



SARASOTA COUNTY

"Dedicated to Quality Service"

January 14, 2010

Susan Pelz, P.E.
Solid Waste Section
Department of Environmental Protection
Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

5/6/14
Dept. of Environmental
Protection
JAN 15 2010
Southwest District

RE: Central County Solid Waste Disposal Complex
Permit Number 130542-007-SO/01
Semi-Annual Surface Water Monitoring Report (July-December, 2009)

Dear Ms. Pelz:

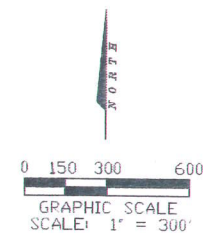
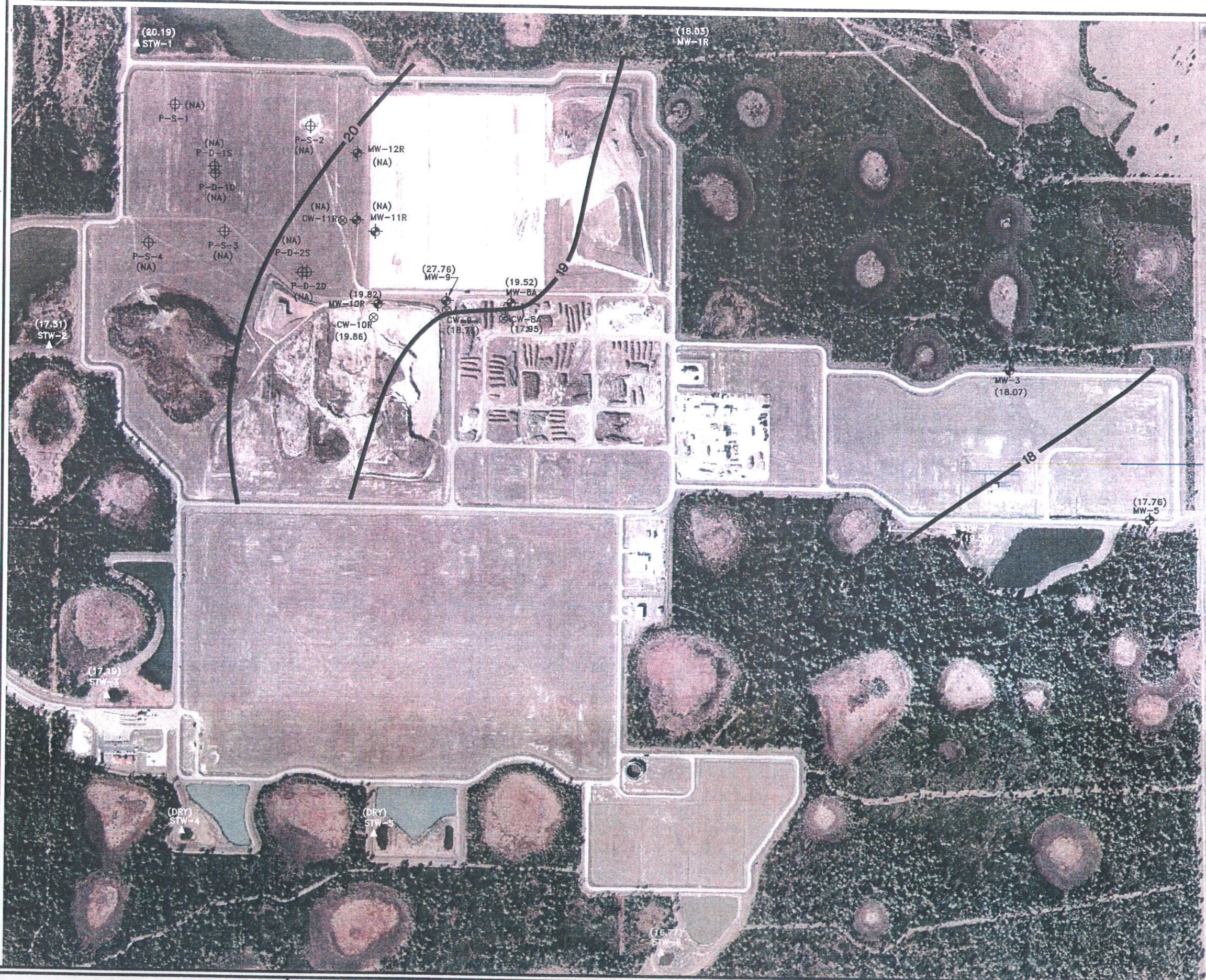
Enclosed is the Semi-Annual Surface Water Report for 2009 as specified in Specific Condition E.8. Due to a minimal amount of surface water with no flow available for surface water at sampling location, B2 (WACS ID #4519), only samples for sampling location B4R (WACS ID #20060), were collected or analyzed during the reporting period with no exceeded levels found. The sampling locations are checked on a daily basis for flow and records of these checks are on file at the Central County Solid Waste Disposal Complex for your inspection.

If you have any questions or concerns, please contact me at (941) 861-1589 or lerose@scgov.net.

Sincerely,

Lois E. Rose
Manager, Solid Waste

U:\SO\Old\HAZARD\Sarasota\Central Disposal Complex\GROUNDWATER CONTOUR MAP OCTOBER_2009.dwg Dec04,2009 - 9:31am Plotted By: 22427



- LEGEND:
- MONITORING WELL WITH GROUNDWATER ELEVATION (FT-NGVD)
 - COMPLIANCE WELL WITH GROUNDWATER ELEVATION (FT-NGVD)
 - PIEZOMETERS WITH GROUNDWATER ELEVATION (FT-NGVD)
 - MONITORING POINT WITH SURFACE WATER ELEVATION (FT-NGVD)
 - GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

- NOTE:
1. GROUNDWATER DATA FROM OCTOBER 29, 2009
 2. GROUNDWATER ELEVATION GIVEN IN PARENTHESES

Am M
12-4-09

FT-NGVD = FEET ABOVE NATIONAL GEODETIC VERTICAL DATUM
DATE: DECEMBER 3, 2009



SARASOTA COUNTY
CENTRAL COUNTY SOLID WASTE
DISPOSAL COMPLEX

GROUNDWATER CONTOUR MAP
OCTOBER 2009

FIGURE
1

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # <u>62-522.900(2)</u>
Form Title <u>Ground Water Monitoring Report</u>
Effective Date _____
DEP Application No. _____

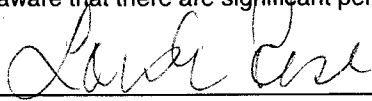
GROUND WATER MONITORING REPORT
Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name Central County Solid Waste Disposal Complex
Address 4000 Knights Trail Road
City Nokomis Zip 34275
Telephone Number (941) 861-1589
- (2) The GMS Identification Number SWD/58/51614
- (3) DEP Permit Number 130542-007-SO/01
- (4) Authorized Representative Name Lois Rose
Address 4000 Knights Trail Road
City Nokomis Zip 34275
Telephone Number (941) 861-1589
- (5) Type of Discharge NA
- (6) Method of Discharge NA

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 submitting false information, including the possibility of fine and imprisonment.

Date: 1-14-10 
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization _____ Comp QAP # _____

Analytical Lab _____ Comp QAP # /HRS Certification # E83079

*Comp QAP # /HRS Certification # 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

PART III ANALYTICAL RESULTS

Facility GMS #: SWD/58/51614 Sampling Date/Time: September 16, 2009/1005hrs

Test Site ID #: 20060 Report Period: 2009/2nd Semi Annual Surface Water
(year/quarter)

Well Name: B4R Well Purged (Y/N): NA

Classification of Ground Water: SW-Class III Well Type: ☐ Background

☐ Intermediate

☐ Compliance

☐ Other

Ground Water Elevation (NGVD): _____

or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	* Analysis Results/Units	Detection Limits/Units
See Attached Analytical Report							

* Attach Laboratory Reports

ANALYTICAL RESULTS

Project: Central County Solid Waste

Pace Project No.: 351544

Sample: 20060 CCSWB4R Lab ID: 351544001 Collected: 09/16/09 10:05 Received: 09/18/09 14:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
1631E Mercury, Low Level Analytical Method: EPA 1631E									
Mercury	8.06	ng/L	1.0	0.23	2	09/23/09 14:00	09/28/09 11:03	7439-97-6	
Analytical Method:									
Field pH	7.07	Std. Units			1		09/21/09 16:08		
Field Temperature	26.23	deg C			1		09/21/09 16:08		
Field Specific Conductance	484	umhos/cm			1		09/21/09 16:08		
Oxygen, Dissolved	1.74	mg/L			1		09/21/09 16:08	7782-44-7	
Turbidity	2.04	NTU			1		09/21/09 16:08		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0047U	ug/L	0.019	0.0047	1	09/21/09 14:45	09/22/09 01:00	96-12-8	
1,2-Dibromoethane (EDB)	0.0059U	ug/L	0.0096	0.0059	1	09/21/09 14:45	09/22/09 01:00	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Antimony	7.5U	ug/L	15.0	7.5	1	09/21/09 09:23	09/25/09 02:44	7440-36-0	
Arsenic	11.0	ug/L	10.0	5.0	1	09/21/09 09:23	09/25/09 02:44	7440-38-2	
Barium	29.5	ug/L	10.0	5.0	1	09/21/09 09:23	09/25/09 02:44	7440-39-3	
Calcium	66200	ug/L	500	250	1	09/21/09 09:23	09/25/09 02:44	7440-70-2	
Chromium	2.5U	ug/L	5.0	2.5	1	09/21/09 09:23	09/25/09 02:44	7440-47-3	
Cobalt	10.7	ug/L	10.0	5.0	1	09/21/09 09:23	09/25/09 02:44	7440-48-4	
Iron	292	ug/L	40.0	20.0	1	09/21/09 09:23	09/25/09 02:44	7439-89-6	
Magnesium	11200	ug/L	500	250	1	09/21/09 09:23	09/25/09 02:44	7439-95-4	
Nickel	2.5U	ug/L	5.0	2.5	1	09/21/09 09:23	09/25/09 02:44	7440-02-0	
Potassium	29500	ug/L	1000	500	1	09/21/09 09:23	09/25/09 02:44	7440-09-7	
Sodium	21600	ug/L	1000	500	1	09/21/09 09:23	09/25/09 02:44	7440-23-5	
Total Hardness (as CaCO3)	211000	ug/L	3210	1600	1	09/21/09 09:23	09/25/09 02:44		
Vanadium	5.0U	ug/L	10.0	5.0	1	09/21/09 09:23	09/25/09 02:44	7440-62-2	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Beryllium	0.050U	ug/L	0.10	0.050	1	09/21/09 09:23	09/22/09 16:45	7440-41-7	
Cadmium	0.13	ug/L	0.10	0.050	1	09/21/09 09:23	09/22/09 16:45	7440-43-9	
Copper	1.6	ug/L	1.0	0.93	1	09/21/09 09:23	09/22/09 16:45	7440-50-8	
Lead	0.50U	ug/L	1.0	0.50	1	09/21/09 09:23	09/22/09 16:45	7439-92-1	
Selenium	0.65I	ug/L	1.0	0.50	1	09/21/09 09:23	09/22/09 16:45	7782-49-2	
Silver	0.050U	ug/L	0.10	0.050	1	09/21/09 09:23	09/22/09 16:45	7440-22-4	
Thallium	0.50U	ug/L	1.0	0.50	1	09/21/09 09:23	09/22/09 16:45	7440-28-0	
Zinc	7.5	ug/L	5.0	2.5	1	09/21/09 09:23	09/22/09 16:45	7440-66-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	5.0U	ug/L	10.0	5.0	1		09/22/09 23:11	67-64-1	
Acrylonitrile	5.0U	ug/L	10.0	5.0	1		09/22/09 23:11	107-13-1	
Benzene	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	71-43-2	
Bromochloromethane	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	74-97-5	
Bromodichloromethane	0.27U	ug/L	0.60	0.27	1		09/22/09 23:11	75-27-4	
Bromoform	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	75-25-2	

Date: 10/02/2009 08:59 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Central County Solid Waste

Pace Project No.: 351544

Sample: 20060 CCSWB4R Lab ID: 351544001 Collected: 09/16/09 10:05 Received: 09/18/09 14:30 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		09/22/09 23:11	74-83-9	
2-Butanone (MEK)	5.0U	ug/L	10.0	5.0	1		09/22/09 23:11	78-93-3	
Carbon disulfide	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	75-15-0	
Carbon tetrachloride	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	56-23-5	
Chlorobenzene	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	108-90-7	
Chloroethane	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	75-00-3	
Chloroform	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	67-66-3	
Chloromethane	0.62U	ug/L	1.0	0.62	1		09/22/09 23:11	74-87-3	
Dibromochloromethane	0.26U	ug/L	0.50	0.26	1		09/22/09 23:11	124-48-1	
Dibromomethane	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	74-95-3	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	95-50-1	
1,4-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	106-46-7	
trans-1,4-Dichloro-2-butene	5.0U	ug/L	10.0	5.0	1		09/22/09 23:11	110-57-6	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	75-34-3	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	107-06-2	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	75-35-4	
cis-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	156-59-2	
trans-1,2-Dichloroethene	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	156-60-5	
1,2-Dichloropropane	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	78-87-5	
cis-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		09/22/09 23:11	10061-01-5	
trans-1,3-Dichloropropene	0.25U	ug/L	0.50	0.25	1		09/22/09 23:11	10061-02-6	
Ethylbenzene	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	100-41-4	
2-Hexanone	5.0U	ug/L	10.0	5.0	1		09/22/09 23:11	591-78-6	
Iodomethane	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	74-88-4	
Methylene Chloride	2.5U	ug/L	5.0	2.5	1		09/22/09 23:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	10.0	5.0	1		09/22/09 23:11	108-10-1	
Styrene	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	100-42-5	
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	630-20-6	
1,1,2,2-Tetrachloroethane	0.18U	ug/L	0.50	0.18	1		09/22/09 23:11	79-34-5	
Tetrachloroethene	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	127-18-4	
Toluene	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	108-88-3	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	71-55-6	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	79-00-5	
Trichloroethene	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	79-01-6	
Trichlorofluoromethane	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	75-69-4	
1,2,3-Trichloropropane	0.36U	ug/L	0.50	0.36	1		09/22/09 23:11	96-18-4	
Vinyl acetate	1.0U	ug/L	2.0	1.0	1		09/22/09 23:11	108-05-4	
Vinyl chloride	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	75-01-4	
Xylene (Total)	0.50U	ug/L	1.0	0.50	1		09/22/09 23:11	1330-20-7	
4-Bromofluorobenzene (S)	86	%	70-114		1		09/22/09 23:11	460-00-4	
Dibromofluoromethane (S)	100	%	88-117		1		09/22/09 23:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	86-125		1		09/22/09 23:11	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		09/22/09 23:11	2037-26-5	

2320B Alkalinity

Analytical Method: SM 2320B

Alkalinity, Bicarbonate (CaCO ₃)	111 mg/L	5.0	5.0	1	09/23/09 15:14
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Date: 10/02/2009 08:59 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Central County Solid Waste

Pace Project No.: 351544

Sample: 20060 CCSWB4R		Lab ID: 351544001		Collected: 09/16/09 10:05		Received: 09/18/09 14:30		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity Analytical Method: SM 2320B									
Alkalinity, Carbonate (CaCO ₃)	5.0U	mg/L	5.0	5.0	1		09/23/09 15:14		
Alkalinity, Total as CaCO ₃	111	mg/L	5.0	5.0	1		09/23/09 15:14		
2540C Total Dissolved Solids Analytical Method: SM 2540C									
Total Dissolved Solids	402	mg/L	5.0	5.0	1		09/21/09 12:06		
2540D Total Suspended Solids Analytical Method: SM 2540D									
Total Suspended Solids	5.0U	mg/L	5.0	5.0	1		09/22/09 10:45		
5210B BOD, 5 day Analytical Method: SM 5210B									
BOD, 5 day	3.7	mg/L	2.0	2.0	1	09/18/09 17:10	09/23/09 12:58		Q
Chlorophyll & Pheophytin Analytical Method: SM10200 Preparation Method: SM10200									
Chlorophyll a	5.6	mg/m3	1.0	1.0	1	09/18/09 17:00	09/25/09 11:25		Q
Total Nitrogen Calculation Analytical Method: TKN+NO _x Calculation									
Total Nitrogen	2.1	mg/L	0.50	0.25	1		09/28/09 15:30		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Sulfate	96.6	mg/L	10.0	5.0	2		09/23/09 11:01	14808-79-8	
350.1 Ammonia Analytical Method: EPA 350.1									
Nitrogen, Ammonia	0.21	mg/L	0.050	0.020	1		09/21/09 13:03	7764-41-7	
351.2 Total Kjeldahl Nitrogen Analytical Method: EPA 351.2 Preparation Method: EPA 351.2									
Nitrogen, Kjeldahl, Total	2.0	mg/L	0.50	0.25	1	09/23/09 10:40	09/24/09 12:59	7727-37-9	
353.2 Nitrogen, NO₂/NO₃ pres. Analytical Method: EPA 353.2									
Nitrogen, NO ₂ plus NO ₃	0.070	mg/L	0.050	0.025	1		09/22/09 13:42		
365.4 Phosphorus, Total Analytical Method: EPA 365.4 Preparation Method: EPA 365.4									
Phosphorus, Total (as P)	0.89	mg/L	0.10	0.050	1	09/23/09 10:40	09/24/09 12:59	7723-14-0	
410.4 COD Analytical Method: EPA 410.4									
Chemical Oxygen Demand	70.2	mg/L	25.0	12.5	1		09/22/09 18:22		
5310B TOC Analytical Method: SM 5310B									
Total Organic Carbon	29.6	mg/L	1.0	0.50	1		09/24/09 08:09	7440-44-0	

ANALYTICAL RESULTS

Project: Central County Solid Waste

Pace Project No.: 351544

Sample: Blank		Lab ID: 351544002	Collected: 09/16/09 10:40		Received: 09/18/09 14:30		Matrix: Water		
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
1631E Mercury, Low Level		Analytical Method: EPA 1631E							
Mercury	0.1431	ng/L	0.50	0.12	1	09/23/09 14:00	09/28/09 10:58	7439-97-6	

Form FD 9000-24

SITE NAME: Central County		SITE LOCATION: Surface Water B4	
WELL NO:	SAMPLE ID: C911009 Q34R416		DATE: 9/16/09

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Laurance Cardia</i>	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: <i>1005</i>	SAMPLING ENDED AT: <i>1005</i>						
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: _____ µm						
FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced)		DUPLICATE: Y N							
SAMPLE CONTAINER SPECIFICATION									
SAMPLE PRESERVATION									
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
REMARKS:									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

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

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

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

Revision Date: February 12, 2009

1005

GROUNDWATER MONITORING REPORT - PART D

Facility GMS:SWD/58/51614
 Test Site ID: 20060
 Well Name: B4R
 Classification of Groundwater: S-III
 Ground Water Elevation: (NGVD):

Sample Date/Time: 9/16/2009 10:05
 Report Period: 2 nd semi-annual 09
 Well purged:
 Well Type:

Storet Code	Parameter	Sampling Method	Samples Filtered (Y/N)	Analysis Method	Analysis Date	Analysis Results/	Q	Units	Detection Limits/
00400	pH (standard measurement)	N	N	EPA 150.1	9/16/2009	7.07		S.U.	0.01
00010	Temperature (° C) (field)	N	N	Ysi Meter	9/16/2009	26.23		°C	0.1
00095	Specific Conductance (umhos/cm) (field)	N	N	EPA 120.1	9/16/2009	484		umhos/cm	1
00239	Dissolved Oxygen (field)	N	N	EPA 360.1	9/16/2009	1.74		mg/l	0.01
82079	Turbidity (NTUs)(field)	Grab	N	EPA 180.1	9/16/2009	2.0		NTU	0.1
01097	Antimony	Grab	N	SW6010	9/25/2009	7.5	U	µg/l	7.5
01002	Arsenic	Grab	N	SW6010	9/25/2009	11.0		µg/l	5.0
01007	Barium	Grab	N	SW6010	9/25/2009	29.5		µg/l	5.0
00916	Calcium	Grab	N	SW6010	9/25/2009	66200		µg/l	250.0
01034	Chromium	Grab	N	SW6010	9/25/2009	2.5	U	µg/l	2.5
01037	Cobalt	Grab	N	SW6010	9/25/2009	10.7		µg/l	5.0
01045	Iron	Grab	N	SW6010	9/25/2009	292		µg/l	20
01067	Nickel	Grab	N	SW6010	9/25/2009	2.5	U	µg/l	2.5
00927	Magnesium	Grab	N	SW6010	9/25/2009	11200		µg/l	250.0
	Mercury	Grab	N	E1631E	9/28/2009	8.06		ng/l	0.23
00937	Potassium	Grab	N	SW6010	9/25/2009	29500		µg/l	250
00929	Sodium	Grab	N	SW6010	9/25/2009	21600		µg/l	500
01087	Vanadium	Grab	N	SW6010	9/25/2009	5.0	U	µg/l	5.0
00900	Total Hardness	Grab	N	SW6010	9/25/2009	211000		µg/l	1600
01012	Berillium	Grab	N	SW6020	9/22/2009	0.050	U	µg/l	0.050
01027	Cadmium	Grab	N	SW6020	9/22/2009	0.13		µg/l	0.050
01042	Copper	Grab	N	SW6020	9/22/2009	1.6		µg/l	0.93
01051	Lead	Grab	N	SW6020	9/22/2009	0.50	U	µg/l	0.50
01147	Selenium	Grab	N	SW6020	9/22/2009	0.650		µg/l	0.50
01077	Silver	Grab	N	SW6020	9/22/2009	0.050	U	µg/l	0.050
01059	Thallium	Grab	N	SW6020	9/22/2009	0.50	U	µg/l	0.5
01092	Zinc	Grab	N	SW6020	9/22/2009	7.5		µg/l	2.5
49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	9/22/2009	0.0047	U	µg/l	0.0047
77651	Ethylene Dibromide	Grab	N	SW8011	9/22/2009	0.0059	U	µg/l	0.0059
81552	Acetone	Grab	N	SW8260	9/22/2009	5.0	U	µg/l	5.0
34215	Acrylonitrile	Grab	N	SW8260	9/22/2009	5.0	U	µg/l	5.0

Central County Solid WASTE DISPOSAL

SURFACE WATER

CCC Surface Water
CLASS III Freshwater

Provenance Misc. Permit-rei 20060

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

484 Specific conductance, field

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

7.07 pH, field

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

1.74 DO, field

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

yellow Colors & sheens, field

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

2.04 Turbidity, field

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

26.23 Temperature, field

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

0.21 Un-ionized Amm

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

211 Total Hardness

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

3.7 Q BOD

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

292 Iron

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

0.0086 Mercury

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

1.6 Copper

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

7.5 Zinc

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

0.033 Nitrate

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

402 TDS

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

29.6 TOC

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

0.89 Total phosphoru:

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

5.6 q ChlA

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

2.1 Total Nitrogen

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

70.2 COD

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

<5.0 TSS

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

111 Bicarbonate

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

<5.0 Carbonate

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

96.6 Sulfate

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

16,200 B Fecal coliform

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

<7.5 Antimony

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

11 Arsenic

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

29.5 Barium

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

<0.05 Beryllium

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

0.13 Cadmium

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

<2.5 Chromium

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

10.7 Cobalt

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

<0.50 Lead

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

<2.5 Nickel

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

0.65 Selenium

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

<0.05 Silver

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

<0.50 Thallium

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

29500 Potassium

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

21600 Sodium

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

66200 Calcium

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

11200 Magnesium

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

<5.0 Vanadium

9/16/2009

CLASS III Freshwater

Appendix I Organics

Provenance

µg/l

*Met Guidance for selection of Analytical methods (Oct 12,2004)

Page 1

Total App. I = 62

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GROUNDWATER MONITORING REPORT - PART D

Facility GMS:SWD/58/51614
 Test Site ID: 20060
 Well Name: B4R
 Classification of Groundwater: S-III
 Ground Water Elevation: (NGVD):

Sample Date/Time: 9/16/2009 10:05
 Report Period: 2 nd semi-annual 09
 Well purged:
 Well Type:

Storet Code	Parameter	Sampling Method	Samples Filtered (Y/N)	Analysis Method	Analysis Date	Analysis Results/	Q	Units	Detection Limits/
34030	Benzene	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
73085	Bromochloromethane	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
32101	Bromodichloromethane	Grab	N	SW8260	9/22/2009	0.27	U	µg/l	0.27
32104	Bromoform	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
34413	Bromomethane	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
81595	2-Butanone	Grab	N	SW8260	9/22/2009	5.0	U	µg/l	5.0
77041	Carbon disulfide	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
32102	Carbon tetrachloride	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
34301	Chlorobenzene	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
34311	Chloroethane	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
32106	Chloroform	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
34418	Chloromethane	Grab	N	SW8260	9/22/2009	0.62	U	µg/l	0.62
32105	Dibromochloromethane	Grab	N	SW8260	9/22/2009	0.26	U	µg/l	0.26
77596	Dibromomethane	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	9/22/2009	5.0	U	µg/l	5.0
34536	1,2-Dichlorobenzene	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
34571	1,4-Dichlorobenzene	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
34496	1,1-Dichloroethane	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
34531	1,2-Dichloroethane	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
34501	1,1-Dichloroethene	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
34543	trans-1,2-Dichloroethene	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
34541	1,2-Dichloropropane	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	9/22/2009	0.25	U	µg/l	0.25
34966	trans-1,3-Dichloropropene	Grab	N	SW8260	9/22/2009	0.25	U	µg/l	0.25
34371	Ethylbenzene	Grab	N	SW8260	9/22/2009	0.50	U	µg/l	0.50
77103	2-Hexanone	Grab	N	SW8260	9/22/2009	5.0	U	µg/l	5.0

GROUNDWATER MONITORING REPORT - PART D

Facility GMS:SWD/58/51614
 Test Site ID: 20060
 Well Name: B4R
 Classification of Groundwater: S-III
 Ground Water Elevation: (NGVD):

Sample Date/Time: 9/16/2009 10:05
 Report Period: 2 nd semi-annual 09
 Well purged:
 Well Type:

Storet Code	Parameter	Sampling Method	Samples Filtered (Y/N)	Analysis Method	Analysis Date	Analysis Results/	Q	Units	Detection Limits/
77424	Iodomethane	Grab	N	SW8260	9/22/09	0.50	U	µg/l	0.50
81596	4-Methyl-2-pentanone	Grab	N	SW8260	9/22/09	5.0	U	µg/l	5.0
34423	Methylene chloride	Grab	N	SW8260	9/22/09	2.5	U	µg/l	2.5
77128	Styrene	Grab	N	SW8260	9/22/09	0.50	U	µg/l	0.50
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	9/22/09	0.50	U	µg/l	0.50
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	9/22/09	0.18	U	µg/l	0.18
34475	Tetrachloroethene	Grab	N	SW8260	9/22/09	0.50	U	µg/l	0.50
34010	Toluene	Grab	N	SW8260	9/22/09	0.50	U	µg/l	0.50
34506	1,1,1-Trichloroethane	Grab	N	SW8260	9/22/09	0.50	U	µg/l	0.50
34511	1,1,2-Trichloroethane	Grab	N	SW8260	9/22/09	0.50	U	µg/l	0.50
39180	Trichloroethene	Grab	N	SW8260	9/22/09	0.50	U	µg/l	0.50
34488	Trichlorofluoromethane	Grab	N	SW8260	9/22/09	0.50	U	µg/l	0.50
77443	1,2,3-Trichloropropane	Grab	N	SW8260	9/22/09	0.36	U	µg/l	0.36
77057	Vinyl acetate	Grab	N	SW8260	9/22/09	1.0	U	µg/l	1.0
39175	Vinyl chloride	Grab	N	SW8260	9/22/09	0.50	U	µg/l	0.50
34020	Xylenes, Total	Grab	N	SW8260	9/22/09	0.50	U	µg/l	0.50
00620	Nitrogen, Nitrate	Grab	N	E353.2	9/16/09	0.033		mg/l	0.004
	Total Nitrogen	Grab	N	351.2+35	9/28/09	2.1		mg/l	0.25
00665	Phosphorus, Total (as P)	Grab	N	E365.4	9/24/09	0.89		mg/l	0.050
00340	Chemical Oxygen Demand	Grab	N	E410.4	9/22/09	70.2		mg/l	12.5
00612	Nitrogen Ammonia (Unionized)	Grab	N	E350.1	9/21/09	0.21		mg/l	0.020
32211	Chlorophyll a	Grab	N	SM1020	9/25/09	5.6	Q	mg/m3	1.0
00515	Solids, Total Dissolved	Grab	N	SM2540	9/21/09	402		mg/l	5.0
00530	Solids, Suspended Total	Grab	N	SM2540	9/22/09	5.0	U	mg/l	5.0
	Biochemical Oxygen Demand	Grab	N	SM5210	9/23/09	3.7	Q	mg/l	2.0
00680	Organic Carbon, Total	Grab	N	SM5310	9/24/09	29.6		mg/l	0.50
00440	Alkalinity, Bicarbonate (as CaCO3)	Grab	N	SM2320	9/22/09	111		mg/l	5.0
00430	Alkalinity, Carbonate (as CaCO3)	Grab	N	SM2320	9/22/09	5.0	U	mg/l	5.0
00945	Sulfate	Grab	N	E300.0	9/23/09	96.6		mg/l	5.0
	Fecal Coliform	Grab	N	SM9222D	9/16/09	16200		cfu/100 ml	100

Note: Q, the sample was analyzed out of hold, Re-sampled on 10-23-09

GROUNDWATER MONITORING REPORT - PART D

Facility GMS:SWD/58/51614
 Test Site ID: 20060
 Well Name: B4R
 Classification of Groundwater: S-III
 Ground Water Elevation: (NGVD):

Sample Date/Time: 10/23/2009 9:30
 Report Period: 2 nd semi-annual 09
 Well purged: Re-sample
 Well Type:

Storet Code	Parameter	Sampling Method	Samples Filtered (Y/N)	Analysis Method	Analysis Date	Analysis Results/ Q	Units	Detection Limits/
00400	pH (standard units) (field measurement)	N	N	EPA 150.1	10/23/2009	6.59	S.U.	0.01
00010	Temperature (° C) (Field)	N	N	Ysi Meter	10/23/2009	21.82	°C	0.1
00095	Specific Conductance (umhos/cm) (field)	N	N	EPA 120.1	10/23/2009	508	umhos/cm	1
00299	Dissolved Oxygen (field)	N	N	EPA 360.1	10/23/2009	1.26	mg/l	0.01
82079	Turbidity (NTUs)(Field)	Grab	N	EPA 180.1	10/23/2009	NA	NTU	0.1
32211	Chlorophyll a	Grab	N	SM1020	11/6/09	17.9	mg/m3	1.0
	Biochemical Oxygen Demand	Grab	N	SM5210	10/23/09	2.47	mg/l	2.0

Shadown Cultivators

New Improved!!!!
Entered:
Verified:
 Please see note below.

Hardness Calculator

* ppm as CaCO₃

62-302.530(3)(Note: For metals criteria involving equations with hardness, the hardness shall be set at 25 mg/L if actual hardness is <25 mg/L and set at 400 mg/L if actual hardness is >400 mg/L.

Note: Cadmium calculator corrected January 2008 NKW

Form FD 9000-24

SITE NAME: CENTRAL COUNTY B. 4

SITE LOCATION: CENTRAL COUNTY GOLF

WELL NO: <u>1</u>	SAMPLE ID:	DATE: <u>10-23-09</u>
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PURGING DATA

WELL	TUBING	WELL SCREEN INTERVAL	STATIC DEPTH	PURGE PUMP TYPE
DIAMETER (inches):	DIAMETER (inches):	DEPTH: feet to feet	TO WATER (feet): 10.7	OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY

(only fill out if applicable) = (feet - feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

(only fill out if applicable)

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

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


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

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

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Cardinal</i>	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: <i>0930</i>	SAMPLING ENDED AT: <i>0937</i>
--	---	------------------------------------	--------------------------------

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: _____ μm
--------------------------------------	-----------------------	---	-----------------------

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

SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION	INTENDED	SAMPLING	SAMPLE PUMP
--------------------------------	---------------------	----------	----------	-------------

[illegible]

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;
RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

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

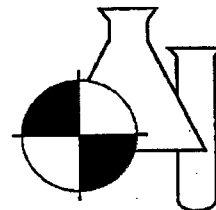
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

Revision Date: February 12, 2009

BENCHMARK

EnviroAnalytical Inc.



NELAC Certification # E84167

ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

Submission Number : 9100827

Pace Analytical Services, Inc.
8 East Tower Circle
Ormond Beach, FL 32174

Project Name : CC SOLID WASTE DISPOSAL SURFACE
Date Received : 10/23/2009
Time Received : 1508

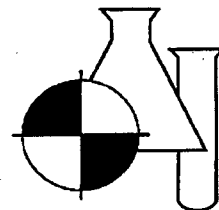
Submission Number 9100827

Sample Number: 1
Sample Date: 10/23/2009
Sample Time: 0930
Sample Description: CCSWB4R
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis		Analyst
						Date	Time	
BIOCHEMICAL OXYGEN DEMAND	2.47	MG/L	0.5	2.0	SM5210B	10/23/2009	16:00	AG

BENCHMARK

EnviroAnalytical Inc.



NELAC Certification # E84167

R. Koutselas

10/30/2009

Dale D. Dixon / Laboratory Director

Date

Radica Koutselas / QC Officer

Jennifer Jordan / 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 acceptable range.

H = Value based on field kit determination. Results may not be accurate.

I = Reported value is between the laboratory MDL and the PQL.

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

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.

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.

NOTES:

PQL = 4xMDL

MBAS calculated as LAS; molecular weight = 348.

X = Value exceed MCL

NOTES:

For questions and comments regarding these results, please contact Bettina Bellfuss at (941) 723-9986

Results relate only to the samples.

Elab, Inc.

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 ____ of ____

1. Client: (Company or Individual)

Sarasota County Environmental Services

2. Report to: (if different from above)

Cesar Rodriguez

3. Client Project Name:

Central County Solid Waste disposal surface

4. Client Project No.:

5. P.O. No.: 09005

6. Custody Seal No.:

7. Sampled By:

8. Shipping Method:

9. Sample ID or No.

10. Sample Description

11. Date

Time

Comp.

Grab

Water

(Codes)

Air

Soil

Sludge

Other

12. 13.

14. 15.

16. 17.

Preservatives

Containers

C

C

C

C

C

C

C

C

C

C

C

C

C

C

C

C

C

C

C

C

C

20. REMARK

LAB USE ONLY
LAB SAMPLE NO.

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

Item

1

2

3

4

5

6

7

8

9

10

21. RELINQUISHED BY

DATE

TIME

22. RECEIVED BY

DATE

TIME

FOR LAB USE ONLY

Submission No.

18. Report Type:

Routine

With QC

19. Turnaround Time

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

FOR LAB USE ONLY

Equipment Rental Fee:

Hrs.

Profile No.:

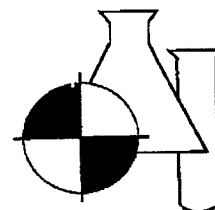
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DISTRIBUTION: White with report; Blue, Green, Yellow to labs; Gold to submitter

Revised: 1/99

BENCHMARK

EnviroAnalytical Inc.



NELAC Certification # E84167

ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

Submission Number : 9090489

Pace Analytical Services, Inc.
8 East Tower Circle
Ormond Beach, FL 32174

Project Name : C.C. SOLID WASTE DISPOSAL SW
Date Received : 09/16/2009
Time Received : 1400

Nichole Schmider

Submission Number 9090489

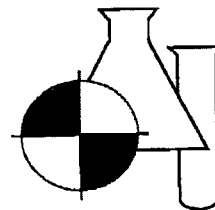
Sample Number: 1
Sample Date: 09/16/2009
Sample Time: 1040

Sample Description: 091609 CCSWB4R
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis		Analyst
						Date	Time	
NITRATE NITROGEN	0.033	MG/L	0.004	0.016	353.2	09/16/2009	17:00	TKD
NITRATE+NITRITE AS N	0.039	MG/L	0.004	0.016	353.2	09/17/2009	10:00	CB
NITRITE NITROGEN	0.006 I	MG/L	0.003	0.012	SM4500NO2B	09/16/2009	17:00	TKD
FECAL COLIFORM	16200 B	#/100 ML	100	100	SM9222D	09/16/2009	15:45	BH

BENCHMARK

EnviroAnalytical Inc.



NELAC Certification # E84167

R. Koutselas

09/21/2009

Dale D. Dixon / Laboratory Director

Date

Radica Koutselas / QC Officer

Jennifer Jordan / 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 acceptable range.

H = Value based on field kit determination. Results may not be accurate.

I = Reported value is between the laboratory MDL and the PQL.

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

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.

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.

! = 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.

NOTES:

PQL = 4xMDL.

MBAS calculated as LAS; molecular weight = 348.

X = Value exceed MCL.

NOTES:

For questions and comments regarding these results, please contact Bettina Beilfuss at (941) 723-9986

Results relate only to the samples.

Elab, Inc.

8 East Tower Circle
Ormond Beach, FL 32174
(386) 672-5668 • FAX (386) 673-4001

CHAIN OF CUSTODY RECORD

No. E

Page ____ of ____

(INSTRUCTIONS ON BACK OF THIS FORM)

1. Client: (Company or Individual)

Sarasota County Environmental Services

2. Report to: (if different from above)

Cesar Rodriguez

3. Client Project Name:

Central County Solid Waste disposal surface

4. Client Project No.:

5. P.O. No.: 09006

6. Custody Seal No.:

7. Sampled By:

8. Shipping Method:

FOR LAB USE ONLY
Temp. of Contents: 04 °C (or Received on Ice, ROI)

Condition of Contents: OK

Condition of Seals: 555137

FOR LAB USE ONLY
Submission No. 555137

Address:

City

State

Phone: ()

18. Report Type:
Routine
With QC

Address:

City

State

Phone: ()

Address:

City

State

Phone: ()

City

State

Zip Code

Fax: ()

19. Turnaround Time:
Standard
Rush: / /

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

14. Preservation

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November 09, 2009

Mr. Cesar Rodriguez
Sarasota County
1301 Cattleman Road
Resource Management, Bldg E
Sarasota, FL 34232

RE: Project: Central County Solid Waste
Pace Project No.: 353137

Dear Mr. Rodriguez:

Enclosed are the analytical results for sample(s) received by the laboratory on October 26, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Benchmark BOD data 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: Mr. Frank DeSteno, Sarasota County
Finance Dept., Sarasota County

REPORT OF LABORATORY ANALYSIS

Page 1 of 8

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CERTIFICATIONS

Project: Central County Solid Waste

Pace Project No.: 353137

Ormond Beach Certification IDs

Alabama Certification #: 41320
Wyoming Certification: FL NELAC Reciprocity
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH 0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: LA090012
Maine Certification #: FL1264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
Virginia Certification #: 00432
Arizona Certification #: AZ0735

REPORT OF LABORATORY ANALYSIS

Page 2 of 8

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SAMPLE SUMMARY

Project: Central County Solid Waste

Pace Project No.: 353137

Lab ID	Sample ID	Matrix	Date Collected	Date Received
353137001	CCSWB4R	Water	10/23/09 09:30	10/26/09 09:05

REPORT OF LABORATORY ANALYSIS

Page 3 of 8

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SAMPLE ANALYTE COUNT

Project: Central County Solid Waste

Pace Project No.: 353137

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
353137001	CCSWB4R	SM10200	HEM	1	PASI-O

REPORT OF LABORATORY ANALYSIS

Page 4 of 8

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PROJECT NARRATIVE

Project: Central County Solid Waste
Pace Project No.: 353137

Method: SM10200
Description: Chlorophyll & Pheophytin
Client: Sarasota County
Date: November 09, 2009

General Information:

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

Hold Time:

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

Q: Sample held beyond the accepted holding time.
• CCSWB4R (Lab ID: 353137001)

Sample Preparation:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

Analyte Comments:

QC Batch: WET/1492

1p: Sample received filtered by client; no duplicate
• CCSWB4R (Lab ID: 353137001)
• Chlorophyll a

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

REPORT OF LABORATORY ANALYSIS

ANALYTICAL RESULTS

Project: Central County Solid Waste
Pace Project No.: 353137

Sample: CCSWB4R		Lab ID: 353137001	Collected: 10/23/09 09:30		Received: 10/26/09 09:05		Matrix: Water		
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Analytical Method: SM10200 Preparation Method: SM10200									
Chlorophyll & Pheophytin									
Chlorophyll a	17.9	mg/m3	1.0	1.0	1	10/23/09 15:20	11/06/09 15:40		1p,

QUALITY CONTROL DATA

Project: Central County Solid Waste
Pace Project No.: 353137

QC Batch:	WET/1492	Analysis Method:	SM10200
QC Batch Method:	SM10200	Analysis Description:	Chlorophyll & Pheophytin
Associated Lab Samples:	353137001		

METHOD BLANK:	13677	Matrix:	Water
Associated Lab Samples:	353137001		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlorophyll a	mg/m3	1.0U	1.0	11/06/09 15:40	

QUALIFIERS

Project: Central County Solid Waste
Pace Project No.: 353137

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

1p Sample received filtered by client; no duplicate

SAMPLE SUMMARY

Project: Central County Solid Waste
Pace Project No.: 351544

Lab ID	Sample ID	Matrix	Date Collected	Date Received
351544001	20060 CCSWB4R	Water	09/16/09 10:05	09/18/09 14:30
351544002	Blank	Water	09/16/09 10:40	09/18/09 14:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Central County Solid Waste

Pace Project No.: 351544

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
351544001	20060 CCSWB4R ✓	EPA 1631E	GMW	1	PASI-G
		EPA 300.0	HEM	1	PASI-O
		EPA 350.1	AMD	1	PASI-O
		EPA 351.2	AMD	1	PASI-O
		EPA 353.2	LCS	1	PASI-O
		EPA 365.4	AMD	1	PASI-O
		EPA 410.4	HNL	1	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	DRS	8	PASI-O
		EPA 8011	SHD	2	PASI-O
		EPA 8260	JBH	49	PASI-O
		SM 2320B	LCS	3	PASI-O
		SM 2540C	MBS	1	PASI-O
		SM 2540D	MBS	1	PASI-O
		SM 5210B	TLK	1	PASI-O
		SM 5310B	TLK	1	PASI-O
		SM10200	HEM	1	PASI-O
351544002	Blank ✓	TKN+NOx Calculation	AMD	1	PASI-O
		EPA 1631E	GMW	1	PASI-G

REPORT OF LABORATORY ANALYSIS

Page 4 of 49

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PROJECT NARRATIVE

Project: Central County Solid Waste
Pace Project No.: 351544

Method: EPA 1631E
Description: 1631E Mercury, Low Level
Client: Sarasota County
Date: October 02, 2009

JN

General Information:

2 samples were analyzed for EPA 1631E. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

Page 5 of 49

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CERTIFICATIONS

Project: Central County Solid Waste

Pace Project No.: 351544

Ormond Beach Certification IDs

Alabama Certification #: 41320
Arizona Certification #: AZ0735
Wyoming Certification: FL NELAC Reciprocity
Virginia Certification #: 00432
Texas Certification: FL NELAC Reciprocity
Tennessee Certification #: TN02974
Puerto Rico Certification #: FL01264
Pennsylvania Certification #: 68-547
North Carolina Certification #: 12710
New York Certification #: 11608
New Jersey Certification #: FL765
New Hampshire Certification #: 2958
Nevada Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074

Mississippi Certification: FL NELAC Reciprocity
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH 0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: LA090012
Maine Certification #: FL1264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911

Green Bay Certification IDs

California Certification #: 09268CA
Wisconsin Certification #: 405132750
South Carolina Certification #: 83006001
North Dakota Certification #: R-150
North Carolina Certification #: 503
New York Certification #: 11888
Wisconsin DATCP Certification #: 105-444

Minnesota Certification #: 055-999-334
Louisiana Certification #: 04168
Kentucky Certification #: 83
Kentucky Certification #: 82
Illinois Certification #: 200050
Florida/NELAP Certification #: E87948
New York Certification #: 11887

REPORT OF LABORATORY ANALYSIS

Page 2 of 49

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PROJECT NARRATIVE

Project: Central County Solid Waste
Pace Project No.: 351544

Method: EPA 8011
Description: 8011 GCS EDB and DBCP
Client: Sarasota County
Date: October 02, 2009

✓ **General Information:**

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

✓ **Hold Time:**

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

✓ **Sample Preparation:**

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

✓ **Initial Calibrations (including MS Tune as applicable):**

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

✓ **Continuing Calibration:**

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

✓ **Surrogates:**

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

✓ **Method Blank:**

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

✓ **Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

✓ **Matrix Spikes:**

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

✓ **Duplicate Sample:**

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

PROJECT NARRATIVE

Project: Central County Solid Waste

Pace Project No.: 351544

Method: EPA 6010

Description: 6010 MET ICP

Client: Sarasota County

Date: October 02, 2009

General Information:

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

Hold Time:

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

Sample Preparation:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

PROJECT NARRATIVE

Project: Central County Solid Waste

Pace Project No.: 351544

Method: EPA 6020

Description: 6020 MET ICPMS

Client: Sarasota County

Date: October 02, 2009

General Information:

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

Hold Time:

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

Sample Preparation:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

PROJECT NARRATIVE

Project: Central County Solid Waste

Pace Project No.: 351544

Method: EPA 8260

Description: 8260 MSV

Client: Sarasota County

Date: October 02, 2009

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

QC Batch: MSV/1043

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 351546008

J: Estimated value.

- MS (Lab ID: 3847)
 - 2-Butanone (MEK)
 - Acetone
 - Iodomethane
- MSD (Lab ID: 3848)
 - 2-Butanone (MEK)
 - Acetone
 - Iodomethane

Duplicate Sample:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Central County Solid Waste

Pace Project No.: 351544

Method: SM 2320B

Description: 2320B Alkalinity

Client: Sarasota County

Date: October 02, 2009

General Information:

1 sample was analyzed for SM 2320B. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Central County Solid Waste

Pace Project No.: 351544

Method: SM 2540C

Description: 2540C Total Dissolved Solids

Client: Sarasota County

Date: October 02, 2009

General Information:

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

Hold Time:

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

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below. ✓

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below. ✓

Matrix Spikes:

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

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below. ✓

Additional Comments:

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PROJECT NARRATIVE

Project: Central County Solid Waste
Pace Project No.: 351544

Method: SM 2540D
Description: 2540D Total Suspended Solids
Client: Sarasota County
Date: October 02, 2009

General Information:

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

Hold Time:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

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PROJECT NARRATIVE

Project: Central County Solid Waste
Pace Project No.: 351544

Method: SM 5210B
Description: 5210B BOD, 5 day
Client: Sarasota County
Date: October 02, 2009

General Information:

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

Hold Time:

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

- Q: Sample held beyond the accepted holding time.
- 20060 CCSWB4R (Lab ID: 351544001)

Sample Preparation:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

Analyte Comments:

QC Batch: WET/1082

- J: Estimated value.
- BLANK (Lab ID: 3095)
 - BOD, 5 day

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PROJECT NARRATIVE

Project: Central County Solid Waste
Pace Project No.: 351544

Method: SM10200
Description: Chlorophyll & Pheophytin ✓
Client: Sarasota County
Date: October 02, 2009

General Information:

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

Hold Time:

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

- Q: Sample held beyond the accepted holding time.
• 20060 CCSWB4R (Lab ID: 351544001)

Sample Preparation:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

PROJECT NARRATIVE

Project: Central County Solid Waste
Pace Project No.: 351544

Method: TKN+NOx Calculation
Description: Total Nitrogen Calculation
Client: Sarasota County
Date: October 02, 2009

General Information:

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

Hold Time:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

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PROJECT NARRATIVE

Project: Central County Solid Waste
Pace Project No.: 351544

Method: EPA 300.0
Description: 300.0 IC Anions 28 Days
Client: Sarasota County
Date: October 02, 2009

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

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PROJECT NARRATIVE

Project: Central County Solid Waste
Pace Project No.: 351544

Method: EPA 350.1
Description: 350.1 Ammonia
Client: Sarasota County
Date: October 02, 2009

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

QC Batch: WETA/1126

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 351471002

J: Estimated value.

- MS (Lab ID: 3129)
- Nitrogen, Ammonia

Duplicate Sample:

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

Additional Comments:

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PROJECT NARRATIVE

Project: Central County Solid Waste
Pace Project No.: 351544

Method: EPA 351.2
Description: 351.2 Total Kjeldahl Nitrogen
Client: Sarasota County
Date: October 02, 2009

General Information:

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

Hold Time:

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

Sample Preparation:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

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PROJECT NARRATIVE

Project: Central County Solid Waste

Pace Project No.: 351544

Method: EPA 353.2

Description: 353.2 Nitrogen, NO₂/NO₃ pres.

Client: Sarasota County

Date: October 02, 2009

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

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PROJECT NARRATIVE

Project: Central County Solid Waste

Pace Project No.: 351544

Method: EPA 365.4

Description: 365.4 Phosphorus, Total

Client: Sarasota County

Date: October 02, 2009

General Information:

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

Hold Time:

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

Sample Preparation:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

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PROJECT NARRATIVE

Project: Central County Solid Waste
Pace Project No.: 351544

Method: EPA 410.4
Description: 410.4 COD
Client: Sarasota County
Date: October 02, 2009

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

QC Batch: WETA/1158

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 351378001

J: Estimated value.

- MS (Lab ID: 3782)
- Chemical Oxygen Demand

Duplicate Sample:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

PROJECT NARRATIVE

Project: Central County Solid Waste
Pace Project No.: 351544

Method: SM 5310B
Description: 5310B TOC
Client: Sarasota County
Date: October 02, 2009

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

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

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QUALITY CONTROL DATA

Project: Central County Solid Waste

Pace Project No.: 351544

QC Batch: OEXT/1050

Analysis Method: EPA 8011

QC Batch Method: EPA 8011

Analysis Description: 8011 EDB DBCP

Associated Lab Samples: 351544001

METHOD BLANK: 3035

Matrix: Water

Associated Lab Samples: 351544001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	09/21/09 22:00	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	09/21/09 22:00	

LABORATORY CONTROL SAMPLE: 3036

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.31	124	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.28	112	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3037

3038

Parameter	Units	351409001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0048 U	.42	.41	0.48	0.47	115	113	60-140	2	40
1,2-Dibromoethane (EDB)	ug/L	0.0061 U	.42	.41	0.46	0.45	111	109	60-140	3	40

QUALITY CONTROL DATA

Project: Central County Solid Waste

Pace Project No.: 351544

QC Batch: MPRP/1060

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Associated Lab Samples: 351544001

METHOD BLANK: 3138

Matrix: Water

Associated Lab Samples: 351544001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	7.5U	15.0	09/25/09 01:17	
Arsenic	ug/L	5.0U	10.0	09/25/09 01:17	
Barium	ug/L	5.0U	10.0	09/25/09 01:17	
Calcium	ug/L	250U	500	09/25/09 01:17	
Chromium	ug/L	2.5U	5.0	09/25/09 01:17	
Cobalt	ug/L	5.0U	10.0	09/25/09 01:17	
Iron	ug/L	20.0U	40.0	09/25/09 01:17	
Magnesium	ug/L	250U	500	09/25/09 01:17	
Nickel	ug/L	2.5U	5.0	09/25/09 01:17	
Potassium	ug/L	500U	1000	09/25/09 01:17	
Sodium	ug/L	500U	1000	09/25/09 01:17	
Total Hardness (as CaCO3)	ug/L	1600U	3210	09/25/09 01:17	
Vanadium	ug/L	5.0U	10.0	09/25/09 01:17	

LABORATORY CONTROL SAMPLE: 3139

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	250	285	114	80-120	
Arsenic	ug/L	250	271	108	80-120	
Barium	ug/L	250	278	111	80-120	
Calcium	ug/L	12500	13100	105	80-120	
Chromium	ug/L	250	288	115	80-120	
Cobalt	ug/L	250	268	107	80-120	
Iron	ug/L	2500	2830	113	80-120	
Magnesium	ug/L	12500	13400	107	80-120	
Nickel	ug/L	250	288	115	80-120	
Potassium	ug/L	12500	13100	105	80-120	
Sodium	ug/L	12500	13000	104	80-120	
Total Hardness (as CaCO3)	ug/L		87900			
Vanadium	ug/L	250	281	112	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3140

3141

Parameter	Units	351409022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Antimony	ug/L	7.5U	250	250	281	280	112	112	75-125	.4	20
Arsenic	ug/L	5.0U	250	250	268	265	107	106	75-125	1	20
Barium	ug/L	17.6	250	250	293	293	110	110	75-125	0	20
Calcium	ug/L	39700	12500	12500	52700	53000	104	106	75-125	.6	20
Chromium	ug/L	3.21	250	250	276	276	109	109	75-125	0	20

Date: 10/02/2009 08:59 AM

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QUALITY CONTROL DATA

Project: Central County Solid Waste

Pace Project No.: 351544

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3140

3141

Parameter	Units	351409022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Cobalt	ug/L	5.8I	250	250	270	268	106	105	75-125	.7	20
Iron	ug/L	87.3	2500	2500	2830	2800	110	109	75-125	1	20
Magnesium	ug/L	7230	12500	12500	20500	20600	106	107	75-125	.5	20
Nickel	ug/L	2.5U	250	250	275	274	110	110	75-125	.4	20
Potassium	ug/L	500U	12500	12500	14100	14000	111	110	75-125	.7	20
Sodium	ug/L	1.8	12500	12500	14900	14900	105	105	75-125	0	20
Total Hardness (as CaCO3)	ug/L	129000			216000	217000				.5	20
Vanadium	ug/L	5.0U	250	250	276	275	110	110	75-125	.4	20

QUALITY CONTROL DATA

Project: Central County Solid Waste
Pace Project No.: 351544

QC Batch: WET/1102 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 351544001

METHOD BLANK: 3489 Matrix: Water
Associated Lab Samples: 351544001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	5.0U	5.0	09/22/09 10:43	

LABORATORY CONTROL SAMPLE: 3490

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

SAMPLE DUPLICATE: 3491

Parameter	Units	351515001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	5.0U	10.0U		20	

SAMPLE DUPLICATE: 3492

Parameter	Units	351495001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	12.0	11.0	9	20	

QUALITY CONTROL DATA

Project: Central County Solid Waste
Pace Project No.: 351544

QC Batch: WETA/1186 Analysis Method: SM 5310B
QC Batch Method: SM 5310B Analysis Description: 5310B TOC
Associated Lab Samples: 351544001

METHOD BLANK: 4218 Matrix: Water
Associated Lab Samples: 351544001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50U	1.0	09/24/09 02:53	

LABORATORY CONTROL SAMPLE: 4219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	20	20.2	101	90-110	

MATRIX SPIKE SAMPLE: 4221

Parameter	Units	351481007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5.5	20	25.8	101	80-120	

SAMPLE DUPLICATE: 4220

Parameter	Units	351481007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	5.5	5.4	3	20	

QUALITY CONTROL DATA

Project: Central County Solid Waste

Pace Project No.: 351544

QC Batch: MSV/1043

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 351544001

METHOD BLANK: 3845

Matrix: Water

Associated Lab Samples: 351544001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	09/22/09 16:54	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	09/22/09 16:54	
1,1,2,2-Tetrachloroethane	ug/L	0.18U	0.50	09/22/09 16:54	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	09/22/09 16:54	
1,1-Dichloroethane	ug/L	0.50U	1.0	09/22/09 16:54	
1,1-Dichloroethene	ug/L	0.50U	1.0	09/22/09 16:54	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	09/22/09 16:54	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	09/22/09 16:54	
1,2-Dichloroethane	ug/L	0.50U	1.0	09/22/09 16:54	
1,2-Dichloropropane	ug/L	0.50U	1.0	09/22/09 16:54	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	09/22/09 16:54	
2-Butanone (MEK)	ug/L	5.0U	10.0	09/22/09 16:54	
2-Hexanone	ug/L	5.0U	10.0	09/22/09 16:54	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	09/22/09 16:54	
Acetone	ug/L	5.0U	10.0	09/22/09 16:54	
Acrylonitrile	ug/L	5.0U	10.0	09/22/09 16:54	
Benzene	ug/L	0.50U	1.0	09/22/09 16:54	
Bromochloromethane	ug/L	0.50U	1.0	09/22/09 16:54	
Bromodichloromethane	ug/L	0.27U	0.60	09/22/09 16:54	
Bromoform	ug/L	0.50U	1.0	09/22/09 16:54	
Bromomethane	ug/L	0.50U	1.0	09/22/09 16:54	
Carbon disulfide	ug/L	0.50U	1.0	09/22/09 16:54	
Carbon tetrachloride	ug/L	0.50U	1.0	09/22/09 16:54	
Chlorobenzene	ug/L	0.50U	1.0	09/22/09 16:54	
Chloroethane	ug/L	0.50U	1.0	09/22/09 16:54	
Chloroform	ug/L	0.50U	1.0	09/22/09 16:54	
Chloromethane	ug/L	0.62U	1.0	09/22/09 16:54	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	09/22/09 16:54	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	09/22/09 16:54	
Dibromochloromethane	ug/L	0.26U	0.50	09/22/09 16:54	
Dibromomethane	ug/L	0.50U	1.0	09/22/09 16:54	
Ethylbenzene	ug/L	0.50U	1.0	09/22/09 16:54	
Iodomethane	ug/L	0.50U	1.0	09/22/09 16:54	
Methylene Chloride	ug/L	2.5U	5.0	09/22/09 16:54	
Styrene	ug/L	0.50U	1.0	09/22/09 16:54	
Tetrachloroethene	ug/L	0.50U	1.0	09/22/09 16:54	
Toluene	ug/L	0.50U	1.0	09/22/09 16:54	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	09/22/09 16:54	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	09/22/09 16:54	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	09/22/09 16:54	
Trichloroethene	ug/L	0.50U	1.0	09/22/09 16:54	
Trichlorofluoromethane	ug/L	0.50U	1.0	09/22/09 16:54	
Vinyl acetate	ug/L	1.0U	2.0	09/22/09 16:54	

Date: 10/02/2009 08:59 AM

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QUALITY CONTROL DATA

Project: Central County Solid Waste

Pace Project No.: 351544

METHOD BLANK: 3845

Matrix: Water

Associated Lab Samples: 351544001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	0.50U	1.0	09/22/09 16:54	
Xylene (Total)	ug/L	0.50U	1.0	09/22/09 16:54	
1,2-Dichloroethane-d4 (S)	%	110	86-125	09/22/09 16:54	
4-Bromofluorobenzene (S)	%	91	70-114	09/22/09 16:54	
Dibromofluoromethane (S)	%	102	88-117	09/22/09 16:54	
Toluene-d8 (S)	%	103	87-113	09/22/09 16:54	

LABORATORY CONTROL SAMPLE: 3846

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	9.6	96	76.8-126.8	
1,1,1-Trichloroethane	ug/L	10	9.3	93	81.9-126.8	
1,1,2,2-Tetrachloroethane	ug/L	10	10.4	104	70.5-131.7	
1,1,2-Trichloroethane	ug/L	10	9.9	99	84.1-122.6	
1,1-Dichloroethane	ug/L	10	9.8	98	66.4-138.6	
1,1-Dichloroethene	ug/L	10	11.0	110	79.3-127.5	
1,2,3-Trichloropropane	ug/L	10	9.5	95	58.2-134.6	
1,2-Dichlorobenzene	ug/L	10	10.4	104	91.7-127	
1,2-Dichloroethane	ug/L	10	9.7	97	85.9-121.9	
1,2-Dichloropropane	ug/L	10	10.0	100	82.2-129.1	
1,4-Dichlorobenzene	ug/L	10	10.2	102	91.9-121.7	
2-Butanone (MEK)	ug/L	20	21.9	110	53.8-156.3	
2-Hexanone	ug/L	20	21.7	108	57.5-155.8	
4-Methyl-2-pentanone (MIBK)	ug/L	20	20.6	103	71.8-134.4	
Acetone	ug/L	20	25.2	126	47.2-184.1	
Acrylonitrile	ug/L	100	104	104	57.8-125.9	
Benzene	ug/L	10	9.8	98	77.3-132.8	
Bromochloromethane	ug/L	10	9.0	90	87.4-122.8	
Bromodichloromethane	ug/L	10	9.7	97	77.2-121.1	
Bromoform	ug/L	10	8.1	81	65.9-133.5	
Bromomethane	ug/L	10	11.4	114	48.2-223.9	
Carbon disulfide	ug/L	10	9.9	99	20.3-195.4	
Carbon tetrachloride	ug/L	10	8.6	86	69-155.5	
Chlorobenzene	ug/L	10	10.1	101	76.9-123.9	
Chloroethane	ug/L	10	11.2	112	46.7-157.8	
Chloroform	ug/L	10	9.9	99	69.7-132	
Chloromethane	ug/L	10	11.0	110	54.4-153.8	
cis-1,2-Dichloroethene	ug/L	10	9.8	98	84-127.9	
cis-1,3-Dichloropropene	ug/L	10	9.8	98	73-121.6	
Dibromochloromethane	ug/L	10	9.1	91	65.4-126.2	
Dibromomethane	ug/L	10	9.4	94	85.3-121.7	
Ethylbenzene	ug/L	10	10	100	66.4-134.4	
Iodomethane	ug/L	20	24.6	123	1-243.3	
Methylene Chloride	ug/L	10	11.7	117	65.7-137.3	
Styrene	ug/L	10	10.7	107	76.5-118.5	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Central County Solid Waste

Pace Project No.: 351544

LABORATORY CONTROL SAMPLE: 3846

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	10	9.4	94	71-134	
Toluene	ug/L	10	9.8	98	75-129	
trans-1,2-Dichloroethene	ug/L	10	10.2	102	83.3-126.3	
trans-1,3-Dichloropropene	ug/L	10	9.7	97	67.6-130	
trans-1,4-Dichloro-2-butene	ug/L	10	9.9	99	36.1-177.4	
Trichloroethene	ug/L	10	9.7	97	81.1-122.4	
Trichlorofluoromethane	ug/L	10	11.8	118	75.4-124.6	
Vinyl acetate	ug/L	20	21.2	106	72.2-139	
Vinyl chloride	ug/L	10	11.1	111	70.2-136.9	
Xylene (Total)	ug/L	30	28.5	95	82.3-126	
1,2-Dichloroethane-d4 (S)	%			92	86-125	
4-Bromofluorobenzene (S)	%			96	70-114	
Dibromofluoromethane (S)	%			95	88-117	
Toluene-d8 (S)	%			101	87-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3847 3848

Parameter	Units	351546008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	0.50U	10	10	9.5	10.7	95	107	70-130	11	40
1,1,1-Trichloroethane	ug/L	0.50U	10	10	9.5	10.3	95	103	70-130	7	40
1,1,2,2-Tetrachloroethane	ug/L	0.18U	10	10	9.6	10.6	96	106	70-130	10	40
1,1,2-Trichloroethane	ug/L	0.50U	10	10	9.5	10.8	95	108	70-130	13	40
1,1-Dichloroethane	ug/L	0.50U	10	10	10.0	10.8	100	108	70-130	7	40
1,1-Dichloroethene	ug/L	0.50U	10	10	12.2	12.3	122	123	70-130	8	40
1,2,3-Trichloropropane	ug/L	0.36U	10	10	9.0	9.6	90	96	70-130	7	40
1,2-Dichlorobenzene	ug/L	0.66U	10	10	11.0	11.3	103	107	70-130	3	40
1,2-Dichloroethane	ug/L	0.50U	10	10	9.2	9.7	92	97	70-130	5	40
1,2-Dichloropropane	ug/L	0.50U	10	10	9.7	10.6	97	106	70-130	9	40
1,4-Dichlorobenzene	ug/L	3.7	10	10	13.3	14.4	96	107	70-130	8	40
2-Butanone (MEK)	ug/L	5.0U	20	20	13.1	13.7	65	68	70-130	4	40 J
2-Hexanone	ug/L	5.0U	20	20	14.7	16.6	73	83	70-130	12	40
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	20	20	18.7	20.0	93	100	70-130	7	40
Acetone	ug/L	5.0U	20	20	10.7	11.6	54	58	70-130	8	40 J
Acrylonitrile	ug/L	5.0U	100	100	103	106	103	106	70-130	3	40
Benzene	ug/L	0.50U	10	10	10.1	10.8	101	108	70-130	6	40
Bromochloromethane	ug/L	0.50U	10	10	9.0	10.1	90	101	70-130	11	40
Bromodichloromethane	ug/L	0.27U	10	10	9.4	10.2	94	102	70-130	8	40
Bromoform	ug/L	0.50U	10	10	7.5	8.5	75	85	70-130	12	40
Bromomethane	ug/L	0.50U	10	10	9.1	9.2	91	92	70-130	4	40
Carbon disulfide	ug/L	0.50U	10	10	11.9	12.5	119	125	70-130	5	40
Carbon tetrachloride	ug/L	0.50U	10	10	8.3	8.0	83	80	70-130	4	40
Chlorobenzene	ug/L	0.50U	10	10	11.0	12.2	110	122	70-130	11	40
Chloroethane	ug/L	0.50U	10	10	10.7	11.0	107	110	70-130	3	40
Chloroform	ug/L	0.50U	10	10	9.7	10.6	97	106	70-130	9	40
Chloromethane	ug/L	0.62U	10	10	8.1	9.2	81	92	70-130	12	40
cis-1,2-Dichloroethene	ug/L	0.50U	10	10	10.2	10.8	102	108	70-130	6	40

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QUALITY CONTROL DATA

Project: Central County Solid Waste

Pace Project No.: 351544

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3847

3848

Parameter	Units	351546008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
cis-1,3-Dichloropropene	ug/L	0.25U	10	10	9.2	9.2	92	92	70-130	.3	40	
Dibromochloromethane	ug/L	0.26U	10	10	8.8	9.7	88	97	70-130	9	40	
Dibromomethane	ug/L	0.50U	10	10	8.8	9.2	88	92	70-130	4	40	
Ethylbenzene	ug/L	0.50U	10	10	10.6	11.7	106	117	70-130	10	40	
Iodomethane	ug/L	0.50U	20	20	27.7	31.3	139	156	70-130	12	40	J
Methylene Chloride	ug/L	2.5U	10	10	11.5	11.7	115	117	70-130	2	40	
Styrene	ug/L	0.50U	10	10	10.9	11.2	109	112	70-130	2	40	
Tetrachloroethene	ug/L	0.50U	10	10	8.8	9.9	88	99	70-130	12	40	
Toluene	ug/L	0.50U	10	10	10.5	11.6	105	116	70-130	10	40	
trans-1,2-Dichloroethene	ug/L	0.50U	10	10	10.6	12.2	106	122	70-130	14	40	
trans-1,3-Dichloropropene	ug/L	0.25U	10	10	9.2	10.6	92	106	70-130	14	40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10	10	7.9	8.0	79	80	70-130		40	
Trichloroethene	ug/L	0.50U	10	10	9.5	10.7	95	107	70-130	11	40	
Trichlorofluoromethane	ug/L	0.50U	10	10	12.2	12.4	122	124	70-130	2	40	
Vinyl acetate	ug/L	1.0U	20	20	19.5	20.6	98	103	70-130	5	40	
Vinyl chloride	ug/L	0.50U	10	10	11.0	10.7	110	107	70-130	3	40	
Xylene (Total)	ug/L	0.50U	30	30	29.7	32.4	99	108	70-130	9	40	
1,2-Dichloroethane-d4 (S)	%						90	91	86-125			
4-Bromofluorobenzene (S)	%						96	97	70-114			
Dibromofluoromethane (S)	%						92	92	88-117			
Toluene-d8 (S)	%						100	99	87-113			

QUALITY CONTROL DATA

Project: Central County Solid Waste
Pace Project No.: 351544 ✓

QC Batch: WETA/1126 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 351544001

METHOD BLANK: 3126 Matrix: Water
Associated Lab Samples: 351544001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020U	0.050	09/21/09 12:43	

LABORATORY CONTROL SAMPLE: 3127

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	105	90-110	

MATRIX SPIKE SAMPLE: 3129

Parameter	Units	351471002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	31.0	1	3.9	-2700	90-110 J	

SAMPLE DUPLICATE: 3128

Parameter	Units	351471002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	31.0	3.1	164	20	

QUALITY CONTROL DATA

Project: Central County Solid Waste
Pace Project No.: 351544

QC Batch: WET/1095 Analysis Method: SM10200
QC Batch Method: SM10200 Analysis Description: Chlorophyll & Pheophytin
Associated Lab Samples: 351544001

METHOD BLANK: 3358 Matrix: Water
Associated Lab Samples: 351544001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlorophyll a	mg/m3	1.0U	1.0	09/25/09 11:25	

SAMPLE DUPLICATE: 3359

Parameter	Units	351544001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chlorophyll a	mg/m3	5.6	2.5	77	20	Q

QUALITY CONTROL DATA

Project: Central County Solid Waste

Pace Project No.: 351544

QC Batch: WETA/1162

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Associated Lab Samples: 351544001

METHOD BLANK: 3885

Matrix: Water

Associated Lab Samples: 351544001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	2.5U	5.0	09/22/09 09:29	

LABORATORY CONTROL SAMPLE: 3886

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	50	47.4	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3887

3888

Parameter	Units	351572001 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	46.7	46.6	93	93	90-110	.2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3889

3890

Parameter	Units	351572005 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	46.5	46.4	92	92	90-110	.02	20	

QUALITY CONTROL DATA

Project: Central County Solid Waste
Pace Project No.: 351544

QC Batch: WET/1082 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 351544001

METHOD BLANK: 3095 Matrix: Water
Associated Lab Samples: 351544001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	2.0U	2.0	09/23/09 12:58	J

LABORATORY CONTROL SAMPLE: 3096

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	217	110	85-115	

SAMPLE DUPLICATE: 3097

Parameter	Units	351510001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	4.5	6.0U		20	

QUALITY CONTROL DATA

Project: Central County Solid Waste
Pace Project No.: 351544

QC Batch: WET/1091	Analysis Method: SM 2540C
QC Batch Method: SM 2540C	Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 351544001	

METHOD BLANK: 3234 Matrix: Water

Associated Lab Samples: 351544001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	09/21/09 12:01	

LABORATORY CONTROL SAMPLE: 3235

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	297	99	90-110	

SAMPLE DUPLICATE: 3236

Parameter	Units	351481001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	145	141	3	20	

SAMPLE DUPLICATE: 3237

Parameter	Units	351477002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	41000	41400	1	20	

QUALITY CONTROL DATA

Project: Central County Solid Waste

Pace Project No.: 351544

QC Batch: WETA/1144

Analysis Method: EPA 353.2

QC Batch Method: EPA 353.2

Analysis Description: 353.2 Nitrate + Nitrite, preserved

Associated Lab Samples: 351544001

METHOD BLANK: 3437

Matrix: Water

Associated Lab Samples: 351544001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.025U	0.050	09/22/09 13:13	

LABORATORY CONTROL SAMPLE: 3438

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.0	100	90-110	

MATRIX SPIKE SAMPLE: 3440

Parameter	Units	351483001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.098	2	2.2	103	80-120	

SAMPLE DUPLICATE: 3439

Parameter	Units	351483001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.098	0.097	1	20	

QUALITY CONTROL DATA

Project: Central County Solid Waste

Pace Project No.: 351544

QC Batch: WET/1120

Analysis Method: SM 2320B

QC Batch Method: SM 2320B

Analysis Description: 2320B Alkalinity

Associated Lab Samples: 351544001

METHOD BLANK: 3963

Matrix: Water

Associated Lab Samples: 351544001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Carbonate (CaCO ₃)	mg/L	5.0U	5.0	09/23/09 15:02	
Alkalinity, Total as CaCO ₃	mg/L	5.0U	5.0	09/23/09 15:02	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	5.0U	5.0	09/23/09 15:02	

LABORATORY CONTROL SAMPLE: 3964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Carbonate (CaCO ₃)	mg/L		249			
Alkalinity, Total as CaCO ₃	mg/L	250	252	101	90-110	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L		5.0U			

MATRIX SPIKE SAMPLE: 3966

Parameter	Units	351544001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Carbonate (CaCO ₃)	mg/L	5.0U		237			
Alkalinity, Total as CaCO ₃	mg/L	111	250	365	102	90-110	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	111		129			

MATRIX SPIKE SAMPLE: 3968

Parameter	Units	351483001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Carbonate (CaCO ₃)	mg/L	5.0U		213			
Alkalinity, Total as CaCO ₃	mg/L	5.0U	250	255	102	90-110	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	5.0U		42.3			

SAMPLE DUPLICATE: 3965

Parameter	Units	351544001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Carbonate (CaCO ₃)	mg/L	5.0U	5.0U		20	
Alkalinity, Total as CaCO ₃	mg/L	111	108	3	20	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	111	108	3	20	

QUALITY CONTROL DATA

Project: Central County Solid Waste

Pace Project No.: 351544

SAMPLE DUPLICATE: 3967

Parameter	Units	351483001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Carbonate (CaCO ₃)	mg/L	5.0U	5.0U		20	
Alkalinity, Total as CaCO ₃	mg/L	5.0U	5.0U		20	
Alkalinity, Bicarbonate (CaCO ₃)	mg/L	5.0U	5.0U		20	

QUALITY CONTROL DATA

Project: Central County Solid Waste

Pace Project No.: 351544

QC Batch: MPRP/1059

Analysis Method: EPA 6020

QC Batch Method: EPA 3010

Analysis Description: 6020 MET

Associated Lab Samples: 351544001

METHOD BLANK: 3134

Matrix: Water

Associated Lab Samples: 351544001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	0.050U	0.10	09/22/09 15:38	
Cadmium	ug/L	0.050U	0.10	09/22/09 15:38	
Copper	ug/L	0.93U	1.0	09/22/09 15:38	
Lead	ug/L	0.50U	1.0	09/22/09 15:38	
Selenium	ug/L	0.50U	1.0	09/22/09 15:38	
Silver	ug/L	0.050U	0.10	09/22/09 15:38	
Thallium	ug/L	0.50U	1.0	09/22/09 15:38	
Zinc	ug/L	2.5U	5.0	09/22/09 15:38	

LABORATORY CONTROL SAMPLE: 3135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	5	5.4	109	90-110	
Cadmium	ug/L	5	5.1	101	90-110	
Copper	ug/L	50	52.6	105	90-110	
Lead	ug/L	50	51.6	103	90-110	
Selenium	ug/L	50	51.9	104	90-110	
Silver	ug/L	5	5.2	104	90-110	
Thallium	ug/L	50	50.6	101	90-110	
Zinc	ug/L	250	257	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3136

3137

Parameter	Units	351409021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Beryllium	ug/L	0.050U	5	5	5.2	5.2	103	103	70-130	.2	20
Cadmium	ug/L	0.050U	5	5	5.0	4.9	100	98	70-130	1	20
Copper	ug/L	0.93U	50	50	49.1	49.4	98	99	70-130	.6	20
Lead	ug/L	0.50U	50	50	51.5	51.1	103	102	70-130	.7	20
Selenium	ug/L	0.50U	50	50	50.5	50.6	101	101	70-130	.1	20
Silver	ug/L	0.050U	5	5	5.1	5.1	101	101	70-130	0	20
Thallium	ug/L	0.50U	50	50	51.8	51.4	103	103	70-130	.8	20
Zinc	ug/L	2.5U	250	250	241	242	96	97	70-130	.6	20

QUALITY CONTROL DATA

Project: Central County Solid Waste

Pace Project No.: 351544

QC Batch: WETA/1184

Analysis Method: EPA 365.4

QC Batch Method: EPA 365.4

Analysis Description: 365.4 Phosphorus

Associated Lab Samples: 351544001

METHOD BLANK: 4171

Matrix: Water

Associated Lab Samples: 351544001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus, Total (as P)	mg/L	0.050U	0.10	09/24/09 12:48	

LABORATORY CONTROL SAMPLE: 4172

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus, Total (as P)	mg/L	4	4.0	101	90-110	

MATRIX SPIKE SAMPLE: 4174

Parameter	Units	351515001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus, Total (as P)	mg/L	3.1	4	7.1	100	80-120	

SAMPLE DUPLICATE: 4173

Parameter	Units	351515001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus, Total (as P)	mg/L	3.1	3.1	.9	20	

QUALITY CONTROL DATA

Project: Central County Solid Waste

Pace Project No.: 351544

QC Batch: CVFS/1744

Analysis Method: EPA 1631E

QC Batch Method: EPA 1631E

Analysis Description: 1631E Mercury

Associated Lab Samples: 351544001, 351544002

METHOD BLANK: 213105

Matrix: Water

Associated Lab Samples: 351544001, 351544002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	0.153I	0.50	09/28/09 08:41	

METHOD BLANK: 213106

Matrix: Water

Associated Lab Samples: 351544001, 351544002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	0.12U	0.50	09/28/09 10:16	

METHOD BLANK: 213107

Matrix: Water

Associated Lab Samples: 351544001, 351544002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	0.12U	0.50	09/28/09 11:29	

LABORATORY CONTROL SAMPLE & LCSD: 213108

213109

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Mercury	ng/L	5	5.06	4.45	101	89	79-121	13	24	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 213110

213111

Parameter	Units	9253151003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ng/L	502	2000	2000	2450	2390	97	94	75-125	3	24	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 213112

213113

Parameter	Units	351626001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ng/L	47.6	200	200	214	222	83	87	75-125	4	24	

QUALITY CONTROL DATA

Project: Central County Solid Waste
Pace Project No.: 351544

QC Batch: WETA/1158 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 351544001

METHOD BLANK: 3780 Matrix: Water
Associated Lab Samples: 351544001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5U	25.0	09/22/09 18:22	

LABORATORY CONTROL SAMPLE: 3781

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	493	99	90-110	

MATRIX SPIKE SAMPLE: 3782

Parameter	Units	351378001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	40.7	500	469	86	90-110 J	

SAMPLE DUPLICATE: 3783

Parameter	Units	351378001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	40.7	39.0	4	20	

QUALITY CONTROL DATA

Project: Central County Solid Waste
Pace Project No.: 351544

QC Batch: WETA/1183 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 351544001

METHOD BLANK: 4153 Matrix: Water
Associated Lab Samples: 351544001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.25U	0.50	09/24/09 13:04	

LABORATORY CONTROL SAMPLE: 4154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	20	20.0	100	90-110	

MATRIX SPIKE SAMPLE: 4156

Parameter	Units	351515001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.9	20	22.7	104	90-110	

SAMPLE DUPLICATE: 4155

Parameter	Units	351515001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.9	2.0	1	20	

QUALIFIERS

Project: Central County Solid Waste
Pace Project No.: 351544

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

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 Estimated value.

Q Sample held beyond the accepted holding time.