | Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	1.0U	2.0	05/08/14 08:29	
2-Methylnaphthalene	ug/L	1.0U	2.0	05/08/14 08:29	
Acenaphthene	ug/L	0.025U	0.10	05/08/14 08:29	
Acenaphthylene	ug/L	0.025U	0.10	05/08/14 08:29	
Anthracene	ug/L	0.025U	0.10	05/08/14 08:29	
Benzo(a)anthracene	ug/L	0.025U	0.10	05/08/14 08:29	
Benzo(a)pyrene	ug/L	0.025U	0.10	05/08/14 08:29	
Benzo(b)fluoranthene	ug/L	0.025U	0.10	05/08/14 08:29	
Benzo(g,h,i)perylene	ug/L	0.025U	0.10	05/08/14 08:29	
Benzo(k)fluoranthene	ug/L	0.025U	0.10	05/08/14 08:29	
Chrysene	ug/L	0.025U	0.10	05/08/14 08:29	
Dibenz(a,h)anthracene	ug/L	0.025U	0.10	05/08/14 08:29	
Fluoranthene	ug/L	0.025U	0.10	05/08/14 08:29	
Fluorene	ug/L	0.025U	0.10	05/08/14 08:29	
Indeno(1,2,3-cd)pyrene	ug/L	0.025U	0.10	05/08/14 08:29	
Naphthalene	ug/L	1.0U	2.0	05/08/14 08:29	
Phenanthrene	ug/L	0.025U	0.10	05/08/14 08:29	
Pyrene	ug/L	0.025U	0.10	05/08/14 08:29	
2-Fluorobiphenyl (S)	%	68	18-110	05/08/14 08:29	
Terphenyl-d14 (S)	%	116	18-123	05/08/14 08:29	

LABORATORY CONTROL SAMPLE: 896002

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	5	3.4	68	21-133	
2-Methylnaphthalene	ug/L	5	3.4	69	21-133	
Acenaphthene	ug/L	5	3.4	68	47-145	
Acenaphthylene	ug/L	5	3.2	64	33-145	
Anthracene	ug/L	5	3.9	77	27-133	
Benzo(a)anthracene	ug/L	5	4.7	93	33-143	
Benzo(a)pyrene	ug/L	5	4.2	84	17-163	
Benzo(b)fluoranthene	ug/L	5	4.5	89	24-159	
Benzo(g,h,i)perylene	ug/L	5	4.6	91	10-219	
Benzo(k)fluoranthene	ug/L	5	5.1	102	11-162	
Chrysene	ug/L	5	5.5	109	17-168	
Dibenz(a,h)anthracene	ug/L	5	4.4	88	10-227	
Fluoranthene	ug/L	5	5.2	103	26-137	
Fluorene	ug/L	5	4.0	81	59-130	
Indeno(1,2,3-cd)pyrene	ug/L	5	4.7	95	10-171	
Naphthalene	ug/L	5	3.0	60	21-133	
Phenanthrene	ug/L	5	4.2	83	54-130	

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

LABORATORY CONTROL SAMPLE: 896002

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/L	5	5.2	104	52-130	
2-Fluorobiphenyl (S)	%			74	18-110	
Terphenyl-d14 (S)	%			110	18-123	

MATRIX SPIKE SAMPLE: 896097

Parameter	Units	35136345002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	1.0U	5	3.4	64	21-133	
2-Methylnaphthalene	ug/L	1.0U	5	3.5	66	21-133	
Acenaphthene	ug/L	0.025U	5	3.2	64	47-145	
Acenaphthylene	ug/L	0.025U	5	3.2	65	33-145	
Anthracene	ug/L	0.025U	5	3.9	78	27-133	
Benzo(a)anthracene	ug/L	0.025U	5	4.7	94	33-143	
Benzo(a)pyrene	ug/L	0.033 I	5	4.5	90	17-163	
Benzo(b)fluoranthene	ug/L	0.033 I	5	4.5	89	24-159	
Benzo(g,h,i)perylene	ug/L	0.025U	5	4.8	96	10-219	
Benzo(k)fluoranthene	ug/L	0.025U	5	5.2	104	11-162	
Chrysene	ug/L	0.032 I	5	5.9	117	17-168	
Dibenz(a,h)anthracene	ug/L	0.025U	5	5.0	101	10-227	
Fluoranthene	ug/L	0.025U	5	5.0	100	26-137	
Fluorene	ug/L	0.025U	5	3.9	78	59-130	
Indeno(1,2,3-cd)pyrene	ug/L	0.025U	5	5.1	102	10-171	
Naphthalene	ug/L	1.0U	5	3.2	56	21-133	
Phenanthrene	ug/L	0.025U	5	4.0	79	54-130	
Pyrene	ug/L	0.025U	5	5.1	103	52-130	
2-Fluorobiphenyl (S)	%				71	18-110	
Terphenyl-d14 (S)	%				107	18-123	

SAMPLE DUPLICATE: 896098

Parameter	Units	35136345003 Result	Dup Result	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	1.0U	1.0U		40	
2-Methylnaphthalene	ug/L	1.0U	1.0U		40	
Acenaphthene	ug/L	0.025U	0.025U		40	
Acenaphthylene	ug/L	0.025U	0.025U		40	
Anthracene	ug/L	0.025U	0.025U		40	
Benzo(a)anthracene	ug/L	0.025U	0.025U		40	
Benzo(a)pyrene	ug/L	0.025U	0.072 I		40	
Benzo(b)fluoranthene	ug/L	0.025U	0.042 I		40	
Benzo(g,h,i)perylene	ug/L	0.025U	0.025U		40	
Benzo(k)fluoranthene	ug/L	0.025U	0.045 I		40	
Chrysene	ug/L	0.025U	0.044 I		40	
Dibenz(a,h)anthracene	ug/L	0.025U	0.025U		40	
Fluoranthene	ug/L	0.025U	0.025U		40	
Fluorene	ug/L	0.025U	0.025U		40	

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

SAMPLE DUPLICATE: 896098

Parameter	Units	35136345003 Result	Dup Result	RPD	Max RPD	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/L	0.025U	0.025U		40	
Naphthalene	ug/L	1.0U	1.0U		40	
Phenanthrene	ug/L	0.025U	0.025U		40	
Pyrene	ug/L	0.025U	0.025U		40	
2-Fluorobiphenyl (S)	%	61	61	.3		
Terphenyl-d14 (S)	%	105	90	15		

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

QC Batch: OEXT/27462
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 Water MSSV
Associated Lab Samples: 35136212001

METHOD BLANK: 1192154
Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	1.3U	10.0	05/13/14 12:16	
1,2-Dichlorobenzene	ug/L	0.71U	10.0	05/12/14 12:24	
1,3,5-Trinitrobenzene	ug/L	0.83U	10.0	05/13/14 12:16	
1,3-Dichlorobenzene	ug/L	0.78U	10.0	05/12/14 12:24	
1,3-Dinitrobenzene	ug/L	0.81U	20.0	05/13/14 12:16	
1,4-Dichlorobenzene	ug/L	0.81U	10.0	05/12/14 12:24	
1,4-Naphthoquinone	ug/L	0.84U	5.0	05/13/14 12:16	
1-Naphthalenamine	ug/L	0.54U	5.0	05/13/14 12:16	
2,3,4,6-Tetrachlorophenol	ug/L	1.6U	10.0	05/12/14 12:24	
2,4,5-Trichlorophenol	ug/L	1.0U	10.0	05/12/14 12:24	
2,4,6-Trichlorophenol	ug/L	0.85U	10.0	05/12/14 12:24	
2,4-Dichlorophenol	ug/L	0.85U	10.0	05/12/14 12:24	
2,4-Dimethylphenol	ug/L	0.96U	10.0	05/12/14 12:24	
2,4-Dinitrophenol	ug/L	2.5U	50.0	05/12/14 12:24	
2,4-Dinitrotoluene	ug/L	0.92U	10.0	05/12/14 12:24	
2,6-Dichlorophenol	ug/L	1.7U	10.0	05/13/14 12:16	
2,6-Dinitrotoluene	ug/L	2.1U	10.0	05/12/14 12:24	
2-Acetylaminofluorene	ug/L	0.31U	20.0	05/13/14 12:16	
2-Chloronaphthalene	ug/L	1.0U	10.0	05/12/14 12:24	
2-Chlorophenol	ug/L	1.0U	10.0	05/12/14 12:24	
2-Methylnaphthalene	ug/L	1.0U	10.0	05/12/14 12:24	
2-Methylphenol(o-Cresol)	ug/L	1.0U	10.0	05/12/14 12:24	
2-Naphthalenamine	ug/L	0.87U	5.0	05/13/14 12:16	
2-Nitroaniline	ug/L	1.5U	50.0	05/12/14 12:24	
2-Nitrophenol	ug/L	0.71U	10.0	05/12/14 12:24	
3&4-Methylphenol(m&p Cresol)	ug/L	1.0U	10.0	05/12/14 12:24	
3,3'-Dichlorobenzidine	ug/L	0.69U	20.0	05/12/14 12:24	
3,3'-Dimethylbenzidine	ug/L	0.74U	10.0	05/13/14 12:16	
3-Methylcholanthrene	ug/L	0.37U	10.0	05/13/14 12:16	
3-Nitroaniline	ug/L	1.3U	50.0	05/12/14 12:24	
4,6-Dinitro-2-methylphenol	ug/L	1.1U	20.0	05/12/14 12:24	
4-Aminobiphenyl	ug/L	0.32U	10.0	05/13/14 12:16	
4-Bromophenylphenyl ether	ug/L	1.0U	10.0	05/12/14 12:24	
4-Chloro-3-methylphenol	ug/L	2.0U	20.0	05/12/14 12:24	
4-Chloroaniline	ug/L	1.6U	20.0	05/12/14 12:24	
4-Chlorophenylphenyl ether	ug/L	1.1U	10.0	05/12/14 12:24	
4-Nitroaniline	ug/L	1.6U	20.0	05/12/14 12:24	
4-Nitrophenol	ug/L	3.9U	50.0	05/12/14 12:24	
5-Nitro-o-toluidine	ug/L	1.0U	10.0	05/13/14 12:16	
7,12-Dimethylbenz(a)anthracene	ug/L	0.51U	10.0	05/13/14 12:16	
a,a-Dimethylphenylethylamine	ug/L	1.5U	50.0	05/13/14 12:16	
Acenaphthene	ug/L	1.1U	10.0	05/12/14 12:24	
Acenaphthylene	ug/L	0.99U	10.0	05/12/14 12:24	

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

METHOD BLANK: 1192154 Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acetophenone	ug/L	0.83U	10.0	05/12/14 12:24	
Anthracene	ug/L	0.47U	10.0	05/12/14 12:24	
Benzo(a)anthracene	ug/L	0.47U	10.0	05/12/14 12:24	
Benzo(a)pyrene	ug/L	0.57U	10.0	05/12/14 12:24	
Benzo(b)fluoranthene	ug/L	0.44U	10.0	05/12/14 12:24	
Benzo(g,h,i)perylene	ug/L	0.45U	10.0	05/12/14 12:24	
Benzo(k)fluoranthene	ug/L	0.53U	10.0	05/12/14 12:24	
Benzyl alcohol	ug/L	2.1U	20.0	05/12/14 12:24	
bis(2-Chloroethoxy)methane	ug/L	1.3U	10.0	05/12/14 12:24	
bis(2-Chloroethyl) ether	ug/L	0.89U	10.0	05/12/14 12:24	
bis(2-Chloroisopropyl) ether	ug/L	0.86U	10.0	05/12/14 12:24	
bis(2-Ethylhexyl)phthalate	ug/L	0.49U	6.0	05/12/14 12:24	
Butylbenzylphthalate	ug/L	0.48U	10.0	05/12/14 12:24	
Chrysene	ug/L	0.49U	10.0	05/12/14 12:24	
Di-n-butylphthalate	ug/L	0.37U	10.0	05/12/14 12:24	
Di-n-octylphthalate	ug/L	0.12U	10.0	05/12/14 12:24	
Diallate	ug/L	0.96U	10.0	05/13/14 12:16	
Dibenz(a,h)anthracene	ug/L	0.49U	10.0	05/12/14 12:24	
Dibenzofuran	ug/L	1.0U	10.0	05/12/14 12:24	
Diethylphthalate	ug/L	0.91U	10.0	05/12/14 12:24	
Dimethylphthalate	ug/L	0.62U	10.0	05/12/14 12:24	
Ethyl methanesulfonate	ug/L	1.3U	20.0	05/13/14 12:16	
Fluoranthene	ug/L	0.41U	10.0	05/12/14 12:24	
Fluorene	ug/L	1.0U	10.0	05/12/14 12:24	
Hexachlorobenzene	ug/L	0.76U	10.0	05/12/14 12:24	
Hexachlorocyclopentadiene	ug/L	1.1U	10.0	05/12/14 12:24	
Hexachloroethane	ug/L	0.90U	10.0	05/12/14 12:24	
Hexachloropropene	ug/L	1.4U	10.0	05/13/14 12:16	
Indeno(1,2,3-cd)pyrene	ug/L	0.53U	10.0	05/12/14 12:24	
Isodrin	ug/L	0.75U	20.0	05/13/14 12:16	
Isophorone	ug/L	0.92U	10.0	05/12/14 12:24	
Isosafrole	ug/L	1.2U	10.0	05/13/14 12:16	
Kepone	ug/L	1.6U	10.0	05/13/14 12:16	
Methapyrilene	ug/L	1.3U	50.0	05/13/14 12:16	
Methyl methanesulfonate	ug/L	1.2U	5.0	05/13/14 12:16	
N-Nitroso-di-n-butylamine	ug/L	1.3U	10.0	05/13/14 12:16	
N-Nitroso-di-n-propylamine	ug/L	0.85U	10.0	05/12/14 12:24	
N-Nitrosodiethylamine	ug/L	0.91U	20.0	05/13/14 12:16	
N-Nitrosodimethylamine	ug/L	0.94U	10.0	05/12/14 12:24	
N-Nitrosodiphenylamine	ug/L	0.64U	10.0	05/12/14 12:24	
N-Nitrosomethylethylamine	ug/L	0.61U	10.0	05/13/14 12:16	
N-Nitrosopiperidine	ug/L	1.2U	20.0	05/13/14 12:16	
N-Nitrosopyrrolidine	ug/L	1.1U	10.0	05/13/14 12:16	
Naphthalene	ug/L	0.93U	10.0	05/12/14 12:24	
Nitrobenzene	ug/L	1.0U	10.0	05/12/14 12:24	
O,O,O-Triethylphosphorothioate	ug/L	1.4U	10.0	05/13/14 12:16	
O-Toluidine	ug/L	0.72U	10.0	05/13/14 12:16	

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

METHOD BLANK: 1192154 Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
P-Dimethylaminoazobenzene	ug/L	0.23U	5.0	05/13/14 12:16	
p-Phenylenediamine	ug/L	0.96U	10.0	05/13/14 12:16	
Pentachlorobenzene	ug/L	1.5U	10.0	05/13/14 12:16	
Phenacetin	ug/L	0.54U	20.0	05/13/14 12:16	
Phenanthrene	ug/L	0.53U	10.0	05/12/14 12:24	
Phenol	ug/L	1.1U	10.0	05/12/14 12:24	
Pronamide	ug/L	0.58U	10.0	05/13/14 12:16	
Pyrene	ug/L	0.49U	10.0	05/12/14 12:24	
Safrole	ug/L	1.4U	10.0	05/13/14 12:16	
Thionazin	ug/L	0.86U	20.0	05/13/14 12:16	
2,4,6-Tribromophenol (S)	%	72	27-110	05/12/14 12:24	
2-Fluorobiphenyl (S)	%	79	27-110	05/12/14 12:24	
2-Fluorophenol (S)	%	40	12-110	05/12/14 12:24	
Nitrobenzene-d5 (S)	%	70	21-110	05/12/14 12:24	
Phenol-d6 (S)	%	31	10-110	05/12/14 12:24	
Terphenyl-d14 (S)	%	85	31-107	05/12/14 12:24	

LABORATORY CONTROL SAMPLE & LCSD: 1192155 1192156

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	50	40.5	34.7	81	69	17-115	15	30	
1,2-Dichlorobenzene	ug/L	50	38.3	34.4	77	69	10-110	11	30	
1,3,5-Trinitrobenzene	ug/L	50	44.3	42.0	89	84	17-115	5	30	
1,3-Dichlorobenzene	ug/L	50	35.8	32.5	72	65	10-110	10	30	
1,3-Dinitrobenzene	ug/L	50	44.9	44.5	90	89	17-115	1	30	
1,4-Dichlorobenzene	ug/L	50	38.1	34.1	76	68	10-110	11	30	
1,4-Naphthoquinone	ug/L	50	32.5	32.4	65	65	17-115	0	30	
1-Naphthalenamine	ug/L	50	28.9	26.7	58	53	17-115	8	30	
2,3,4,6-Tetrachlorophenol	ug/L	50	85.9	85.0	172	170	17-115	1	30	L3
2,4,5-Trichlorophenol	ug/L	50	42.8	41.6	86	83	23-116	3	30	
2,4,6-Trichlorophenol	ug/L	50	41.4	39.2	83	78	21-114	5	30	
2,4-Dichlorophenol	ug/L	50	36.0	33.6	72	67	22-120	7	30	
2,4-Dimethylphenol	ug/L	50	35.4	31.5	71	63	15-109	12	30	
2,4-Dinitrophenol	ug/L	250	200	212	80	85	10-103	5	30	
2,4-Dinitrotoluene	ug/L	50	44.1	44.1	88	88	24-119	0	30	
2,6-Dichlorophenol	ug/L	50	40.7	38.2	81	76	17-115	6	30	
2,6-Dinitrotoluene	ug/L	50	45.9	45.1	92	90	25-116	2	30	
2-Acetylaminofluorene	ug/L	50	52.2	49.8	104	100	17-115	5	30	
2-Chloronaphthalene	ug/L	50	48.1	43.7	96	87	18-110	9	30	
2-Chlorophenol	ug/L	50	42.0	36.7	84	73	10-104	14	30	
2-Methylnaphthalene	ug/L	50	34.6	32.0	69	64	16-110	8	30	
2-Methylphenol(o-Cresol)	ug/L	50	42.5	35.9	85	72	13-110	17	30	
2-Naphthalenamine	ug/L	50	33.9	29.4	68	59	17-115	14	30	
2-Nitroaniline	ug/L	100	92.9	89.8	93	90	20-117	3	30	
2-Nitrophenol	ug/L	50	32.5	30.0	65	60	16-108	8	30	

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

LABORATORY CONTROL SAMPLE & LCSD: 1192155 1192156

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
3&4-Methylphenol(m&p Cresol)	ug/L	50	39.2	33.4	78	67	14-110	16	30	
3,3'-Dichlorobenzidine	ug/L	250	83.8	77.9	34	31	13-131	7	30	
3,3'-Dimethylbenzidine	ug/L	100	70.4	42.2	70	42	17-115	50	30	J(R1)
3-Methylcholanthrene	ug/L	50	53.3	50.1	107	100	17-115	6	30	
3-Nitroaniline	ug/L	100	87.4	86.7	87	87	15-117	1	30	
4,6-Dinitro-2-methylphenol	ug/L	100	94.7	95.0	95	95	13-119	0	30	
4-Aminobiphenyl	ug/L	50	28.5	25.2	57	50	17-115	12	30	
4-Bromophenylphenyl ether	ug/L	50	44.6	39.9	89	80	23-120	11	30	
4-Chloro-3-methylphenol	ug/L	100	70.6	70.8	71	71	21-119	0	30	
4-Chloroaniline	ug/L	100	72.4	66.1	72	66	10-122	9	30	
4-Chlorophenylphenyl ether	ug/L	50	43.0	40.5	86	81	22-112	6	30	
4-Nitroaniline	ug/L	100	87.8	91.7	88	92	14-118	4	30	
4-Nitrophenol	ug/L	250	93.0	98.8	37	40	10-110	6	30	
5-Nitro-o-toluidine	ug/L	50	45.7	46.2	91	92	17-115	1	30	
7,12-Dimethylbenz(a)anthracene	ug/L	50	35.2	33.3	70	67	50-150	6	30	
a,a-Dimethylphenylethylamine	ug/L	50	33.6 I	38.6 I	67	77	17-115		30	
Acenaphthene	ug/L	50	42.3	39.2	85	78	20-105	8	30	
Acenaphthylene	ug/L	50	43.2	40.2	86	80	23-106	7	30	
Acetophenone	ug/L	50	51.5	44.4	103	89	17-115	15	30	
Anthracene	ug/L	50	45.0	43.3	90	87	25-120	4	30	
Benzo(a)anthracene	ug/L	50	45.2	42.1	90	84	21-128	7	30	
Benzo(a)pyrene	ug/L	50	46.7	45.7	93	91	25-116	2	30	
Benzo(b)fluoranthene	ug/L	50	46.5	44.0	93	88	23-117	6	30	
Benzo(g,h,i)perylene	ug/L	50	43.7	40.1	87	80	17-128	9	30	
Benzo(k)fluoranthene	ug/L	50	45.9	45.8	92	92	25-127	0	30	
Benzyl alcohol	ug/L	100	89.9	76.0	90	76	10-101	17	30	
bis(2-Chloroethoxy)methane	ug/L	50	41.2	37.1	82	74	19-107	10	30	
bis(2-Chloroethyl) ether	ug/L	50	41.2	36.4	82	73	10-108	12	30	
bis(2-Chloroisopropyl) ether	ug/L	50	42.2	36.5	84	73	10-108	14	30	
bis(2-Ethylhexyl)phthalate	ug/L	50	45.8	43.2	92	86	16-123	6	30	
Butylbenzylphthalate	ug/L	50	45.6	42.9	91	86	20-118	6	30	
Chrysene	ug/L	50	46.6	43.8	93	88	24-125	6	30	
Di-n-butylphthalate	ug/L	50	42.5	44.0	85	88	23-115	4	30	
Di-n-octylphthalate	ug/L	50	40.4	39.8	81	80	20-115	2	30	
Diallate	ug/L	50	43.1	38.6	86	77	17-115	11	30	
Dibenz(a,h)anthracene	ug/L	50	45.0	41.6	90	83	18-131	8	30	
Dibenzofuran	ug/L	50	46.8	43.9	94	88	23-106	6	30	
Diethylphthalate	ug/L	50	39.9	39.3	80	79	24-115	2	30	
Dimethylphthalate	ug/L	50	41.2	39.6	82	79	22-113	4	30	
Ethyl methanesulfonate	ug/L	50	40.9	34.9	82	70	17-115	16	30	
Fluoranthene	ug/L	50	46.5	48.4	93	97	24-125	4	30	
Fluorene	ug/L	50	43.6	41.6	87	83	24-114	4	30	
Hexachlorobenzene	ug/L	50	46.0	42.5	92	85	22-127	8	30	
Hexachlorocyclopentadiene	ug/L	50	42.6	37.4	85	75	10-110	13	30	
Hexachloroethane	ug/L	50	40.8	37.1	82	74	10-110	9	30	
Hexachloropropene	ug/L	50	38.5	34.2	77	68	17-115	12	30	
Indeno(1,2,3-cd)pyrene	ug/L	50	45.6	42.5	91	85	18-130	7	30	
Isodrin	ug/L	50	42.5	42.2	85	84	17-115	1	30	

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

LABORATORY CONTROL SAMPLE & LCSD: 1192155 1192156

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Isophorone	ug/L	50	35.4	32.9	71	66	23-114	7	30	
Isosafrole	ug/L	50	39.7	36.0	79	72	17-115	10	30	
Kepone	ug/L	100	1.6U	1.6U	0	0	17-115		30	J(L2)
Methapyrilene	ug/L	50	39.6 I	27.6 I	79	55	17-115		30	
Methyl methanesulfonate	ug/L	50	32.6	27.3	65	55	17-115	18	30	
N-Nitroso-di-n-butylamine	ug/L	50	38.5	36.9	77	74	17-115	4	30	
N-Nitroso-di-n-propylamine	ug/L	50	40.8	35.8	82	72	21-114	13	30	
N-Nitrosodiethylamine	ug/L	50	42.8	36.9	86	74	17-115	15	30	
N-Nitrosodimethylamine	ug/L	50	22.9	20.2	46	40	10-110	13	30	
N-Nitrosodiphenylamine	ug/L	50	38.3	34.4	77	69	24-123	11	30	
N-Nitrosomethylethylamine	ug/L	50	36.4	31.7	73	63	17-115	14	30	
N-Nitrosopiperidine	ug/L	50	37.3	34.5	75	69	17-115	8	30	
N-Nitrosopyrrolidine	ug/L	50	36.2	31.8	72	64	17-115	13	30	
Naphthalene	ug/L	50	33.2	30.2	66	60	14-110	9	30	
Nitrobenzene	ug/L	50	33.7	30.0	67	60	16-106	12	30	
O,O,O-Triethylphosphorothioate	ug/L	50	40.7	36.5	81	73	17-115	11	30	
O-Toluidine	ug/L	50	32.6	27.6	65	55	17-115	17	30	
P-Dimethylaminoazobenzene	ug/L	100	22.7	20.7	23	21	17-115	9	30	
p-Phenylenediamine	ug/L	50	49.0	56.4	98	113	17-115	14	30	
Pentachlorobenzene	ug/L	50	47.2	43.1	94	86	17-115	9	30	
Phenacetin	ug/L	50	47.6	48.7	95	97	17-115	2	30	
Phenanthrene	ug/L	50	44.6	42.9	89	86	25-119	4	30	
Phenol	ug/L	50	22.3	18.7	45	37	10-110	17	30	
Pronamide	ug/L	50	46.0	46.2	92	92	17-115	0	30	
Pyrene	ug/L	50	48.7	43.0	97	86	22-127	12	30	
Safrole	ug/L	50	43.8	39.3	88	79	17-115	11	30	
Thionazin	ug/L	50	42.0	42.1	84	84	17-115	0	30	
2,4,6-Tribromophenol (S)	%				92	87	27-110			
2-Fluorobiphenyl (S)	%				90	80	27-110			
2-Fluorophenol (S)	%				49	43	12-110			
Nitrobenzene-d5 (S)	%				64	57	21-110			
Phenol-d6 (S)	%				42	36	10-110			
Terphenyl-d14 (S)	%				96	86	31-107			

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

QC Batch: WET/24851
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35136212001

METHOD BLANK: 896995
Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	05/08/14 13:51	

LABORATORY CONTROL SAMPLE: 896996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	281	94	90-110	

SAMPLE DUPLICATE: 896997

Parameter	Units	35136282001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	85.0	87.0	2	20	

SAMPLE DUPLICATE: 896998

Parameter	Units	35136282002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	264	273	3	20	

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

QC Batch: WET/24803
QC Batch Method: SM 4500-S2F
Analysis Method: SM 4500-S2F
Analysis Description: 4500S2F Sulfide
Associated Lab Samples: 35136212001

METHOD BLANK: 894563 Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	0.10U	0.10	05/06/14 15:09	

LABORATORY CONTROL SAMPLE & LCSD: 894564 894565

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	6	5.8	5.9	96	99	80-120	3	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

QC Batch: WETA/35505 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35136212001

METHOD BLANK: 892920 Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	0.043U	0.050	05/02/14 18:18	

LABORATORY CONTROL SAMPLE: 892921

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	5.1	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 892922 892923

Parameter	Units	35136172001 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	0.090	5	5	5.1	5.1	101	100	90-110	.3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 892924 892925

Parameter	Units	35136231007 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	<0.043	5	5	5.2	5.1	104	103	90-110	.9	20	

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

QC Batch: WETA/35506 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35136212001

METHOD BLANK: 892931 Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5U	5.0	05/02/14 18:18	
Sulfate	mg/L	2.5U	5.0	05/02/14 18:18	

LABORATORY CONTROL SAMPLE: 892932

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.1	100	90-110	
Sulfate	mg/L	50	50.2	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 892933 892934

Parameter	Units	35136172001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.0 I	50	50	53.5	53.5	99	99	90-110	.07	20	
Sulfate	mg/L	7.1	50	50	57.4	57.5	101	101	90-110	.1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 892935 892936

Parameter	Units	35136231007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	69.4	50	50	129	129	120	120	90-110	.2	20	J(M1), L
Sulfate	mg/L	<2.5	50	50	52.6	52.2	102	101	90-110	.8	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

QC Batch: WETA/35867 Analysis Method: EPA 335.4
QC Batch Method: EPA 335.4 Analysis Description: 335.4 Cyanide, Total
Associated Lab Samples: 35136212001

METHOD BLANK: 903295 Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	0.0050U	0.010	05/15/14 19:01	

LABORATORY CONTROL SAMPLE: 903296

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.025	0.027	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 903297 903298

Parameter	Units	35136128001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.025	.025	0.028	0.027	108	106	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 903299 903300

Parameter	Units	35136768001 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	.025	.025	0.023	0.022	87	83	90-110	5	20	J(M1)

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QUALITY CONTROL DATA

Project: Central County NAM-4
Pace Project No.: 35136212

QC Batch: WETA/35861
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35136212001

METHOD BLANK: 903188 Matrix: Water
Associated Lab Samples: 35136212001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.050	05/15/14 11:09	

LABORATORY CONTROL SAMPLE: 903189

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.93	93	90-110	

MATRIX SPIKE SAMPLE: 903191

Parameter	Units	35136857002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.097	1	1.0	95	90-110	

SAMPLE DUPLICATE: 903190

Parameter	Units	35136857002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.097	0.10	7	20	

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QUALIFIERS

Project: Central County NAM-4
Pace Project No.: 35136212

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte
PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J(L2)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(R1)	Estimated Value. RPD value was outside control limits.
L	Off-scale high. Actual value is known to be greater than value given.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
P2	Re-extraction or re-analysis could not be performed due to insufficient sample amount.
S7	Surrogate recovery outside control limits (not confirmed by re-analysis).
V	Indicates that the analyte was detected in both the sample and the associated method blank.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Central County NAM-4
Pace Project No.: 35136212

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35136212001	**NAM-4 29094**		FLD/		
35136212001	**NAM-4 29094**	EPA 8011	OEXT/17221	EPA 8011	GCSV/11278
35136212001	**NAM-4 29094**	EPA 3510	OEXT/17180	EPA 8081	GCSV/11250
35136212001	**NAM-4 29094**	EPA 3510	OEXT/17181	EPA 8082	GCSV/11251
35136212001	**NAM-4 29094**	EPA 3510	OEXT/17215	EPA 8141	GCSV/11272
35136212001	**NAM-4 29094**	EPA 8151	OEXT/17207	EPA 8151	GCSV/11273
35136212001	**NAM-4 29094**	EPA 3010	MPRP/18337	EPA 6010	ICP/11337
35136212001	**NAM-4 29094**	EPA 3010	MPRP/18338	EPA 6020	ICPM/7417
35136212001	**NAM-4 29094**	EPA 7470	MERP/4627	EPA 7470	MERC/4623
35136212001	**NAM-4 29094**	EPA 3510	OEXT/17204	EPA 8270 by SIM	MSSV/6179
35136212001	**NAM-4 29094**	EPA 3510	OEXT/27462	EPA 8270	MSSV/9093
35136212001	**NAM-4 29094**	EPA 8260	MSV/11649		
35136212002	**Trip Blank B**	EPA 8260	MSV/11649		
35136212001	**NAM-4 29094**	SM 2540C	WET/24851		
35136212001	**NAM-4 29094**	SM 4500-S2F	WET/24803		
35136212001	**NAM-4 29094**	EPA 300.0	WETA/35505		
35136212001	**NAM-4 29094**	EPA 300.0	WETA/35506		
35136212001	**NAM-4 29094**	EPA 335.4	WETA/35867	EPA 335.4	WETA/35903
35136212001	**NAM-4 29094**	EPA 350.1	WETA/35861		

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(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E

Page 1 of 2

FOR LAB USE ONLY
Condition of Contents:
Temp. of Contents: °C (or Received on Ice, ROI)
Condition of Seals:

FOR LAB USE ONLY
Submission No.

1. Client (Company or Individual): Sarasota County Environmental Services
Address: 1255 T Mabry Carlton Parkway
City: Venice State: Fl. Zip Code: 34292
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above): Cesar Rodriguez
Address:
City: State: Zip Code:
Phone: ( )
Fax: ( )

3. Client Project Name: Central County wells
4. Client Project No.: No.: 140136
6. Custody Seal No.:
7. Sampled By: Alison Eggleston
8. Shipping Method:

18. Report Type:
X Routine
With QC

19. Turnaround Time:
X Standard
Rush: / /

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

14. 15. Preservatives: H C C C C C C C
16. Containers: V V G G G G G
17.

WO# : 35136212
35136212

Item	9. Sample ID or No.	10. Sample Description	Date	Time	11. Comp	11. Grab	12. 13. Water (Codes)	Air	Soil	Sludge	Other	8260 VOC's APP I and II	8011 EDB App I & II	8270 App I & II	8081 App I and II	8082 App I & II	8151 App I & II	8141 App I & II	20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1	29094	NAM-4	05/01/14	1153		X	gw					A,B,C								
2						X	gw						D,E							
3						X	gw							F,F'						
4						X	gw								G					
5						X	gw									H				
6						X	gw										I			
7						X	gw											J		
8		Trip Blank B	05/01/14			X	gw					XX								

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Alison Eggleston	05/01/14	1425	[illegible]	5-1-14	1425
2 FSX	5-2-14	[illegible]	[illegible]	5/2/14	0433
3				5-5	1168
4					

FOR LAB USE ONLY
Sampling Fee: Hrs.
Equipment Rental Fee:
Profile No.: Quote No.:

DISTRIBUTION: White with report; make copies as needed

Revised: 1/99

PLEASE USE ADAPT

PACE Analytical

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(386)672-5668 ● FAX (386)673-4001
(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E

FOR LAB USE ONLY
Temp. of Contents: 5.1 °C (or Received on Ice, ROI)
Condition of Contents:
Condition of Seals:

FOR LAB USE ONLY
Submission No.

1 Client: (Company or Individual)
Sarasota County Environmental Services

Address: 1255 T. Mabry Carlton Parkway
City Venice State Fl. Zip Code 34292
Phone: (941)650-9834
Fax: (941)480-3558

2 Report to: (if different from above)
Cesar Rodriguez

Address:
City State Zip Code
Phone: ( )
Fax: ( )

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

3. Client Project Name:
Central County wells

4 Client Project No.:
No.: 140136

6. Custody Seal No.:

7 Sampled By: Alison Eggleston

8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

14.	15. Preservatives	N	S	NaOH	OH	C
	16. Containers	P	P	P	P	P
	17.					

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp	12. Grab	13. Water (Code)	Air	Soil	Sludge	Other	Metals App II Fe, Mn, As	Nutrients App I @ II Total Ammonia-N	Sulfide	CN	Miscellaneous Inorgs App I & II				20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1	29094	NAM-4	05/9/14	1153		X	gw					K								L. App II Total ammonia	
2		"				X	gw						L							O App II, TDS	
3		"				X	gw							M							
4		"				X	gw								N						
5		▼	↓	↓		X	gw									O					
6																					

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Alison Eggleston	05/9/14	1405	[illegible]	5-14	1405
2 FSI	5-12-14	0600	[illegible]	5-12-14	0730
3				5-13	7:15
4					

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Equipment Rental Fee: _____
Profile No.: Quote No.:

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Revised: 1/99

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Form FD 9000-24

GROUNDWATER SAMPLING LOG

35136 2-12.

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Road, Nokomis FL 34275	
WELL NO: NAM-4	SAMPLE ID: 29094	DATE: 5/1/14

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 8.74	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (16.90 feet – 8.74 feet) X 0.16 gallons/foot = 1.3 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.7	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.7	PURGING INITIATED AT: 1115	PURGING ENDED AT: 1152	TOTAL VOLUME PURGED (gallons): 3.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1132	1.4	1.4	0.08	9.04	6.66	24.58	826	2.19	2.91	none	none
1137	0.4	1.8	0.08	9.08	6.67	24.54	773	0.76	2.04		
1142	0.4	2.2	0.08	9.08	6.67	24.57	751	0.69	1.81		
1147	0.4	2.6	0.08	9.08	6.66	24.49	731	0.61	1.53		
1152	0.4	3.0	0.08	9.08	6.66	24.48	717	0.56	1.03	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1153	SAMPLING ENDED AT: 1233
PUMP OR TUBING DEPTH IN WELL (feet): 9.7	TUBING MATERIAL CODE: PE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A,B,C	3	CG	40 mL	HCl	NA	NA	8260	RFPP	<100
D,E	2	CG	40 mL	NA	NA	NA	8011	RFPP	<100
F, F' - O	See attached chain of custody for full list							APP	300
	Noted acidity in field								
pH = K>12, L=12, M=10, N=11									

REMARKS: total well depth measured in field 5/1/14

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

	Document No.: F-FL-C-007 rev. 05	Issuing Authorities: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: [illegible] Project # 35136212

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

Tracking # _____

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

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

Date and Initials of person examining contents: 5/2/14 [illegible]

Thermometer Used [illegible] Type of Ice: Wet Blue None

Cooler Temperature °C 0.1 (Visual) 0.1 (Correction Factor) 0.5 (Actual)

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

Receipt of samples satisfactory: ☑ Yes ☐ No

Rush TAT requested on COC:

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: [signature] Date: 5/2

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: _____

Chain of Custody

Pace Analytica
www.pacelabs.com

Workorder: 35136212 Workorder Name: Central County Wells Owner Received Date: 5/2/2014 Results Requested By: 5/16/2014

Report To	Subcontract To
Joe Vondrick Pace Analytical Services, Inc. 8 East Tower Circle Ormond Beach, FL 32174 Phone (386)672-5668 Fax (386)672-5668	Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						Requested Analysis	LAB USE ONLY
1	29094	PS	5/1/2014 11:53	35136212001	Water	1						X	
2													
3													
4													
5													

Comments

Transfers	Released By	Date/Time	Received By	Date/Time
1				
2				
3				

Cooler Temperature on Receipt ____ °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

Please E-Mail all results in a NELAC-Compliant Florida MDL PDF format to the PM isted above as soon as possible.

Pace Analytical
www.pacelabs.com

Ship To:
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
Phone (704)875-9092

(To be completed by sending lab)

Sending Project No	35136212
Receiving Project No	
Check Box for Consolidated Invoice:	☐
Date Prepared	05/02/14
REQUESTED COMPLETION DATE:	5/16/2014

Sending Region	IR35-Ormond Beach	Sending Project Mgr.	Joe Vondrick
Receiving Region	IR92-Charlotte	External Client	Sarasota County
State of Sample Origin	FL	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight Cert. Needed _____

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Unit Price	Amount
8270 MS/MS Semivol Appx IX	AG1U	1	Unpreserved	1	$170.00	$170.00
					TOTAL	$170.00

Special Requirements: _____

Receiving Region Department	Acctg. Code	Totals from above	Revenue Allocation	
			Receiving Region (80%)	Client Services Dept. Sending Region (20%)
GC/MS Semivolatiles	30	$170.00	$136.00	$34.00
* Custom Revenue Allocation	TOTAL	$170.00	$136.00	$34.00

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Chain of Custody Included: ☑ Yes ☐ No Return Samples to Sending Region: ☐ Yes ☑ No

Matrix: ☐ Soil ☑ Water ☐ Air ☐ Other (identify) _____

CONFIRMATION OF WORK COMPLETED

Date Completed: _____ Receiving Project Manager: _____

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.

When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

Pace Analytical®
www.pacelabs.com

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

June 05, 2014

Mr. Cesar Rodriquez
Sarasota County
1255 T. Mabry Carlton Parkway
Venice, FL 34292

RE: Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

Dear Mr. Rodriquez:
Enclosed are the analytical results for sample(s) received by the laboratory on May 17, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

Analysis performed by Benchmark, E84167, identified on the COC and report attached.

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

Sincerely,

Joe Vondrick
joe.vondrick@pacelabs.com
Project Manager

Enclosures

cc: Ms. Heather Bryen, Sarasota County
Finance Dept., Sarasota County

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

CERTIFICATIONS

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35138412001	**Field Blank**	Water	05/16/14 09:45	05/17/14 03:00
35138412002	**Pond 1**	Water	05/16/14 10:05	05/17/14 03:00
35138412003	**Pond 2**	Water	05/16/14 10:40	05/17/14 03:00
35138412004	**Trip Blank Z**	Water	05/16/14 00:00	05/17/14 03:00

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Ormond Beach, FL 32174
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SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35138412001	**Field Blank**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	12	PASI-O
		EPA 6020	DRS	8	PASI-O
		EPA 1631E	SH1	1	PASI-A
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		SM 2540D	WMW	1	PASI-O
		SM10200	DCI	1	PASI-O
		TKN+NOx Calculation	CLS	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 350.1	ADC	1	PASI-O
		EPA 351.2	CLS	1	PASI-O
		EPA 353.2	CLS	1	PASI-O
		EPA 365.4	CLS	1	PASI-O
		EPA 410.4	AGS	1	PASI-O
		SM 5310B	AGS	1	PASI-O
35138412002	**Pond 1**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	12	PASI-O
		EPA 6020	DRS	8	PASI-O
		EPA 1631E	SH1	1	PASI-A
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		SM 2540D	WMW	1	PASI-O
		SM10200	DCI	1	PASI-O
		TKN+NOx Calculation	CLS	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 350.1	ADC	2	PASI-O
		EPA 351.2	CLS	1	PASI-O
		EPA 353.2	CLS	1	PASI-O
		EPA 365.4	CLS	1	PASI-O
		EPA 410.4	AGS	1	PASI-O
		SM 5310B	AGS	1	PASI-O
35138412003	**Pond 2**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	12	PASI-O
		EPA 6020	DRS	8	PASI-O

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(386)672-5668

SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 1631E	SH1	1	PASI-A
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		SM 2540D	WMW	1	PASI-O
		SM10200	DCI	1	PASI-O
		TKN+NOx Calculation	CLS	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 300.0	JNZ	1	PASI-O
		EPA 350.1	ADC	2	PASI-O
		EPA 351.2	CLS	1	PASI-O
		EPA 353.2	CLS	1	PASI-O
		EPA 365.4	CLS	1	PASI-O
		EPA 410.4	AGS	1	PASI-O
		SM 5310B	AGS	1	PASI-O
35138412004	**Trip Blank Z**	EPA 8260	SK	48	PASI-O

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

Sample: Field Blank **Lab ID: 35138412001** Collected: 05/16/14 09:45 Received: 05/17/14 03:00 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	**0.0053U**	ug/L	0.022	0.0053	1	05/21/14 22:15	05/22/14 10:11	96-12-8	
1,2-Dibromoethane (EDB)	**0.0067U**	ug/L	0.011	0.0067	1	05/21/14 22:15	05/22/14 10:11	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	**5.0U**	ug/L	15.0	5.0	1	05/23/14 03:20	05/24/14 21:49	7440-36-0	
Arsenic	**5.0U**	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:49	7440-38-2	
Barium	**5.0U**	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:49	7440-39-3	
Calcium	**0.25U**	mg/L	0.50	0.25	1	05/23/14 03:20	05/24/14 21:49	7440-70-2	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/23/14 03:20	05/24/14 21:49	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:49	7440-48-4	
Iron	**20.0U**	ug/L	40.0	20.0	1	05/23/14 03:20	05/24/14 21:49	7439-89-6	
Magnesium	**0.25U**	mg/L	0.50	0.25	1	05/23/14 03:20	05/24/14 21:49	7439-95-4	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/23/14 03:20	05/24/14 21:49	7440-02-0	
Potassium	**0.50U**	mg/L	1.0	0.50	1	05/23/14 03:20	05/24/14 21:49	7440-09-7	
Tot Hardness asCaCO3 (SM 2340B	**1.6U**	mg/L	3.2	1.6	1	05/23/14 03:20	05/24/14 00:44		
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:49	7440-62-2	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Beryllium	**0.050U**	ug/L	0.10	0.050	1	05/23/14 03:20	05/28/14 11:20	7440-41-7	
Cadmium	**0.089 I**	ug/L	0.10	0.050	1	05/23/14 03:20	05/28/14 11:20	7440-43-9	
Copper	**0.93U**	ug/L	1.0	0.93	1	05/23/14 03:20	05/28/14 11:20	7440-50-8	
Lead	**0.50U**	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 11:20	7439-92-1	
Selenium	**0.50U**	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 11:20	7782-49-2	
Silver	**0.050U**	ug/L	0.10	0.050	1	05/23/14 03:20	05/29/14 12:24	7440-22-4	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 11:20	7440-28-0	
Zinc	**2.5U**	ug/L	5.0	2.5	1	05/23/14 03:20	05/28/14 11:20	7440-66-6	
1631E Mercury,Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E								
Mercury	**0.50U**	ng/L	0.50	0.50	1	06/02/14 15:30	06/03/14 13:55	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/28/14 12:13	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/28/14 12:13	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/28/14 12:13	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/28/14 12:13	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/28/14 12:13	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/28/14 12:13	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/28/14 12:13	74-87-3	L3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

Sample: Field Blank **Lab ID: 35138412001** Collected: 05/16/14 09:45 Received: 05/17/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/28/14 12:13	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/28/14 12:13	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/28/14 12:13	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/28/14 12:13	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/28/14 12:13	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/28/14 12:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/28/14 12:13	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/28/14 12:13	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/28/14 12:13	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/28/14 12:13	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:13	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	115	%	70-114		1		05/28/14 12:13	460-00-4	S3
1,2-Dichloroethane-d4 (S)	95	%	86-125		1		05/28/14 12:13	17060-07-0	
Toluene-d8 (S)	98	%	87-113		1		05/28/14 12:13	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**5.0U**	mg/L	5.0	5.0	1		05/21/14 05:22		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**5.0U**	mg/L	5.0	5.0	1		05/22/14 10:00		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

Sample: Field Blank **Lab ID: 35138412001** Collected: 05/16/14 09:45 Received: 05/17/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation								
Total Nitrogen	**0.25U**	mg/L	0.50	0.25	1		06/03/14 17:28		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.043U**	mg/L	0.050	0.043	1		05/18/14 09:35	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**2.5U**	mg/L	5.0	2.5	1		05/18/14 09:35	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020U**	mg/L	0.050	0.020	1		06/04/14 14:57	7664-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	**0.086U**	mg/L	0.50	0.086	1	05/27/14 10:55	05/30/14 13:40	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**0.025U**	mg/L	0.050	0.025	1		06/02/14 15:33		
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	05/27/14 10:55	05/30/14 13:40	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4								
Chemical Oxygen Demand	**12.5U**	mg/L	20.0	12.5	1		05/20/14 14:13		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**0.50U**	mg/L	1.0	0.50	1		05/20/14 00:20	7440-44-0	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

Sample: Pond 1 **Lab ID: 35138412002** Collected: 05/16/14 10:05 Received: 05/17/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**7.85**	Std. Units			1		05/16/14 10:05		
Field Temperature	**25.05**	deg C			1		05/16/14 10:05		
Field Specific Conductance	**556**	umhos/cm			1		05/16/14 10:05		
Oxygen, Dissolved	**1.91**	mg/L			1		05/16/14 10:05	7782-44-7	
Turbidity	**5.16**	NTU			1		05/16/14 10:05		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0055U**	ug/L	0.023	0.0055	1	05/21/14 22:15	05/22/14 10:27	96-12-8	
1,2-Dibromoethane (EDB)	**0.0070U**	ug/L	0.011	0.0070	1	05/21/14 22:15	05/22/14 10:27	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	**5.0U**	ug/L	15.0	5.0	1	05/23/14 03:20	05/24/14 21:53	7440-36-0	
Arsenic	**5.4 I**	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:53	7440-38-2	
Barium	**17.9**	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:53	7440-39-3	
Calcium	**65.4**	mg/L	0.50	0.25	1	05/23/14 03:20	05/24/14 21:53	7440-70-2	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/23/14 03:20	05/24/14 21:53	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:53	7440-48-4	
Iron	**91.4**	ug/L	40.0	20.0	1	05/23/14 03:20	05/24/14 21:53	7439-89-6	
Magnesium	**12.1**	mg/L	0.50	0.25	1	05/23/14 03:20	05/24/14 21:53	7439-95-4	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/23/14 03:20	05/24/14 21:53	7440-02-0	
Potassium	**40.6**	mg/L	1.0	0.50	1	05/23/14 03:20	05/24/14 21:53	7440-09-7	
Tot Hardness asCaCO3 (SM 2340B	**204**	mg/L	3.2	1.6	1	05/23/14 03:20	05/24/14 01:01		
Vanadium	**5.0U**	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:53	7440-62-2	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Beryllium	**0.050U**	ug/L	0.10	0.050	1	05/23/14 03:20	05/28/14 11:23	7440-41-7	
Cadmium	**0.13**	ug/L	0.10	0.050	1	05/23/14 03:20	05/28/14 11:23	7440-43-9	
Copper	**0.93U**	ug/L	1.0	0.93	1	05/23/14 03:20	05/28/14 11:23	7440-50-8	
Lead	**0.50U**	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 11:23	7439-92-1	
Selenium	**0.50U**	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 11:23	7782-49-2	
Silver	**0.050U**	ug/L	0.10	0.050	1	05/23/14 03:20	05/29/14 12:26	7440-22-4	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 11:23	7440-28-0	
Zinc	**2.5U**	ug/L	5.0	2.5	1	05/23/14 03:20	05/28/14 11:23	7440-66-6	
1631E Mercury,Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E								
Mercury	**1.47**	ng/L	0.50	0.50	1	06/02/14 15:30	06/03/14 14:03	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/28/14 15:58	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/28/14 15:58	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/28/14 15:58	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/28/14 15:58	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	75-25-2	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

Sample: Pond 1 **Lab ID: 35138412002** Collected: 05/16/14 10:05 Received: 05/17/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/28/14 15:58	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/28/14 15:58	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/28/14 15:58	74-87-3	L3
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/28/14 15:58	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/28/14 15:58	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/28/14 15:58	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/28/14 15:58	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/28/14 15:58	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/28/14 15:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/28/14 15:58	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/28/14 15:58	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/28/14 15:58	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/28/14 15:58	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/28/14 15:58	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	114	%	70-114		1		05/28/14 15:58	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	86-125		1		05/28/14 15:58	17060-07-0	
Toluene-d8 (S)	103	%	87-113		1		05/28/14 15:58	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**388**	mg/L	5.0	5.0	1		05/21/14 05:23		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

Sample: Pond 1 **Lab ID: 35138412002** Collected: 05/16/14 10:05 Received: 05/17/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**6.5**	mg/L	5.0	5.0	1		05/22/14 10:00		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation								
Total Nitrogen	**1.9**	mg/L	0.50	0.25	1		06/03/14 17:28		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.043U**	mg/L	0.050	0.043	1		05/18/14 09:54	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**13.5**	mg/L	5.0	2.5	1		05/18/14 09:54	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.049 I**	mg/L	0.050	0.020	1		06/04/14 14:59	7664-41-7	
Nitrogen, Ammonia (Unionized)	**0.020U**	mg/L	0.050	0.020	1		06/04/14 14:59		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	**1.8**	mg/L	0.50	0.086	1	05/27/14 10:55	05/30/14 13:44	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**0.025 I**	mg/L	0.050	0.025	1		06/02/14 15:39		
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
Phosphorus, Total (as P)	**1.6**	mg/L	0.10	0.050	1	05/27/14 10:55	05/30/14 13:44	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4								
Chemical Oxygen Demand	**39.1**	mg/L	20.0	12.5	1		05/28/14 15:43		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**20.7**	mg/L	1.0	0.50	1		05/20/14 00:35	7440-44-0	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

Sample: Pond 2 **Lab ID: 35138412003** Collected: 05/16/14 10:40 Received: 05/17/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**8.30**	Std. Units			1		05/16/14 10:40		
Field Temperature	**24.17**	deg C			1		05/16/14 10:40		
Field Specific Conductance	**643**	umhos/cm			1		05/16/14 10:40		
Oxygen, Dissolved	**4.12**	mg/L			1		05/16/14 10:40	7782-44-7	
Turbidity	**13.6**	NTU			1		05/16/14 10:40		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0057U**	ug/L	0.023	0.0057	1	05/21/14 22:15	05/22/14 10:42	96-12-8	
1,2-Dibromoethane (EDB)	**0.0072U**	ug/L	0.012	0.0072	1	05/21/14 22:15	05/22/14 10:42	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	**5.0U**	ug/L	15.0	5.0	1	05/23/14 03:20	05/24/14 21:56	7440-36-0	
Arsenic	**6.0 I**	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:56	7440-38-2	
Barium	**21.1**	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:56	7440-39-3	
Calcium	**69.0**	mg/L	0.50	0.25	1	05/23/14 03:20	05/24/14 21:56	7440-70-2	
Chromium	**2.5U**	ug/L	5.0	2.5	1	05/23/14 03:20	05/24/14 21:56	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:56	7440-48-4	
Iron	**123**	ug/L	40.0	20.0	1	05/23/14 03:20	05/24/14 21:56	7439-89-6	
Magnesium	**13.3**	mg/L	0.50	0.25	1	05/23/14 03:20	05/24/14 21:56	7439-95-4	
Nickel	**2.5U**	ug/L	5.0	2.5	1	05/23/14 03:20	05/24/14 21:56	7440-02-0	
Potassium	**63.2**	mg/L	1.0	0.50	1	05/23/14 03:20	05/24/14 21:56	7440-09-7	
Tot Hardness asCaCO3 (SM 2340B	**216**	mg/L	3.2	1.6	1	05/23/14 03:20	05/24/14 01:06		
Vanadium	**7.5 I**	ug/L	10.0	5.0	1	05/23/14 03:20	05/24/14 21:56	7440-62-2	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Beryllium	**0.050U**	ug/L	0.10	0.050	1	05/23/14 03:20	05/28/14 11:26	7440-41-7	
Cadmium	**0.11**	ug/L	0.10	0.050	1	05/23/14 03:20	05/28/14 11:26	7440-43-9	
Copper	**0.93U**	ug/L	1.0	0.93	1	05/23/14 03:20	05/28/14 11:26	7440-50-8	
Lead	**0.50U**	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 11:26	7439-92-1	
Selenium	**0.50U**	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 11:26	7782-49-2	
Silver	**0.050U**	ug/L	0.10	0.050	1	05/23/14 03:20	05/29/14 12:29	7440-22-4	
Thallium	**0.50U**	ug/L	1.0	0.50	1	05/23/14 03:20	05/28/14 11:26	7440-28-0	
Zinc	**2.5U**	ug/L	5.0	2.5	1	05/23/14 03:20	05/28/14 11:26	7440-66-6	
1631E Mercury,Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E								
Mercury	**3.01**	ng/L	2.5	2.5	1	06/02/14 15:30	06/03/14 14:49	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/28/14 16:23	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/28/14 16:23	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/28/14 16:23	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/28/14 16:23	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	75-25-2	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

Sample: Pond 2 **Lab ID: 35138412003** Collected: 05/16/14 10:40 Received: 05/17/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/28/14 16:23	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/28/14 16:23	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/28/14 16:23	74-87-3	L3
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/28/14 16:23	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/28/14 16:23	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/28/14 16:23	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/28/14 16:23	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/28/14 16:23	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/28/14 16:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/28/14 16:23	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/28/14 16:23	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/28/14 16:23	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/28/14 16:23	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/28/14 16:23	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	116	%	70-114		1		05/28/14 16:23	460-00-4	S3
1,2-Dichloroethane-d4 (S)	95	%	86-125		1		05/28/14 16:23	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		05/28/14 16:23	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**456**	mg/L	5.0	5.0	1		05/21/14 05:24		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

Sample: Pond 2 **Lab ID: 35138412003** Collected: 05/16/14 10:40 Received: 05/17/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**26.0**	mg/L	5.0	5.0	1		05/22/14 10:00		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation								
Total Nitrogen	**2.5**	mg/L	0.50	0.25	1		06/03/14 17:28		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.043U**	mg/L	0.050	0.043	1		05/18/14 10:13	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**9.4**	mg/L	5.0	2.5	1		05/18/14 10:13	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.030 I**	mg/L	0.050	0.020	1		06/04/14 15:10	7664-41-7	
Nitrogen, Ammonia (Unionized)	**0.020U**	mg/L	0.050	0.020	1		06/04/14 15:10		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	**2.3**	mg/L	0.50	0.086	1	05/27/14 10:55	05/30/14 13:45	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**0.14**	mg/L	0.050	0.025	1		06/02/14 15:41		
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
Phosphorus, Total (as P)	**1.3**	mg/L	0.10	0.050	1	05/27/14 10:55	05/30/14 13:45	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4								
Chemical Oxygen Demand	**55.4**	mg/L	20.0	12.5	1		05/28/14 15:43		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**22.7**	mg/L	1.0	0.50	1		05/20/14 00:49	7440-44-0	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

Sample: Trip Blank Z **Lab ID: 35138412004** Collected: 05/16/14 00:00 Received: 05/17/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0U**	ug/L	20.0	10.0	1		05/28/14 12:38	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		05/28/14 12:38	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		05/28/14 12:38	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		05/28/14 12:38	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		05/28/14 12:38	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		05/28/14 12:38	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		05/28/14 12:38	74-87-3	L3
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		05/28/14 12:38	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		05/28/14 12:38	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	156-59-2	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/28/14 12:38	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		05/28/14 12:38	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		05/28/14 12:38	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		05/28/14 12:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		05/28/14 12:38	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		05/28/14 12:38	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	127-18-4	
Toluene	**2.6**	ug/L	1.0	0.50	1		05/28/14 12:38	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	75-69-4	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		05/28/14 12:38	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		05/28/14 12:38	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		05/28/14 12:38	1330-20-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

Sample: Trip Blank Z **Lab ID: 35138412004** Collected: 05/16/14 00:00 Received: 05/17/14 03:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-114		1		05/28/14 12:38	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	86-125		1		05/28/14 12:38	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		05/28/14 12:38	2037-26-5	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

QC Batch: MERP/6694 Analysis Method: EPA 1631E
QC Batch Method: EPA 1631E Analysis Description: 1631E Mercury,Low Level
Associated Lab Samples: 35138412001, 35138412002, 35138412003

METHOD BLANK: 1212291 Matrix: Water
Associated Lab Samples: 35138412001, 35138412002, 35138412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	0.50U	0.50	06/03/14 12:24	

METHOD BLANK: 1212292 Matrix: Water
Associated Lab Samples: 35138412001, 35138412002, 35138412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	0.50U	0.50	06/03/14 14:11	

METHOD BLANK: 1212293 Matrix: Water
Associated Lab Samples: 35138412001, 35138412002, 35138412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	0.50U	0.50	06/03/14 16:00	

LABORATORY CONTROL SAMPLE: 1212294

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ng/L	5	4.65	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1212299 1212300

Parameter	Units	92202840001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ng/L	ND	25	25	26.6	26.9	106	107	71-125	1	24	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1212301 1212302

Parameter	Units	92202834001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ng/L	7.64	25	25	32.0	32.5	97	99	71-125	2	24	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

QC Batch: MPRP/18624 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35138412001, 35138412002, 35138412003

METHOD BLANK: 909637 Matrix: Water
Associated Lab Samples: 35138412001, 35138412002, 35138412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	5.0U	15.0	05/23/14 23:12	
Arsenic	ug/L	5.0U	10.0	05/23/14 23:12	
Barium	ug/L	5.0U	10.0	05/23/14 23:12	
Calcium	mg/L	0.25U	0.50	05/23/14 23:12	
Chromium	ug/L	2.5U	5.0	05/23/14 23:12	
Cobalt	ug/L	5.0U	10.0	05/23/14 23:12	
Iron	ug/L	20.0U	40.0	05/23/14 23:12	
Magnesium	mg/L	0.25U	0.50	05/23/14 23:12	
Nickel	ug/L	2.5U	5.0	05/23/14 23:12	
Potassium	mg/L	0.50U	1.0	05/23/14 23:12	
Tot Hardness asCaCO3 (SM 2340B	mg/L	1.6U	3.2	05/23/14 23:12	
Vanadium	ug/L	5.0U	10.0	05/23/14 23:12	

LABORATORY CONTROL SAMPLE: 909638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	250	269	107	80-120	
Arsenic	ug/L	250	261	104	80-120	
Barium	ug/L	250	280	112	80-120	
Calcium	mg/L	12.5	12.5	100	80-120	
Chromium	ug/L	250	271	108	80-120	
Cobalt	ug/L	250	265	106	80-120	
Iron	ug/L	2500	2550	102	80-120	
Magnesium	mg/L	12.5	12.5	100	80-120	
Nickel	ug/L	250	266	106	80-120	
Potassium	mg/L	12.5	13.6	109	80-120	
Tot Hardness asCaCO3 (SM 2340B	mg/L	82.7	82.7	100	80-120	
Vanadium	ug/L	250	269	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909639 909640

Parameter	Units	35138877002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	5.0U	250	250	264	265	105	106	75-125	.6	20	
Arsenic	ug/L	5.0U	250	250	256	260	101	103	75-125	1	20	
Barium	ug/L	174	250	250	437	437	105	105	75-125	.02	20	
Calcium	mg/L	40500 ug/L	12.5	12.5	53.4	53.5	103	104	75-125	.1	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909639 909640

Parameter	Units	35138877002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium	ug/L	2.5U	250	250	260	260	103	104	75-125	.3	20	
Cobalt	ug/L	5.0U	250	250	264	266	105	106	75-125	.9	20	
Iron	ug/L	20600	2500	2500	23100	23100	101	102	75-125	.09	20	
Magnesium	mg/L	19800 ug/L	12.5	12.5	32.6	32.8	103	104	75-125	.4	20	
Nickel	ug/L	2.5U	250	250	264	266	106	106	75-125	.8	20	
Potassium	mg/L	1250 ug/L	12.5	12.5	14.3	14.3	104	104	75-125	.2	20	
Tot Hardness asCaCO3 (SM 2340B	mg/L	176000 ug/L	82.7	82.7	255	258	96	99	75-125	1	20	
Vanadium	ug/L	5.0U	250	250	256	257	102	102	75-125	.2	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

QC Batch: MPRP/18625 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35138412001, 35138412002, 35138412003

METHOD BLANK: 909641 Matrix: Water
Associated Lab Samples: 35138412001, 35138412002, 35138412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	0.050U	0.10	05/28/14 11:51	
Cadmium	ug/L	0.050U	0.10	05/28/14 11:51	
Copper	ug/L	0.93U	1.0	05/28/14 11:51	
Lead	ug/L	0.50U	1.0	05/28/14 11:51	
Selenium	ug/L	0.50U	1.0	05/28/14 11:51	
Silver	ug/L	0.050U	0.10	05/29/14 12:13	
Thallium	ug/L	0.50U	1.0	05/28/14 11:51	
Zinc	ug/L	2.5U	5.0	05/28/14 11:51	

LABORATORY CONTROL SAMPLE: 909642

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	5	5.5	110	80-120	
Cadmium	ug/L	5	5.4	107	80-120	
Copper	ug/L	50	52.4	105	80-120	
Lead	ug/L	50	47.5	95	80-120	
Selenium	ug/L	50	51.4	103	80-120	
Silver	ug/L	5	5.0	101	80-120	
Thallium	ug/L	50	46.9	94	80-120	
Zinc	ug/L	250	263	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909643 909644

Parameter	Units	35138877003 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	4.7	4.7	94	93	75-125	.6	20	
Cadmium	ug/L	0.050U	5	5	4.8	4.7	96	93	75-125	3	20	
Copper	ug/L	0.93U	50	50	45.7	46.2	91	92	75-125	1	20	
Lead	ug/L	0.50U	50	50	48.3	47.9	97	96	75-125	.9	20	
Selenium	ug/L	0.50U	50	50	45.4	45.9	90	91	75-125	1	20	
Silver	ug/L	0.050U	5	5	4.7	4.7	94	94	75-125	.4	20	
Thallium	ug/L	0.50U	50	50	48.2	48.0	96	96	75-125	.5	20	
Zinc	ug/L	2.5U	250	250	224	226	89	90	75-125	.9	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

QC Batch: MSV/11804 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35138412001, 35138412002, 35138412003, 35138412004

METHOD BLANK: 913317 Matrix: Water
Associated Lab Samples: 35138412001, 35138412002, 35138412003, 35138412004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	05/28/14 10:58	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	05/28/14 10:58	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	05/28/14 10:58	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	05/28/14 10:58	
1,1-Dichloroethane	ug/L	0.50U	1.0	05/28/14 10:58	
1,1-Dichloroethene	ug/L	0.50U	1.0	05/28/14 10:58	
1,2,3-Trichloropropane	ug/L	0.59U	1.0	05/28/14 10:58	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	05/28/14 10:58	
1,2-Dichloroethane	ug/L	0.50U	1.0	05/28/14 10:58	
1,2-Dichloropropane	ug/L	0.50U	1.0	05/28/14 10:58	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	05/28/14 10:58	
2-Butanone (MEK)	ug/L	5.0U	10.0	05/28/14 10:58	
2-Hexanone	ug/L	5.0U	10.0	05/28/14 10:58	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	05/28/14 10:58	
Acetone	ug/L	10.0U	20.0	05/28/14 10:58	
Acrylonitrile	ug/L	5.0U	10.0	05/28/14 10:58	
Benzene	ug/L	0.10U	1.0	05/28/14 10:58	
Bromochloromethane	ug/L	0.50U	1.0	05/28/14 10:58	
Bromodichloromethane	ug/L	0.27U	0.60	05/28/14 10:58	
Bromoform	ug/L	0.50U	1.0	05/28/14 10:58	
Bromomethane	ug/L	0.50U	1.0	05/28/14 10:58	
Carbon disulfide	ug/L	5.0U	10.0	05/28/14 10:58	
Carbon tetrachloride	ug/L	0.50U	1.0	05/28/14 10:58	
Chlorobenzene	ug/L	0.50U	1.0	05/28/14 10:58	
Chloroethane	ug/L	0.50U	1.0	05/28/14 10:58	
Chloroform	ug/L	0.50U	1.0	05/28/14 10:58	
Chloromethane	ug/L	0.62U	1.0	05/28/14 10:58	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	05/28/14 10:58	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	05/28/14 10:58	
Dibromochloromethane	ug/L	0.26U	0.50	05/28/14 10:58	
Dibromomethane	ug/L	0.50U	1.0	05/28/14 10:58	
Ethylbenzene	ug/L	0.50U	1.0	05/28/14 10:58	
Iodomethane	ug/L	0.50U	1.0	05/28/14 10:58	
Methylene Chloride	ug/L	2.5U	5.0	05/28/14 10:58	
Styrene	ug/L	0.50U	1.0	05/28/14 10:58	
Tetrachloroethene	ug/L	0.50U	1.0	05/28/14 10:58	
Toluene	ug/L	0.50U	1.0	05/28/14 10:58	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	05/28/14 10:58	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	05/28/14 10:58	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	05/28/14 10:58	
Trichloroethene	ug/L	0.50U	1.0	05/28/14 10:58	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

METHOD BLANK: 913317 Matrix: Water
Associated Lab Samples: 35138412001, 35138412002, 35138412003, 35138412004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50U	1.0	05/28/14 10:58	
Vinyl acetate	ug/L	1.0U	2.0	05/28/14 10:58	
Vinyl chloride	ug/L	0.50U	1.0	05/28/14 10:58	
Xylene (Total)	ug/L	0.50U	1.0	05/28/14 10:58	
1,2-Dichloroethane-d4 (S)	%	96	86-125	05/28/14 10:58	
4-Bromofluorobenzene (S)	%	103	70-114	05/28/14 10:58	
Toluene-d8 (S)	%	101	87-113	05/28/14 10:58	

LABORATORY CONTROL SAMPLE: 913318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	22.7	114	70-130	
1,1,1-Trichloroethane	ug/L	20	21.2	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.9	95	70-130	
1,1,2-Trichloroethane	ug/L	20	21.7	108	70-130	
1,1-Dichloroethane	ug/L	20	17.6	88	70-130	
1,1-Dichloroethene	ug/L	20	20.6	103	70-130	
1,2,3-Trichloropropane	ug/L	20	22.9	114	70-130	
1,2-Dichlorobenzene	ug/L	20	21.0	105	70-130	
1,2-Dichloroethane	ug/L	20	19.5	98	70-130	
1,2-Dichloropropane	ug/L	20	15.9	79	70-130	
1,4-Dichlorobenzene	ug/L	20	21.9	109	70-130	
2-Butanone (MEK)	ug/L	40	38.0	95	55-167	
2-Hexanone	ug/L	40	33.2	83	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	34.8	87	70-130	
Acetone	ug/L	40	36.0	90	40-150	
Acrylonitrile	ug/L	200	155	78	70-130	
Benzene	ug/L	20	19.4	97	70-130	
Bromochloromethane	ug/L	20	21.4	107	70-130	
Bromodichloromethane	ug/L	20	20.7	103	70-130	
Bromoform	ug/L	20	20.8	104	68-130	
Bromomethane	ug/L	20	24.9	124	38-179	
Carbon disulfide	ug/L	20	21.0	105	51-155	
Carbon tetrachloride	ug/L	20	22.4	112	70-130	
Chlorobenzene	ug/L	20	22.1	110	70-130	
Chloroethane	ug/L	20	22.0	110	59-149	
Chloroform	ug/L	20	20.1	101	70-130	
Chloromethane	ug/L	20	29.5	148	68-130	J(L0)
cis-1,2-Dichloroethene	ug/L	20	18.9	95	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.5	98	70-130	
Dibromochloromethane	ug/L	20	21.6	108	70-130	
Dibromomethane	ug/L	20	22.9	115	70-130	
Ethylbenzene	ug/L	20	21.7	109	70-130	
Iodomethane	ug/L	40	49.7	124	43-160	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

LABORATORY CONTROL SAMPLE: 913318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	19.1	96	70-130	
Styrene	ug/L	20	21.5	108	70-130	
Tetrachloroethene	ug/L	20	21.2	106	66-133	
Toluene	ug/L	20	22.1	110	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.3	91	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.1	101	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	16.9	84	65-130	
Trichloroethene	ug/L	20	23.5	118	70-130	
Trichlorofluoromethane	ug/L	20	23.3	117	70-131	
Vinyl acetate	ug/L	20	16.9	85	69-135	
Vinyl chloride	ug/L	20	18.6	93	69-140	
Xylene (Total)	ug/L	60	67.6	113	70-130	
1,2-Dichloroethane-d4 (S)	%			93	86-125	
4-Bromofluorobenzene (S)	%			112	70-114	
Toluene-d8 (S)	%			101	87-113	

MATRIX SPIKE SAMPLE: 914914

Parameter	Units	35138996002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	21.6	108	39-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	21.4	107	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	16.3	81	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	18.5	92	50-130	
1,1-Dichloroethane	ug/L	0.70 I	20	17.9	86	54-137	
1,1-Dichloroethene	ug/L	0.50U	20	20.9	105	45-155	
1,2,3-Trichloropropane	ug/L	0.59U	20	17.0	85	31-132	
1,2-Dichlorobenzene	ug/L	0.50U	20	18.1	91	43-130	
1,2-Dichloroethane	ug/L	0.50U	20	19.0	95	54-130	
1,2-Dichloropropane	ug/L	0.50U	20	17.5	88	53-130	
1,4-Dichlorobenzene	ug/L	0.50U	20	18.8	94	38-130	
2-Butanone (MEK)	ug/L	5.0U	40	36.5	91	48-138	
2-Hexanone	ug/L	5.0U	40	37.2	93	38-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	37.9	95	28-143	
Acetone	ug/L	10.0U	40	44.4	111	20-140	
Acrylonitrile	ug/L	5.0U	200	135	68	46-130	
Benzene	ug/L	0.10U	20	18.1	91	53-132	
Bromochloromethane	ug/L	0.50U	20	22.6	113	54-132	
Bromodichloromethane	ug/L	0.27U	20	19.5	98	46-130	
Bromoform	ug/L	0.50U	20	19.1	95	32-130	
Bromomethane	ug/L	0.50U	20	25.0	125	20-152	
Carbon disulfide	ug/L	5.0U	20	22.7	113	28-184	
Carbon tetrachloride	ug/L	0.50U	20	22.3	112	37-137	
Chlorobenzene	ug/L	0.50U	20	22.5	111	46-130	
Chloroethane	ug/L	0.50U	20	19.8	99	48-159	
Chloroform	ug/L	0.50U	20	20.3	101	51-130	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

MATRIX SPIKE SAMPLE: 914914

Parameter	Units	35138996002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62U	20	26.0	130	39-144	
cis-1,2-Dichloroethene	ug/L	1.4	20	19.2	89	54-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	17.6	88	45-130	
Dibromochloromethane	ug/L	0.26U	20	21.1	106	43-130	
Dibromomethane	ug/L	0.50U	20	20.3	101	50-130	
Ethylbenzene	ug/L	0.50U	20	21.2	106	43-130	
Iodomethane	ug/L	0.50U	40	44.6	112	20-169	
Methylene Chloride	ug/L	2.5U	20	18.7	94	51-135	
Styrene	ug/L	0.50U	20	22.5	113	40-130	
Tetrachloroethene	ug/L	0.50U	20	21.8	107	26-130	
Toluene	ug/L	0.50U	20	21.6	107	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	18.2	91	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	19.0	95	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	14.3	71	20-139	
Trichloroethene	ug/L	0.50U	20	21.9	109	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	28.5	142	46-146	
Vinyl acetate	ug/L	1.0U	20	16.9	85	20-165	
Vinyl chloride	ug/L	0.50U	20	23.2	116	57-142	
Xylene (Total)	ug/L	0.50U	60	64.8	108	42-130	
1,2-Dichloroethane-d4 (S)	%				92	86-125	
4-Bromofluorobenzene (S)	%				113	70-114	
Toluene-d8 (S)	%				99	87-113	

SAMPLE DUPLICATE: 914913

Parameter	Units	35138996001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.59U	0.59U		40	
1,2-Dichlorobenzene	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane	ug/L	0.50U	0.50U		40	
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,4-Dichlorobenzene	ug/L	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	0.10U	0.10U		40	
Bromochloromethane	ug/L	0.50U	0.50U		40	
Bromodichloromethane	ug/L	0.27U	0.27U		40	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

SAMPLE DUPLICATE: 914913

Parameter	Units	35138996001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50U	0.50U		40	
Bromomethane	ug/L	0.50U	0.50U		40	
Carbon disulfide	ug/L	5.0U	5.0U		40	
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	0.50U	0.50U		40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	
Chloromethane	ug/L	0.62U	0.62U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
Styrene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	
Toluene	ug/L	0.69 I	0.89 I		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane-d4 (S)	%	93	98	5		
4-Bromofluorobenzene (S)	%	115	114	1		
Toluene-d8 (S)	%	99	103	5		

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

QC Batch: OEXT/17406 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35138412001, 35138412002, 35138412003

METHOD BLANK: 908684 Matrix: Water
Associated Lab Samples: 35138412001, 35138412002, 35138412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	05/22/14 04:20	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	05/22/14 04:20	

LABORATORY CONTROL SAMPLE: 908685

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.20	81	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.17	67	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909039 909040

Parameter	Units	35137726001 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	<0.0054	.44	.44	0.39	0.39	88	89	60-140	.7	40	
1,2-Dibromoethane (EDB)	ug/L	<0.0069	.44	.44	0.31	0.32	71	74	60-140	4	40	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

QC Batch: WET/25076 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35138412001, 35138412002, 35138412003

METHOD BLANK: 907734 Matrix: Water
Associated Lab Samples: 35138412001, 35138412002, 35138412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	05/21/14 05:19	

LABORATORY CONTROL SAMPLE: 907735

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	315	105	90-110	

SAMPLE DUPLICATE: 907737

Parameter	Units	35138412002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	388	386	.5	20	

SAMPLE DUPLICATE: 907799

Parameter	Units	35138537007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	255	277			

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

QC Batch: WET/25108 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 35138412001, 35138412002, 35138412003

METHOD BLANK: 909095 Matrix: Water
Associated Lab Samples: 35138412001, 35138412002, 35138412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	5.0U	5.0	05/22/14 10:00	

LABORATORY CONTROL SAMPLE: 909096

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	97.0	97	90-110	

SAMPLE DUPLICATE: 909097

Parameter	Units	35138295003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	158	144	9	20	

SAMPLE DUPLICATE: 909098

Parameter	Units	35138494005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	90.0	94.0	4	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

QC Batch: WET/25032 Analysis Method: SM10200
QC Batch Method: SM10200 Analysis Description: Chlorophyll & Pheophytin
Associated Lab Samples: 35138412001, 35138412002, 35138412003

METHOD BLANK: 906054 Matrix: Water
Associated Lab Samples: 35138412001, 35138412002, 35138412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlorophyll a	ug/L	1.0U	1.0	05/19/14 16:04	Q

SAMPLE DUPLICATE: 906055

Parameter	Units	35138412001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chlorophyll a	ug/L	1.0U	1.0U		40	Q

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

QC Batch: WETA/35963 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35138412001, 35138412002, 35138412003

METHOD BLANK: 905974 Matrix: Water
Associated Lab Samples: 35138412001, 35138412002, 35138412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	0.043U	0.050	05/18/14 11:47	

LABORATORY CONTROL SAMPLE: 905975

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 905976 905977

Parameter	Units	35138412002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.043U	5	5	4.9	4.9	98	98	90-110	.2	20	Q

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

QC Batch: WETA/35964 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35138412001, 35138412002, 35138412003

METHOD BLANK: 905978 Matrix: Water
Associated Lab Samples: 35138412001, 35138412002, 35138412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	2.5U	5.0	05/18/14 11:47	

LABORATORY CONTROL SAMPLE: 905979

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	50	49.8	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 905980 905981

Parameter	Units	35138412002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	13.5	50	50	65.5	65.3	104	104	90-110	.4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 906056 906057

Parameter	Units	35137925001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	2.5U	50	50	49.8	50.0	96	96	90-110	.4	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

QC Batch: WETA/36432 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35138412001, 35138412002, 35138412003

METHOD BLANK: 919363 Matrix: Water
Associated Lab Samples: 35138412001, 35138412002, 35138412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.050	06/04/14 15:08	

LABORATORY CONTROL SAMPLE: 919364

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	100	90-110	

MATRIX SPIKE SAMPLE: 919366

Parameter	Units	35138412002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.049 I	1	0.96	91	90-110	

SAMPLE DUPLICATE: 919365

Parameter	Units	35138412002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.049 I	0.057		20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

QC Batch: WETA/36184 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 35138412001, 35138412002, 35138412003

METHOD BLANK: 912637 Matrix: Water
Associated Lab Samples: 35138412001, 35138412002, 35138412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.086U	0.50	05/30/14 13:37	

LABORATORY CONTROL SAMPLE: 912638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	20	21.3	107	90-110	

MATRIX SPIKE SAMPLE: 912640

Parameter	Units	35138412001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.086U	20	21.0	105	90-110	

SAMPLE DUPLICATE: 912639

Parameter	Units	35138412001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.086U	0.086U		20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

QC Batch: WETA/36354 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 35138412001, 35138412002, 35138412003

METHOD BLANK: 917210 Matrix: Water
Associated Lab Samples: 35138412001, 35138412002, 35138412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.025U	0.050	06/02/14 15:30	

LABORATORY CONTROL SAMPLE: 917211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.2	109	90-110	

MATRIX SPIKE SAMPLE: 917213

Parameter	Units	35138412001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.025U	2	2.3	113	80-120	

MATRIX SPIKE SAMPLE: 917215

Parameter	Units	35139663001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	3.6	2	5.5	98	80-120	L

SAMPLE DUPLICATE: 917212

Parameter	Units	35138412001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.025U	0.025U		20	

SAMPLE DUPLICATE: 917214

Parameter	Units	35139663001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	3.6	3.6	.1	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

QC Batch: WETA/36185 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 35138412001, 35138412002, 35138412003

METHOD BLANK: 912643 Matrix: Water
Associated Lab Samples: 35138412001, 35138412002, 35138412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus, Total (as P)	mg/L	0.050U	0.10	05/30/14 14:10	

LABORATORY CONTROL SAMPLE: 912644

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus, Total (as P)	mg/L	4	3.9	99	90-110	

MATRIX SPIKE SAMPLE: 912646

Parameter	Units	35138412001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus, Total (as P)	mg/L	0.050U	4	4.2	104	80-120	

SAMPLE DUPLICATE: 912645

Parameter	Units	35138412001 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: Sarasota Central Landfill SW
Pace Project No.: 35138412

QC Batch: WETA/35981
QC Batch Method: EPA 410.4
Analysis Method: EPA 410.4
Analysis Description: 410.4 COD
Associated Lab Samples: 35138412001

METHOD BLANK: 906260
Matrix: Water
Associated Lab Samples: 35138412001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5U	20.0	05/20/14 14:13	

LABORATORY CONTROL SAMPLE: 906261

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	517	103	90-110	

MATRIX SPIKE SAMPLE: 906263

Parameter	Units	35136550001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	12.5U	500	470	94	90-110	

SAMPLE DUPLICATE: 906262

Parameter	Units	35136550001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	12.5U	12.5U		20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

QC Batch: WETA/36159
QC Batch Method: EPA 410.4
Analysis Method: EPA 410.4
Analysis Description: 410.4 COD
Associated Lab Samples: 35138412002, 35138412003

METHOD BLANK: 912433 Matrix: Water
Associated Lab Samples: 35138412002, 35138412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5U	20.0	05/28/14 15:43	

LABORATORY CONTROL SAMPLE: 912434

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	536	107	90-110	

MATRIX SPIKE SAMPLE: 912436

Parameter	Units	35138375001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	289	5000	5360	101	90-110	

SAMPLE DUPLICATE: 912435

Parameter	Units	35138375001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	289	335	15	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

QC Batch: WETA/35979 Analysis Method: SM 5310B
QC Batch Method: SM 5310B Analysis Description: 5310B TOC
Associated Lab Samples: 35138412001, 35138412002, 35138412003

METHOD BLANK: 906249 Matrix: Water
Associated Lab Samples: 35138412001, 35138412002, 35138412003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50U	1.0	05/19/14 22:42	

LABORATORY CONTROL SAMPLE: 906250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	20	19.9	99	90-110	

MATRIX SPIKE SAMPLE: 906252

Parameter	Units	35138377001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	7.8	20	28.5	103	80-120	

MATRIX SPIKE SAMPLE: 906254

Parameter	Units	35138412003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	22.7	20	42.2	98	80-120	

SAMPLE DUPLICATE: 906251

Parameter	Units	35138377001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	7.8	7.9	1	20	

SAMPLE DUPLICATE: 906253

Parameter	Units	35138412003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	22.7	22.1	3	20	

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QUALIFIERS

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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TNI - The NELAC Institute.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J(L0)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L	Off-scale high. Actual value is known to be greater than value given.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
Q	Sample held beyond the accepted holding time.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35138412002	Pond 1		FLD/		
35138412003	Pond 2		FLD/		
35138412001	Field Blank	EPA 8011	OEXT/17406	EPA 8011	GCSV/11384
35138412002	Pond 1	EPA 8011	OEXT/17406	EPA 8011	GCSV/11384
35138412003	Pond 2	EPA 8011	OEXT/17406	EPA 8011	GCSV/11384
35138412001	Field Blank	EPA 3010	MPRP/18624	EPA 6010	ICP/11515
35138412002	Pond 1	EPA 3010	MPRP/18624	EPA 6010	ICP/11515
35138412003	Pond 2	EPA 3010	MPRP/18624	EPA 6010	ICP/11515
35138412001	Field Blank	EPA 3010	MPRP/18625	EPA 6020	ICPM/7528
35138412002	Pond 1	EPA 3010	MPRP/18625	EPA 6020	ICPM/7528
35138412003	Pond 2	EPA 3010	MPRP/18625	EPA 6020	ICPM/7528
35138412001	Field Blank	EPA 1631E	MERP/6694	EPA 1631E	MERC/6447
35138412002	Pond 1	EPA 1631E	MERP/6694	EPA 1631E	MERC/6447
35138412003	Pond 2	EPA 1631E	MERP/6694	EPA 1631E	MERC/6447
35138412001	Field Blank	EPA 8260	MSV/11804		
35138412002	Pond 1	EPA 8260	MSV/11804		
35138412003	Pond 2	EPA 8260	MSV/11804		
35138412004	Trip Blank Z	EPA 8260	MSV/11804		
35138412001	Field Blank	SM 2540C	WET/25076		
35138412002	Pond 1	SM 2540C	WET/25076		
35138412003	Pond 2	SM 2540C	WET/25076		
35138412001	Field Blank	SM 2540D	WET/25108		
35138412002	Pond 1	SM 2540D	WET/25108		
35138412003	Pond 2	SM 2540D	WET/25108		
35138412001	Field Blank	SM10200	WET/25032	SM10200	WET/25041
35138412002	Pond 1	SM10200	WET/25032	SM10200	WET/25041
35138412003	Pond 2	SM10200	WET/25032	SM10200	WET/25041
35138412001	Field Blank	TKN+NOx Calculation	WET/25285		
35138412002	Pond 1	TKN+NOx Calculation	WET/25285		
35138412003	Pond 2	TKN+NOx Calculation	WET/25285		
35138412001	Field Blank	EPA 300.0	WETA/35963		
35138412002	Pond 1	EPA 300.0	WETA/35963		
35138412003	Pond 2	EPA 300.0	WETA/35963		
35138412001	Field Blank	EPA 300.0	WETA/35964		
35138412002	Pond 1	EPA 300.0	WETA/35964		
35138412003	Pond 2	EPA 300.0	WETA/35964		
35138412001	Field Blank	EPA 350.1	WETA/36432		
35138412002	Pond 1	EPA 350.1	WETA/36432		
35138412003	Pond 2	EPA 350.1	WETA/36432		
35138412001	Field Blank	EPA 351.2	WETA/36184	EPA 351.2	WETA/36294
35138412002	Pond 1	EPA 351.2	WETA/36184	EPA 351.2	WETA/36294
35138412003	Pond 2	EPA 351.2	WETA/36184	EPA 351.2	WETA/36294

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill SW
Pace Project No.: 35138412

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35138412001	**Field Blank**	EPA 353.2	WETA/36354		
35138412002	**Pond 1**	EPA 353.2	WETA/36354		
35138412003	**Pond 2**	EPA 353.2	WETA/36354		
35138412001	**Field Blank**	EPA 365.4	WETA/36185	EPA 365.4	WETA/36295
35138412002	**Pond 1**	EPA 365.4	WETA/36185	EPA 365.4	WETA/36295
35138412003	**Pond 2**	EPA 365.4	WETA/36185	EPA 365.4	WETA/36295
35138412001	**Field Blank**	EPA 410.4	WETA/35981		
35138412002	**Pond 1**	EPA 410.4	WETA/36159		
35138412003	**Pond 2**	EPA 410.4	WETA/36159		
35138412001	**Field Blank**	SM 5310B	WETA/35979		
35138412002	**Pond 1**	SM 5310B	WETA/35979		
35138412003	**Pond 2**	SM 5310B	WETA/35979		

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CHAIN OF CUSTODY RECORD

No. E

Page 1 of 2

FOR LAB USE ONLY
Condition of Contents:
Temp.
Addres
City
Addres
City State Zip Code Fax: ( )

WO#: 35138412
35138412

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services

2. Report to: (if different from above)
Cesar Rodriguez

3. Client Project Name:
Central Cty Solid Waste disposal surface water

4. Client Project No.:
No.: 140136

6. Custody Seal No.:

7. Sampled By: Alison Eggleston

8. Shipping Method:

Water Sample Codes (for Item 13)
DW - Drinking Water
GW - Ground Water
SW - Surface Water
PW - Processed Water
WW - Waste Water

Container Codes (for Item 16)
V - VOA vial
G - glass
P - plastic
M - micro bag/cup
O - other

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush: / /

Preservative Codes (for Item 15)
C - Cool Only
H - Hydrochloric Acid
M - Monochloroacetic Acid
N - Nitric Acid
OH - Sodium Hydroxide
S - Sulfuric Acid
T - Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Codes)	Air	Soil	Sludge	Other	14.	15. Preservatives	H	C	H	N	S	C	C	T
													16. Containers	V	V	V	P	P	P	P	M
													17.	VOC 258 App I	EDB 258 App I	TOC	Metals 258 App I (4 Fe)	Nutrients 258 App I	Misc Inorganics	Chlorophyll A	Fecal coliform
1		Field blank	05/16/14	0945		X	SW					3	A,B,C								
2						X	SV					2		D,E							
3						X	SW					2			F,G						
4						X	SW					1				H					
5						X	SW					1					I				
6						X	SW					2						JK			
7						X	SW					1							L		
8		▼				X	SW					1								M	
9		▼				X	SW														
10																					

20. REMARK	LAB USE ONLY LAB SAMPLE NO.
F,G: TOC	
H: Fe	
I: Un-ionized Ammonia,	
Tot N, total phosphorus	
K,L,: COD, BOD, Tot. hardness	
TSS, TDS	
Nitrate	
O: Chlorophyll A	
M: Fecal coliform,	Benchmark

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Alison Eggleston	05/16/14	1120	[illegible]	5-16-14	112.
2 BSI	5-17-14	064	Andrew [illegible]	5/17/14	0300
3				2.2	T-165
4					

FOR LAB USE ONLY
Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.:
Quote No.:

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Please see attached

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CHAIN OF CUSTODY RECORD

No. E

Page 2 of 2

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Condition of Contents:
Temp. of Contents: 5.0 °C (or Received on Ice, ROI)
Condition of Seals:

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services

Address: 1255 T Mabry Carlton Parkway
City Venice State Fl. Zip Code 34293
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez

Address:
City State Zip Code
Phone: ( )
Fax: ( )

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

3. Client Project Name:
Central Cty Solid Waste disposal surface water

4. Client Project No.:

No.: 140136

6. Custody Seal No.:

7. Sampled By: Alison Eggleston

8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

14. 15. Preservatives C
16. Containers G

17. Low level mercury

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Code)	13. Air	13. Soil	13. Sludge	13. Other	14.	15.	16.	17.	20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1		Field blank	05/16/14	0945		X	SW					1	N				
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Alison Eggleston	05/16/14	1120	[illegible] FAC	5-16-14	1120
2 BC	5-17-14	0800	[illegible]	5/17/14	0800
3				22	1165
4					

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Sampling Fee: Hrs
Equipment Rental Fee:
Profile No.: Quote No.:

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CHAIN OF CUSTODY RECORD

No. E

Page 1 of 2

FOR LAB USE ONLY
Temp. of Contents: 5.0 °C (or Received on Ice, ROI)
Condition of Contents:
Condition of Seals:

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)	Address: 1255 T Mabry Carlton Parkway	Phone: (941)650-9834
Sarasota County Environmental Services	City Venice State Fl. Zip Code 34293	Fax: (941)480-3558
2. Report to: (if different from above)	Address:	Phone: ( )
Cesar Rodriguez	City State Zip Code	Fax: ( )

18. Report Type: X Routine; With QC
19. Turnaround Time: X Standard; Rush : / /

3. Client Project Name: Central Cty Solid Waste disposal surface water
4. Client Project No.:
No.: 140136
6. Custody Seal No.:
7. Sampled By: Alison Eggleston
8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW – Drinking Water	V – VOA vial
GW – Ground Water	G – glass
SW – Surface Water	P – plastic
PW – Processed Water	M – micro bag/cup
WW – Waste Water	O – other

Preservative Codes (for Item 15)
C – Cool Only
H – Hydrochloric Acid
M – Monochloroacetic Acid
N – Nitric Acid
OH – Sodium Hydroxide
S – Sulfuric Acid
T – Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Code)	13. Air	13. Soil	13. Sludge	13. Other	14.	VOC 258 App I	EDB 258 App I	TOC	Metals 258 App I (+ Fe)	Nutrients 258 App I	Misc Inorganics	Chlorophyll A	Fecal coliform	'20 REMARK	LAB USE ONLY LAB SAMPLE NO.
	15. Preservatives												H			H	N	S	C	C	T	
	16. Containers												V	V		V	P	P	P	P	M	
1	8824	Pond 1	05/16/14	1005		X	SW					3	A,B,C									F,G: TOC	
2		"	"	"		X	SW					2		D,E								H: Fe	
3		"	"	"		X	SW					2			F,G							I: Un-ionized Ammonia,	
4		"	"	"		X	SW					1				H						Tot N, total phosphorus	
5		"	"	"		X	SW					1					I					K,L,: COD, BOD, Tot. hardness, TDS	
6		"	"	"		X	SW					2						JK				TSS,	
7		"	"	"		X	SW					1							L			Nitrate	
8		▼				X	SW					1									M	O: Chlorophyll A	
9		▼	↓	↓		X	SW															M: Fecal coliform,	
10																						(Benchwork Only)	

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Alison Eggleston	05/16/14	1120	[illegible]	5/16/14	11:20
2 :55c	5/17/14	0600	Andrew Smith	5/17/14	0300
3				2-2	T-165
4					

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Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.: Quote No.:

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CHAIN OF CUSTODY RECORD

No. E

FOR LAB USE ONLY
Condition of Contents:
Temp. of Contents: °C (or Received on Ice, ROI) Condition of Seals:

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services

Address: 1255 T Mabry Carlton Parkway
City Venice State Fl. Zip Code 34293
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez

Address:
City State Zip Code
Phone: ( )
Fax: ( )

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

3. Client Project Name:
Central Cty Solid Waste disposal surface water

4. Client Project No.:
No.: 140136

6. Custody Seal No.:

7. Sampled By: Alison Eggleston

8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

14. 15. Preservatives C
16. Containers G
17. Low level mercury

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Codes)	Air	Soil	Sludge	Other	14.	15.	16.	17.	20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1	8824	Pond 1	05/16/14	1005		X	SW					1	N				
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1	05/16/14	1120		5/16/14	1120
2	5-17-14	0900		5/17/14	0900
3				2:3	T-165
4					

FOR LAB USE ONLY
Sampling Fee: Hrs
Equipment Rental Fee:
Profile No.: Quote No.:

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CHAIN OF CUSTODY RECORD

No. E

Page 1 of 2

FOR LAB USE ONLY
Temp. of Contents: 5.0 °C (or Received on Ice, ROI)
Condition of Contents: cf=0 TV-4
Condition of Seals:

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services

Address: 1255 T Mabry Carlton Parkway
City Venice State Fl. Zip Code 34293
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez

Address:
City State Zip Code
Phone: ( )
Fax: ( )

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

3. Client Project Name:
Central Cty Solid Waste disposal surface water

4. Client Project No.:
No.: 140136

6. Custody Seal No.:

7. Sampled By: Alison Eggleston

8. Shipping Method:

Water Sample Codes (for Item 13)		Container Codes (for Item 16)	
DW	Drinking Water	V	VOA vial
GW	Ground Water	G	glass
SW	Surface Water	P	plastic
PW	Processed Water	M	micro bag/cup
WW	Waste Water	O	other

Preservative Codes (for Item 15)	
C	Cool Only
H	Hydrochloric Acid
M	Monochloroacetic Acid
N	Nitric Acid
OH	Sodium Hydroxide
S	Sulfuric Acid
T	Sodium Thiosulfate

14. 15. Preservatives: H C H N S C C T
16. Containers: V V V P P P P M
17.

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	Comp.	Grab	12. Water (Code)	Air	Soil	Sludge	Other	13.	VOC 258 App I	EDB 258 App I	TOC	Metals 258 App I (+ Fe)	Nutrients 258 App I	Misc Inorganics	Chlorophyll A	Fecal coliform	20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1	8825	Pond 2	05/16/14	1040		X	SW					3	A,B,C								F,G: TOC	
2		"	"	"		X	SW					2		D,E							H: Fe	
3		"	"	"		X	SW					2			F,G						I: Un-ionized Ammonia,	
4		"	"	"		X	SW					1				H					Tot N, total phosphorus	
5		"	"	"		X	SW					1					1				K,L,: COD, BOD, Tot. hardness	
6		"	"	"		X	SW					2						JK			TSS, TDS	
7		"	"	"		X	SW					1							L		Nitrate	
8		▼	▼	▼		X	SW					1								M	O: Chlorophyll A	
9		▼	▼	▼		X	SW														M: Fecal coliform	
10		Trip blank Z	05/16/14									X										

3

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Alison Eggleston	05/16/14	1120		5-16-14	1120
2 ISC	5-17-14	08:00	Andrew Smith	5/17/14	0300
3				2-2	7-165
4					

FOR LAB USE ONLY
Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.: Quote No.:

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CHAIN OF CUSTODY RECORD

No. E

Page 2 of 2

CK: 0
TJ-14

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Condition of Contents:
Temp. of Contents: 5.0 °C (or Received on Ice, ROI)
Condition of Seals:

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services

Address: 1255 T Mabry Carlton Parkway
City Venice State Fl. Zip Code 34293
Phone: (941)650-9834
Fax: (941)480-3558

18. Report Type:
X Routine
With QC

2. Report to: (if different from above)
Cesar Rodriguez

Address:
City State Zip Code
Phone: ( )
Fax: ( )

19. Turnaround Time
X Standard
Rush: / /

3. Client Project Name:
Central Cty Solid Waste disposal surface water

4. Client Project No.:
No.: 140136

6. Custody Seal No.:

7. Sampled By: Alison Eggleston

8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW - Drinking Water	V - VOA vial
GW - Ground Water	G - glass
SW - Surface Water	P - plastic
PW - Processed Water	M - micro bag/cup
WW - Waste Water	O - other

14. 15. Preservatives C
16. Containers G
17.

Preservative Codes (for Item 15)
C - Cool Only
H - Hydrochloric Acid
M - Monochloroacetic Acid
N - Nitric Acid
OH - Sodium Hydroxide
S - Sulfuric Acid
T - Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Codes)	Air	Soil	Sludge	Other	Low level mercury	20. REMARK	LAB USE ONLY LAB SAMPLE NO.
1	8825	Pond 2	05/16/14	1040		X	SW					1 N		
2														
3														
4														
5														
6														
7														
8														
9														
10														

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Alison Eggleston	05/16/14	1120	[illegible]	5/16/14	1120
2 SE	5-17-14	0600	Amarillo Smith	5/17/14	0300
3				2-2	T-165
4					

FOR LAB USE ONLY
Sampling Fee: Hrs
Equipment Rental Fee:
Profile No.: Quote No.:

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Please analyze the following parameters

Unionized Ammonia ✓

Total Hardness ✓

Biochemical Oxygen Demand ✓

Iron ✓

Mercury (low level) ✓

Nitrate ✓

Total dissolved Solids ✓

Total Organic Carbon ✓

Fecal Coliform ✓ → Benchmark

Total Phosphorus ✓

Chlorophyll A ✓

Total Nitrogen ✓

Chemical Oxygen Demand ✓

Total suspended Solids ✓

Those compounds on Appendix I

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

Sample Condition Upon Receipt Form (SCUR)

Table Number:_____

Client Name: Sarasota Project # 35138412

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

Tracking #_____

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

Date and Initials of person examining contents: 05/12/14 AS 0300

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

Thermometer Used T-165 Type of Ice: (Wet) Blue None

Cooler Temperature °C 2.3 (Visual) -0.1 (Correction Factor) 2.2 (Actual)

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

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

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

Client Notification/ Resolution:

Person Contacted:_____ Date/Time:_____

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

Project Manager Review:_____ Date:_____

Finished Product Information Only

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:_____

DEP-SOP-001/01
FT 1100 Field Measurement of Hydrogen Ion Activity (pH)

Form FD 9000-7: Field Parameter Data Sheet for Surface Water

SURVEY/PROJECT Canal SW SAMPLERS AE + JS METER # 151-556

STATION NUMBER	STATION DESCRIPTION	PARAMETER	DATE	TIME	TOTAL DEPTH	SAMPLE DEPTH	WATER TEMP	DO	%SAT DO	COND	SALINITY	PH	TURBIDITY
		UNIT	yy/mm/dd	hr:min	feet	feet	Celsius	mg/L	%	µS/cm	ppt	su	NTU
		STORET CODE	73672		81903	68	10	299	301	94	480	400	82079
8824	SW-1		14/05/16	10:05	2	0.0	25.05	1.91	—	556	—	7.85	5.16
8825	SW-2		14/05/16	10:40	2	0.0	24.17	4.12	—	643	—	830	13.6

FIELD CONDITIONS FOR STATION# _____ AT TIME _____

CLOUD COVER (%): _____ WIND DIRECTION: _____ TIDAL STAGE: _____

PREVIOUS RAINFALL: _____ WIND SPEED (MPH/KNOTS): _____ WAVE CONDITIONS: _____

Note: This Sheet is used for recording Sample Data – Calibration Information must also be documented

Revision Date: February 1, 2004

Chain of Custody

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www.pacelabs.com

Workorder: 35138412 **Workorder Name:** Central Cty Solid Waste Dispos **Owner Received Date:** 5/17/2014 **Results Requested By:** 6/3/2014

Report To	Subcontract To
Joe Vondrick Pace Analytical Services, Inc. 8 East Tower Circle Ormond Beach, FL 32174 Phone (386)672-5668 Fax (386)672-5668	Pace Analytical Ashville 2225 Riverside Dr. Asheville, NC 28804 Phone (828)254-7176

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Other	Requested Analysis: 1631-Low-Level Mercury - needs results and QC reported in ug/L	LAB USE ONLY
1	Field Blank	PS	5/16/2014 09:45	35138412001	Water	1	X	
2	Pond 1	PS	5/16/2014 10:05	35138412002	Water	1	X	
3	Pond 2	PS	5/16/2014 10:40	35138412003	Water	1	X	
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1				
2				
3				

Comments

Cooler Temperature on Receipt °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

Please E-Mail all results in a NELAC-compliant Florida MDL PDF format to the PM listed above as soon as possible

BENCHMARK
EnviroAnalytical Inc.

NELAC Certification # E84167

ANALYTICAL TEST REPORT
THESE RESULTS MEET NELAC STANDARDS

Submission Number : 14050610

Pace Analytical Services, Inc.
8 East Tower Circle
Ormond Beach, Fl 32174

Joe Vondrick

Project Name : CENTRAL CTY SOLID WASTE DISPOSAL
Date Received : 05/16/2014
Time Received : 1405

Submission Number 14050610

Sample Number: 001
Sample Date: 05/16/2014
Sample Time: 1005
Sample Description: 8824 Pond 1
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date	Analysis Time	Analyst
FECAL COLIFORM	100 B	#/100 ML	100	100	SM9222D	05/16/2014	14:43	KD

Submission Number 14050610

Sample Number: 002
Sample Date: 05/16/2014
Sample Time: 1040
Sample Description: 8825 Pond 2
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date	Analysis Time	Analyst
FECAL COLIFORM	210	#/100 ML	10	10	SM9222D	05/16/2014	14:43	KD

Submission Number 14050610

Sample Number: 003
Sample Date: 05/16/2014
Sample Time: 0945
Sample Description: Field Blank
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date	Analysis Time	Analyst
FECAL COLIFORM	10 U	#/100 ML	10	10	SM9222D	05/16/2014	14:43	KD

BENCHMARK
EnviroAnalytical Inc.

NELAC Certification # E84167

05/20/2014

Dale D. Dixon / Laboratory Director — Date

Tülay Tanrisever/ QC Officer

Jessica Sierra Medina / QC Officer

DATA QUALIFIERS THAT MAY APPLY:

A = Value reported is an average of two or more determinations.

B = Results based upon colony counts outside the ideal range.

H = Value based on field kit determination. Results may not be accurate.

I = Reported value is between the laboratory MDL and the PQL.

J = Estimated value.

J1 = Est. value surrogate recovery limits exceeded.

J2 = Est. value. No quality control criteria exists for component.

J3 = Est. value quality control criteria for precision or accuracy not met.

J4 = Est. value. Sample matrix interference suspected.

J5 = Est. value. Data questionable due to improper lab or field protocols

K = Off-scale low. Value is known to be < the value reported.

L = Off-scale high. Value is known to be > the value reported

NOTES:

PQL = 4xMDL.

MBAS calculated as LAS; molecular weight = 340.

X = Value exceed MCL.

N = Presumptive evidence of presence of material.

O = Sampled, but analysis lost or not performed.

Q = Sample held beyond accepted hold time.

T = Value reported is < MDL. Reported for informational purposes only and shall not be used in statistical analysis.

U = Analyte analyzed but not detected at the value indicated.

V = Analyte detected in sample and method blank.Results for this analyte in associated samples may be biased high. Standard , Duplicate and Spike values are within control limits. Reported data are usable

Y = Analysis performed on an improperly preserved sample. Data may be inaccurate.

Z = Too many colonies were present (TNTC). The numeric value represents the filtration volume.

I = Data deviate from historically established concentration ranges.

? = Data rejected and should not be used. Some or all of QC data were outside criteria, and the Presence or absence of the analyte cannot be determined from the data.

* = Not reported due to interference.

ND = Not Detected at or above adjusted reporting limit.

NOTES:

For questions and comments regarding these results, please contact Bettina Beilfuss at (941) 723-9986

Results relate only to the samples.

CHAIN OF CUSTODY RECORD

No. E

Page 1 of 2

Pace Analytical
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668 • FAX (386)673-4001
(INSTRUCTIONS ON BACK OF THIS FORM)

FOR LAB USE ONLY
Temp. of Contents: 1.9 °C (or Received on Ice, ROI)
Condition of Contents:
Condition of Seals:

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services

Address: 1255 T Mabry Carlton Parkway
City Venice State Fl. Zip Code 34293
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez

Address:
City State Zip Code
Phone: ( )
Fax: ( )

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

3. Client Project Name:
Central Cty Solid Waste disposal surface water

4. Client Project No.:
No.: 140136

6. Custody Seal No.:

7. Sampled By: Alison Eggleston

8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Codes)	13. Air	13. Soil	13. Sludge	13. Other	14.	15. Preservatives	16. Containers	17. VOC 258 Appl	EDB 258 Appl	TOC	Metals 258 Appl (4 + Fe)	Nutrients 258 Appl	Misc-Inorganics	Chlorophyll A	Fecal coliform	20. REMARK	LAB USE ONLY LAB SAMPLE NO.
													H	C	H	N	S	C	C	T			
													V	V	V	P	P	P	P	M			
1	8824	Pond 1	5/16/14	1005		X	SW					3	A,B,C										F,G: TOC	14050610-1
2						X	SW					2		D,E									H: Fe	
3						X	SW					2			F,G								I: Un-ionized Ammonia,	
4						X	SW					1				H							Tot N, total phosphorus	
5						X	SW					1					I						K,L,: COD, BOD, Tot. hardness 725	
6						X	SW					2						JK					TSS,	
7						X	SW					1							L				Nitrate	
8		▼				X	SW					1									M		O: Chlorophyll A	
9		▼				X	SW																M: Fecal coliform,	
10		T																					(Benchmark Only)	

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Alison Eggleston	5/16/14	1210	Jerry L. Johnson	5/16/14	1315
2 Jerry L. Johnson	5/16/14	1405		5/16/14	1405
3					
4					

FOR LAB USE ONLY
Sampling Fee: Hrs.
Equipment Rental Fee:
Profile No.
Quote No.

DISTRIBUTION: White with report; make copies as needed

Revised: 1/99

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3 of 6

Pace Analytical

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Ormond Beach, FL 32174
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CHAIN OF CUSTODY RECORD No. E

Page 1 of 2

FOR LAB USE ONLY
Temp. of Contents: 1.9 °C (or Received on Ice, ROI)
Condition of Contents:
Condition of Seals:

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services

Address: 1255 T Mabry Carlton Parkway
City Venice State Fl. Zip Code 34293
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez

Address:
City State Zip Code
Phone: ( )
Fax: ( )

18. Report Type:
X Routine
With QC

19. Turnaround Time:
X Standard
Rush : / /

3. Client Project Name:
Central Cty Solid Waste disposal surface water

4. Client Project No.:

No.: 140136

6. Custody Seal No.:

7. Sampled By: Alison Eggleston

8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Codes)	Air	Soil	Sludge	Other	14.	15. Preservatives	16. Containers	17. VOC 258 App I	EDB 258 App I	FOG	Metals 258 App I + Ca + Fe	Nutrients 258 App I	Misc Inorganics	Chlorophyll A	Fecal coliform	20. REMARK	FOR LAB USE ONLY LAB SAMPLE NO.
													H	V	V			V	P	P	P	P	M	
1	8825	Pond 2	5/16/14	1040		X	SW					3	A,B,C										F,G: TOC	14050610-2
2						X	SW					2		D,E									H: Fe	
3						X	SW					2			F,G								I: Un-ionized Ammonia,	
4						X	SW					1				H							Tot N, total phosphorus	
5						X	SW					1					I						K,L,: COD, BOD, Tot. hardness	
6						X	SW					2						JK					TSS, TDS	
7						X	SW					1							L				Nitrate	
8		▼				X	SW					1								M			O: Chlorophyll A	
9		▼				X	SW																M: Fecal coliform (Benchwork)	
10		~~Trip blank~~ AZ										X												

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1	5/16/14	1210	Jerry L. Johnson	5/16/14	1315
2	5/16/14	1405		5/16/14	1405
3					
4					

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Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.: Quote No.:

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Revised: 1/99

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Ormond Beach, FL 32174
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CHAIN OF CUSTODY RECORD

No. E

Page 1 of 2

FOR LAB USE ONLY
Temp. of Contents: 19 °C (or Received on Ice, ROI)
Condition of Contents:
Condition of Seals:

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)	Address: 1255 T Mabry Carlton Parkway	Phone: (941)650-9834	18. Report Type: X Routine / With QC
Sarasota County Environmental Services	City Venice State Fl. Zip Code 34293	Fax: (941)480-3558	
2. Report to: (if different from above)	Address:	Phone: ( )	19. Turnaround Time: X Standard / Rush : / /
Cesar Rodriguez	City State Zip Code	Fax: ( )	

3. Client Project Name: Central Cty Solid Waste disposal surface water
4. Client Project No.:
No.: 140136
6. Custody Seal No.:
7. Sampled By: Alison Eggleston
8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Codes)	Air	Soil	Sludge	Other	14.	15. Preservatives / 16. Containers	VOC 258 Appx I	EDB 258 Appx I	FOG	Metals 258 App I (+ Fe)	Nutrients 258 App I	Misc Inorganics	Chlorophyll A	Fecal coliform	20. REMARK	LAB USE ONLY LAB SAMPLE NO.
													H V	C V	H V	N P	S P	C P	C P	T M			
1		Field blank	5/16/14	0945		X	SW					3	A,B,C									F,G: TOC	140506616-3
2		"	"	"		X	SW					2		D,E								H: Fe	
3		"	"	"		X	SW					2			F,G							I: Un-ionized Ammonia,	
4		"	"	"		X	SW					1				H						Tot N, total phosphorus	
5		"	"	"		X	SW					1					I					K,L,: COD, BOD, Tot. hardness	
6		"	"	"		X	SW					2						JK				TSS, F TDS	
7		"	"	"		X	SW					1							L			Nitrate	
8		▼	"	"		X	SW					1								M •		O: Chlorophyll A	
9		▼	"	"		X	SW															M: Fecal coliform,	Benchmark
10																							

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Alison Eggleston	5/16/14	1210	Jerry L Johnson	5/16/14	1315
2 Jerry L Johnson	5/16/14	1405		5/16/14	1405
3					
4					

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Equipment Rental Fee: _____
Profile No.
Quote No.

DISTRIBUTION: White with report; make copies as needed

Revised: 1/99

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5 of 6

DEP-SOP-001/01
FT 1100 Field Measurement of Hydrogen Ion Activity (pH)

Form FD 9000-7: Field Parameter Data Sheet for Surface Water

SURVEY/PROJECT: Central SW SAMPLERS: AE + JS METER #: 151-556

STATION NUMBER	STATION DESCRIPTION	PARAMETER	DATE	TIME	TOTAL DEPTH	SAMPLE DEPTH	WATER TEMP	DO	%SAT DO	COND	SALINITY	PH	TURBIDITY
		UNIT	yy/mm/dd	hr:min	feet	feet	Celsius	mg/L	%	µS/cm	ppt	su	NTU
		STORET CODE	73672		81903	68	10	299	301	94	480	400	82078
8824	SW-1		14/05/16	10:05	2	0.6	25.05	1.91	—	556	—	7.85	5.16
8825	SW-2		14/05/16	10:40	2	0.6	24.17	4.12	—	643	—	8.30	18.6

FIELD CONDITIONS FOR STATION# _____ AT TIME _____:

CLOUD COVER (%): _____ WIND DIRECTION: _____ TIDAL STAGE: _____

PREVIOUS RAINFALL: _____ WIND SPEED (MPH/KNOTS): _____ WAVE CONDITIONS: _____

Note: This Sheet is used for recording Sample Data – Calibration information must also be documented

Revision Date: February 1, 2004

INVOICE

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

Pace Analytical™
www.pacelabs.com

Invoice Number: 1435029418
Date: 06/05/2014
Total Amount Due: $1,000.50

Sold To:

Finance Dept.
Sarasota County
P.O. Box 8
Sarasota, FL 34230-0008
(941) 650-9834

Please Remit To:

Pace Analytical Services, Inc.
P.O. Box 684056
Chicago, IL 60695-4056

Client Number/Client ID	Purchase Order No	Pace Project Mgr	Terms	Page
35-000303 / SARCOU	PO 140136	Joe Vondrick	Net 30 Days**	1

Client Project: Sarasota Central Landfill SW
Client Name: Sarasota County
Pace Project No: 35138412
Sample Received: 5/17/2014
Report Sent To: Mr. Cesar Rodriquez, Sarasota County
Comments:

ANALYTICAL CHARGES

Quantity	Unit	Description	Method	Matrix	Price	Total
1	Ea	111 EPA 8260 Volatile Organics trip	EPA 8260	Water	$60.00	$60.00
3	Ea	113 40 CFR 258 App I	EPA 8260	Water	$120.00	$360.00
3	Ea	2540C Total Dissolved Solids	SM 2540C	Water	$7.50	$22.50
3	Ea	2540D Total Suspended Solids	SM 2540D	Water	$10.00	$30.00
3	Ea	300.0 IC Anions	EPA 300.0	Water	$0.00	$0.00
3	Ea	300.0 IC Anions NO3	EPA 300.0	Water	$7.00	$21.00
3	Ea	350.1 Ammonia	EPA 350.1	Water	$7.00	$21.00
3	Ea	351.2 Total Kjeldahl Nitrogen	EPA 351.2	Water	$15.00	$45.00
3	Ea	353.2 Nitrogen, NO2/NO3	EPA 353.2	Water	$7.00	$21.00
3	Ea	365.4 Total Phosphorus	EPA 365.4	Water	$15.00	$45.00
3	Ea	410.4 COD	EPA 410.4	Water	$15.00	$45.00
3	Ea	5310B TOC	SM 5310B	Water	$10.00	$30.00
3	Ea	6010 ICP Metals Fe @$4 hardness @$15	EPA 6010	Water	$19.00	$57.00
3	Ea	6020 ICPMS Metals	EPA 6020	Water	$0.00	$0.00
3	Ea	8011 GCS EDB DBCP	EPA 8011	Water	$0.00	$0.00
3	Ea	Chlorophyll & Pheophytin	SM10200	Water	$18.00	$54.00
3	Ea	Field Data		Water	$0.00	$0.00
3	Ea	SI Low Level Mercury		Water	$50.00	$150.00
3	Ea	SO Fecal Coliform		Water	$13.00	$39.00
3	Ea	Total Nitrogen	TKN+NOx Calculation	Water	$0.00	$0.00

****1.5% MONTHLY FINANCE CHARGE ASSESSED AFTER 30 DAYS OR TERMS OF CONTRACT.**
PLEASE REFERENCE THE INVOICE NUMBER ON ALL REMITTANCE ADVICE.

AN EQUAL OPPORTUNITY EMPLOYER

Please complete and return copy of invoice with your payment.

INVOICE TOTAL $1,000.50

Amount Paid: $ _____

Check No: _____

Customer No: 35-000303 Invoice No: 1435029418

INVOICE

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

Pace Analytical™
www.pacelabs.com

Invoice Number: 1435029418
Date: 06/05/2014
Total Amount Due: $1,000.50

Sold To:

Finance Dept.
Sarasota County
P.O. Box 8
Sarasota, FL 34230-0008
(941) 650-9834

Please Remit To:

Pace Analytical Services, Inc.
P.O. Box 684056
Chicago, IL 60695-4056

Client Number/Client ID	Purchase Order No	Pace Project Mgr	Terms	Page
35-000303 / SARCOU	PO 140136	Joe Vondrick	Net 30 Days**	2

Client Project: Sarasota Central Landfill SW
Client Name: Sarasota County
Pace Project No: 35138412
Sample Received: 5/17/2014
Report Sent To: Mr. Cesar Rodriquez, Sarasota County
Comments:

ANALYTICAL CHARGES

Quantity	Unit	Description	Method	Matrix	Price	Total
					Analytical Subtotal	$1,000.50
			Total Number of Charges 58		**Total Invoice Amount**	**$1,000.50**

Samples Received for analysis:

Lab ID	Client Sample ID	Received
35138412001	Field Blank	5/17/2014 3:00:00
35138412002	Pond 1	5/17/2014 3:00:00
35138412003	Pond 2	5/17/2014 3:00:00
35138412004	Trip Blank Z	5/17/2014 3:00:00

If you have any questions or to pay by credit card, please contact Joe Vondrick at Pace.
Phone: (386)672-5668 Email: joe.vondrick@pacelabs.com

****1.5% MONTHLY FINANCE CHARGE ASSESSED AFTER 30 DAYS OR TERMS OF CONTRACT.**
PLEASE REFERENCE THE INVOICE NUMBER ON ALL REMITTANCE ADVICE.

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Pace Analytical®
www.pacelabs.com

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

June 03, 2014

Mr. Cesar Rodriquez
Sarasota County
1255 T. Mabry Carlton Parkway
Venice, FL 34292

RE: Project: Sarasota Central Landfill
Pace Project No.: 35138716

Dear Mr. Rodriquez:
Enclosed are the analytical results for sample(s) received by the laboratory on May 21, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

The samples were collected by laboratory staff under the guidelines outlined in Florida DEP SOP 001/-01.

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

Sincerely,

Joe Vondrick
joe.vondrick@pacelabs.com
Project Manager

Enclosures

cc: Ms. Heather Bryen, Sarasota County
Finance Dept., Sarasota County

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

CERTIFICATIONS

Project: Sarasota Central Landfill
Pace Project No.: 35138716

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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

SAMPLE SUMMARY

Project: Sarasota Central Landfill
Pace Project No.: 35138716

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35138716001	**Equipment Blank 052014**	Water	05/20/14 14:35	05/21/14 04:40
35138716002	**Pond 2re**	Water	05/20/14 14:30	05/21/14 04:40
35138716003	**Pond 1re**	Water	05/20/14 14:50	05/21/14 04:40

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill
Pace Project No.: 35138716

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35138716001	**Equipment Blank 052014**	SM 5210B	ADC	1	PASI-O
		SM10200	DCI	1	PASI-O
35138716002	**Pond 2re**	SM 5210B	ADC	1	PASI-O
		SM10200	DCI	1	PASI-O
35138716003	**Pond 1re**	SM 5210B	ADC	1	PASI-O
		SM10200	DCI	1	PASI-O

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

ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35138716

Sample: Equipment Blank 052014 **Lab ID: 35138716001** Collected: 05/20/14 14:35 Received: 05/21/14 04:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**2.0U**	mg/L	2.0	2.0	1	05/21/14 16:35	05/26/14 18:43		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
Chlorophyll a	**1.0U**	ug/L	1.0	1.0	1	05/21/14 09:12	05/23/14 10:01		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35138716

Sample: Pond 2re **Lab ID: 35138716002** Collected: 05/20/14 14:30 Received: 05/21/14 04:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**8.02**	Std. Units			1		05/20/14 14:30		
Field Temperature	**27.73**	deg C			1		05/20/14 14:30		
Field Specific Conductance	**697**	umhos/cm			1		05/20/14 14:30		
Oxygen, Dissolved	**9.36**	mg/L			1		05/20/14 14:30	7782-44-7	
Turbidity	**9.12**	NTU			1		05/20/14 14:30		
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**8.8**	mg/L	2.0	2.0	1	05/21/14 16:43	05/26/14 18:43		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
Chlorophyll a	**49.1**	ug/L	3.7	3.7	1	05/21/14 09:12	05/23/14 10:01		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35138716

Sample: Pond 1re **Lab ID: 35138716003** Collected: 05/20/14 14:50 Received: 05/21/14 04:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**8.17**	Std. Units			1		05/20/14 14:50		
Field Temperature	**28.84**	deg C			1		05/20/14 14:50		
Field Specific Conductance	**561**	umhos/cm			1		05/20/14 14:50		
Oxygen, Dissolved	**7.35**	mg/L			1		05/20/14 14:50	7782-44-7	
Turbidity	**2.52**	NTU			1		05/20/14 14:50		
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**5.4**	mg/L	2.0	2.0	1	05/21/14 17:05	05/26/14 18:43		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
Chlorophyll a	**6.2**	ug/L	3.3	3.3	1	05/21/14 09:12	05/23/14 10:01		

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35138716

QC Batch: WET/25081 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 35138716001, 35138716002, 35138716003

METHOD BLANK: 908037 Matrix: Water
Associated Lab Samples: 35138716001, 35138716002, 35138716003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	2.0U	2.0	05/26/14 18:43	

LABORATORY CONTROL SAMPLE: 908038

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	214	108	85-115	

SAMPLE DUPLICATE: 908039

Parameter	Units	35138716002 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	8.8	9.0	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35138716

QC Batch: WET/25080 Analysis Method: SM10200
QC Batch Method: SM10200 Analysis Description: Chlorophyll & Pheophytin
Associated Lab Samples: 35138716001, 35138716002, 35138716003

METHOD BLANK: 908034 Matrix: Water
Associated Lab Samples: 35138716001, 35138716002, 35138716003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlorophyll a	ug/L	1.0U	1.0	05/23/14 10:01	

SAMPLE DUPLICATE: 908035

Parameter	Units	35138633001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chlorophyll a	ug/L	4.0 mg/m3	4.2	5	40	

SAMPLE DUPLICATE: 908036

Parameter	Units	35138716002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chlorophyll a	ug/L	49.1	39.7	21	40	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: Sarasota Central Landfill
Pace Project No.: 35138716

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill
Pace Project No.: 35138716

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35138716002	**Pond 2re**		FLD/		
35138716003	**Pond 1re**		FLD/		
35138716001	**Equipment Blank 052014**	SM 5210B	WET/25081	SM 5210B	WET/25209
35138716002	**Pond 2re**	SM 5210B	WET/25081	SM 5210B	WET/25209
35138716003	**Pond 1re**	SM 5210B	WET/25081	SM 5210B	WET/25209
35138716001	**Equipment Blank 052014**	SM10200	WET/25080	SM10200	WET/25090
35138716002	**Pond 2re**	SM10200	WET/25080	SM10200	WET/25090
35138716003	**Pond 1re**	SM10200	WET/25080	SM10200	WET/25090

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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.

Section A Required Client Information:

Company:	Sarasota County
Address:	1255 T. Mabry Carlton Pkwy
	Venice, FL 34292
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Cesar Rodriguez
Copy To:	
Purchase Order No.:	
Project Name:	Central County LF Resample
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Joe Vondrick
Pace Profile #:	833

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER_____

Site Location State: FL

Requested Analysis Filtered (Y/N)

Section D Required Client Information

SAMPLE ID
One Character per box
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid 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

ITEM #	Section D SAMPLE ID	MATRIX CODE	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	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analysis Test Y/N	Analysis Test: NO3, NO2, NOX, Anions 300	Residual Chlorine Y/N	Pace Project Number / Lab I.D.
1	EQ	SW	G			5/20/14	1435		1	1									1		
2	SW-2	SW	G			5/20/14	1430		1	1									1		
3	SW-1	SW	G			5/20/14	1450		1	1									1		
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

WO# : 35138716

35138716

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	5/20/14	1700	Andrew Smith	5/21/14	0740

SAMPLE CONDITIONS

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler	Samples Intact Y/N
0			
T-163			
		N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: James Stockbridge

SIGNATURE of SAMPLER: _____ DATE Signed (MM / DD / YY): 5/20/14

Field Sampling Log

Arrived on Site Date 5/20/14 Time: 1300 Departed Site 5/20/14 Time: 1645

Sampler's Signature [signature] Sampler's Name James Shackbridge

CLIENT NAME: Sarasota County PROJECT NAME: CCSWMP SW

CLIENT CONTACT: Cesar Rodriguez SITE CONTACT:

Personnel on Site:

SITE Location: Central County

Ambient Conditions:

Brief Description of Field Activities: Collect Grab Samples

Field Equipment Used: None

Decon Procedures: Yes / (No) If Yes. Please Describe

Field Filtering: Yes / (No) If Yes. Please Describe

Sample Matrix: DW GW WW SU STW SO SE ML Other: Surface Water

Physical Characteristics of Sample :

Sampling Method: GRAB ✓ COMPOSITE

For Composite Sampling; Document Sampling Procedure for Collecting a Representative Sample:

QC Blanks: Precleaned EQB Field Cleaned EQB

Field Blanks Trip Blanks QC Samples: Duplicate Replicate Samples

Split Samples(explain)

Sx. Location	Date and Time	Parameters	Appearance	Odor	pH	Temp °C	Conductivity	DO	Turbidity
SW-2	5/20/14 1430		Cloudy	None	8.02	2273	497	9.36	4.12
EQ	5/20/14 1435								

Calibration of Meters

Meter	Y / N	Standard	Slope	Variance	Value

Other Notation's or Anomalies:

Pace Analytical Florida Laboratory	Document Name: Field Sampling Log	Date Revised: December 3, 2012
	Document Number: F-FL-C-022 rev.00	Issuing Authority: Pace Florida Quality Office

Field Sampling Log

Arrived on Site Date 5/20/14 Time: 1300 Departed Site 5/20/14 Time: 1645

Sampler's Signature [signature] Sampler's Name SAMUS STOCKBRIDGE

CLIENT NAME: SARASOTA COUNTY PROJECT NAME: CCSWDC SW

CLIENT CONTACT: CESAR RODRIGUEZ SITE CONTACT: ALLSON EGGLESTON

Personnel on Site:

SITE Location: CENTRAL COUNTY LF

Ambient Conditions:

Brief Description of Field Activities: COLLECT GRAB SAMPLE

Field Equipment Used: NONE

Decon Procedures: Yes / No If Yes. Please Describe

Field Filtering: Yes / No If Yes. Please Describe

Sample Matrix: DW GW WW SU STW SO SE ML Other: SURFACE WATER

Physical Characteristics of Sample :

Sampling Method: GRAB ✓ COMPOSITE

For Composite Sampling; Document Sampling Procedure for Collecting a Representative Sample:

QC Blanks: Precleaned EQB Field Cleaned EQB

Field Blanks Trip Blanks QC Samples: Duplicate Replicate Samples

Split Samples(explain)

Sx. Location	Date and Time	Parameters	Appearance	Odor	pH	Temp °C	Conductivity	DO	Turbidity
SW-1	5/20/14 1450		Yellow	none	8.17	28.84	561	7.35	2.52

Calibration of Meters

Meter	Y / N	Standard	Slope	Variance	Value

Other Notation's or Anomalies:

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

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: Sarasota Project # 35138716

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

Tracking # _____

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

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

Thermometer Used T-168 Type of Ice: Wet / Blue None

Cooler Temperature °C 0.3 (Visual) -0.1 (Correction Factor) 0.2 (Actual)

Date and Initials of person examining contents: 5/21/14 KS

0440

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

Receipt of samples satisfactory: ☐ Yes ☐ No

Rush TAT requested on COC:

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: 5/21

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: _____

INVOICE

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

Pace Analytical™
www.pacelabs.com

Invoice Number: 1435029112
Date: 06/03/2014
Total Amount Due: $99.00

Sold To:

Finance Dept.
Sarasota County
P.O. Box 8
Sarasota, FL 34230-0008
(941) 650-9834

Please Remit To:

Pace Analytical Services, Inc.
P.O. Box 684056
Chicago, IL 60695-4056

Client Number/Client ID	*Purchase Order No*	*Pace Project Mgr*	*Terms*	*Page*
35-000303 / SARCOU	PO 140136	Joe Vondrick	Net 30 Days**	1

Client Project: Sarasota Central Landfill
Client Name: Sarasota County
Pace Project No: 35138716
Sample Received: 5/21/2014
Report Sent To: Mr. Cesar Rodriquez, Sarasota County
Comments:

ANALYTICAL CHARGES

Quantity	Unit	Description	Method	Matrix	Price	Total
3	Ea	5210B BOD	SM 5210B	Water	$15.00	$45.00
3	Ea	Chlorophyll & Pheophytin	SM10200	Water	$18.00	$54.00
3	Ea	Field Data		Water	$0.00	$0.00
					Analytical Subtotal	$99.00

Total Number of Charges 9 **Total Invoice Amount** **$99.00**

Samples Received for analysis:

Lab ID	Client Sample ID	Received
35138716001	Equipment Blank 052014	5/21/2014 4:40:00
35138716002	Pond 2re	5/21/2014 4:40:00
35138716003	Pond 1re	5/21/2014 4:40:00

If you have any questions or to pay by credit card, please contact Joe Vondrick at Pace.
Phone: (386)672-5668 Email: joe.vondrick@pacelabs.com

****1.5% MONTHLY FINANCE CHARGE ASSESSED AFTER 30 DAYS OR TERMS OF CONTRACT.**
PLEASE REFERENCE THE INVOICE NUMBER ON ALL REMITTANCE ADVICE.

AN EQUAL OPPORTUNITY EMPLOYER

Please complete and return copy of invoice with your payment.

INVOICE TOTAL $99.00

Amount Paid: $ _____

Check No: _____

Customer No: 35-000303 Invoice No: 1435029112