Sarasota County

Central County Solid Waste Disposal Complex

Permit Number: 130542-022-SO/01

WACS ID: SWD/58/51614

2015 Semi-Annual Groundwater Report (January – June 2015)

2015 Semi-Annual Surface Water Report (January – June 2015)

July 2015

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

Sarasota County

SARASOTA COUNTY

"Dedicated to Quality Service"

July 30th, 2015

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

RE: Central County Solid Waste Disposal Complex
Permit Number 130542-022-SO/01
1st Semi-Annual Groundwater Report (January – June 2015)
1st Semi-Annual Surface Water Report (January – June 2015)

Dear Mr. Sautter:

Enclosed are the 1st Semi-Annual Groundwater and Surface Water Monitoring Reports for 2015 as specified in Appendix 3.II and 3.III, respectively, of the permit. Included as well are the associated ADaPT files as specified in Appendix 3.V.E.7 of the permit.

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

Specific Condition D.1 and 2 of the permit establishes primary and secondary zones of discharge as well as alternative background concentrations for four parameters. The primary zone of discharge shall not have Class G-II water quality standards and background water quality concentrations exceeded outside the boundary except for the following parameters: ammonia-N, arsenic, iron, TDS and manganese. Alternative background concentrations have also been established for sodium and chloride, at 456 mg/L and 643 mg/L, respectively.

The secondary zone of discharge shall not have Class G-II water quality standards and background water quality concentrations exceeded outside the boundary for the following parameters: ammonia-N, arsenic, iron, TDS and manganese. Alternative background concentrations have also been established for iron and total dissolved solids, at 6.3 mg/L and 1924 mg/L, respectively.

Once these Specific Conditions are applied to the sampling results for the primary zone of discharge, only pH remains as an exceedence. The ADaPT program cannot accommodate these site specific Specific Conditions, therefore the ADaPT files will contain more exceedences which are not in this report.

One of the secondary zone of discharge wells, NAM-3, sample on April 29th, 2015, yielded results of 6.62 mg/l of iron and 12.4 ug/l of arsenic exceeding the limits of 6.3 mg/l and 10 ug/l, respectively. The well was resampled on July 1st, 2015 to confirm the results. The original results were not

confirmed with 5.88 mg/l of iron and 6.83 ug/l of arsenic being reported. As this is only the third sampling of the well a historical trend is not yet available which is why the well was resampled.

There were no exceedences for surface water parameters.

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

Sincerely,

Alison J. Eggleston

Alison J. Eggleston
Environmental Specialist

Cc: FDEP, Solid Waste, Tallahassee, FL

Florida Department of Environmental Protection

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

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

WATER QUALITY MONITORING CERTIFICATION

PART I GENERAL INFORMATION

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

Address 4000 Knights Trail Rd

City Nokomis Zip 34275 County Sarasota

Telephone Number (941)861-1573

(2) WACS Facility ID SWD/58/51614

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

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

Address 4000 Knights Trail Rd

City Nokomis Zip 34275 County Sarasota

Telephone Number (941)650-4799

Email address (if available) aegglest@scgov.net

CERTIFICATION

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

7/30/2015
(Date)

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

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Sarasota County

Analytical Lab NELAC / HRS Certification # E83079 E84167

Lab Name PAS, Inc Benchmark EnviroAnalytical, Inc

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

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

Email address (if available)

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

2015 - 1st Semi-Annual Groundwater Evaluation Monitoring Report - Groundwater Monitoring Wells

		20585	21455	4509	4510	23031	23032	23033	29095	27140	27141
		Background	Detection	Detection	Detection	Detection	Detection	Detection	Detection	Detection	Detection
Parameter	MCL	MW-1R	MW-8A	MW-9	MW-10R	MW-15	MW-16	MW-17	MW-18R	MW-19A	MW-20A
pH	6.5-8.5	**6.39**	**6.26**		**6.40**		**6.25**	**6.25**	**6.00**		
Sodium	456 mg/l*										
Chloride	643 mg/l*										

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

2015 - 1st Semi-Annual Groundwater Evaluation Monitoring Report - Natural Attenuation Monitoring Wells

		29091	29092	29093	29094
		NAM	NAM	NAM	NAM
Parameter	MCL	NAM-1	NAM-2	NAM-3	NAM-4
Total Ammonia	2.8 mg/l				
Iron	6.3 mg/l*				
Manganese	50 ug/l				
Arsenic	10 ug/l				**30.7**
Solids, Total Dissolved	1924 mg/l*				

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

2015 - 1st Semi-Annual Surface Water Evaluation Monitoring Report

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

There were no exceedences for Surface Water.

Central County Solid Waste Disposal Complex
Water Elevation Table

Well	Depth to Water (ft)	Top of Casing (ft)	Calculated Water Elevation (ft)
MW-3	4.20	23.340	19.14
MW-5	5.24	23.190	17.95
MW-1R	5.64	24.428	18.79
MW-8A	16.65	35.400	18.75
MW-9	13.53	32.08	18.55
MW-10R	20.85	39.49	18.64
CW-8A	16.43	35.040	18.61
CW-9	7.67	26.582	18.91
CW-10R	8.05	26.982	18.93
MW-15	25.27	44.320	19.05
MW-16	25.50	43.730	18.23
MW-17	29.11	46.150	17.04
MW-18R	10.66	28.330	17.67
CW-15	10.96	30.173	19.21
CW-16	11.43	29.578	18.15
MW-19A	10.23	27.52	17.29
MW-20A	10.70	27.38	16.68
NAM-1	4.43	19.87	15.44
NAM-2	4.46	20.02	15.56
NAM-3	4.11	20.62	16.51
NAM-4	8.26	22.66	14.40

Staff Gauge	Staff Gauge Reading (ft)	Staff Gauge Elevation (ft)	Calculated Water Elevation (ft)
STW1	2.95	21.187 (3')	21.14
STW1A	3.52	22.64 (6')	20.16
STW2	1.28	20.305 (4')	17.59
STW2A	2.43	20.18 (5')	17.61
STW3	1.00	20.191 (4')	17.19
STW3A	2.70	18.43 (4')	17.13
STW4	dry	19.342 (4')	
STW4A	2.99	17.35 (4')	16.34
STW5A	dry	19.788 (4')	
STW5B	2.45	18.04 (4')	16.49
STW6	0.25	19.37 (4')	15.62
STW6A	3.32	17.67 (5')	15.99
STW7	0.80	22.287 (4')	19.09
STW7A	4.00	19.02 (4')	19.02

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

Measured by Alison Eggleston on 05/21/2015

0 150 300 600
GRAPHIC SCALE
SCALE: 1" = 300'

LEGEND:

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

NOTE:

1. GROUNDWATER DATA FROM MAY 21, 2015
2. GROUNDWATER ELEVATION GIVEN IN PARENTHESES

Bradley D. Bugge
PG 1733
6-16-15

FT-NGVD = FEET ABOVE NATIONAL GEODETIC VERTICAL DATUM

ATKINS

SARASOTA COUNTY
CENTRAL COUNTY SOLID WASTE
DISPOSAL COMPLEX

GROUNDWATER CONTOUR MAP
MAY 2015

FIGURE
1

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275

WELL NO: MW-18R	SAMPLE ID: ~~20595~~ 29095 AE	DATE: 4/27/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 11.02	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (18.63 feet – 11.02 feet) X 0.16 gallons/foot = 1.2 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.6	PURGING INITIATED AT: 0906	PURGING ENDED AT: 0929	TOTAL VOLUME PURGED (gallons): 1.8

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)
0921	1.2	1.2	0.08	11.84	6.01	26.90	611	0.31	13.9	med amber	none/sheen
0925	0.3	1.5	0.08	11.90	6.00	26.76	614	0.28	13.8	↓	↓
0929	0.3	1.8	0.08	11.95	6.00	26.73	622	0.24	15.6	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 0930	SAMPLING ENDED AT: 0939
PUMP OR TUBING DEPTH IN WELL (feet): 12.6	TUBING MATERIAL CODE: HDPE : S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	N/A	8260-vocs App. I	APP	250
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	APP	↓
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	<2	Metals – App. I	APP	↓
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	<2	Nutrients – App. I	APP	↓
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: MW-19A	SAMPLE ID: 27140	DATE: 4/27/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 12 feet to 22 feet	STATIC DEPTH TO WATER (feet): 10.78	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.5 feet – 10.78 feet) X 0.16 gallons/foot = 1.9 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.8	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1006	PURGING ENDED AT: 1042	TOTAL VOLUME PURGED (gallons): 2.9

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)
1030	1.9	1.9	0.08	11.60	6.69	26.12	817	0.23	0.94	pale yellow/brown	none
1036	0.5	2.4	0.08	11.64	6.69	26.11	818	0.20	7.72	↓	↓
1042	0.5	2.9	0.08	11.66	6.70	26.02	825	0.20	5.25		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1043	SAMPLING ENDED AT: 1051
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: HDPE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	N/A	8260-vocs App. I	APP	300
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	APP	↓
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals – App. I	APP	
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Nutrients – App. I	APP	
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275
WELL NO: MW-20A	SAMPLE ID: 27141 — DATE: 4/27/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 11.14	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.5 feet – 11.14 feet) X 0.16 gallons/foot = 1.8 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): 12.2	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.6	PURGING INITIATED AT: 1113	PURGING ENDED AT: 1148	TOTAL VOLUME PURGED (gallons): 2.8

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)
1136	1.8	1.8	0.08	12.17	6.51	26.42	851	0.19	0.74	Pale Yellow/Sharp	Sl. Sulfur
1142	0.5	2.3	0.08	12.17	6.52	26.37	856	0.19	0.54	↓	↓
1148	0.5	2.8	0.08	12.17	6.55	26.50	868	0.17	0.73		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1149	SAMPLING ENDED AT: 1158
PUMP OR TUBING DEPTH IN WELL (feet): 12.6	TUBING MATERIAL CODE: HDPE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

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

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	N/A	8260-vocs App. I	APP	300
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	APP	↓
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals – App. I	APP	
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Nutrients – App. I	APP	
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275

WELL NO: MW-1R	SAMPLE ID: 20585	DATE: 4/27/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.68	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15.7 feet – 6.68 feet) X 0.16 gallons/foot = 1.4 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.7	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.0	PURGING INITIATED AT: 1236	PURGING ENDED AT: 1304	TOTAL VOLUME PURGED (gallons): 2.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1254	1.4	1.4	0.08	7.66	6.34	24.54	603	0.50	2.93	pale yellow / clear	none
1259	0.4	1.8	0.08	7.76	6.36	24.57	592	0.45	1.93	↓	↓
1304	0.4	2.2	0.08	7.83	6.39	24.48	587	0.35	2.59	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1305	SAMPLING ENDED AT: 1311
PUMP OR TUBING DEPTH IN WELL (feet): 8.0	TUBING MATERIAL CODE: HDPE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	N/A	8260-vocs App. I	APP	300
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	APP	↓
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals – App. I	APP	↓
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Nutrients – App. I	APP	↓
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275
WELL NO: NAM-4 / SAMPLE ID: 29094	DATE: 4/29/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 8.20	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.5 feet – 8.20 feet) X 0.16 gallons/foot = 1.0 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.2	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.2	PURGING INITIATED AT: 0935	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons): 2.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0949	1.0	1.0	0.08	8.51	6.69	23.99	1101	0.35	7.34	pale amber/clear	none
0953	0.3	1.3	0.08	8.52	6.71	23.82	1030	0.32	5.18	↓	↓
0957	0.3	1.6	0.08	8.53	6.69	23.73	957	0.29	2.36	↓	↓
1001	0.3	1.9	0.08	8.55	6.69	23.74	919	0.26	1.36	↓	↓
1005	0.3	2.2	0.08	8.55	6.69	23.75	894	0.27	1.72	↓	↓
1009	0.3	2.5	0.08	8.55	6.67	23.80	879	0.23	0.88	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1010	SAMPLING ENDED AT: 1015
PUMP OR TUBING DEPTH IN WELL (feet): 9.2	TUBING MATERIAL CODE: HDPE is	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 (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals	APP	300
B	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Total Ammonia	APP	↓
C	1	HDPE	1 L	H2SO4 & wet ice	N/A	N/A	Misc. Inorganics	APP	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275
WELL NO: NAM-3 / SAMPLE ID: 29093	DATE: 4/29/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 3.92	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.5 feet – 3.92 feet) X 0.16 gallons/foot = 1.7 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 4.9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 4.9	PURGING INITIATED AT: 1041	PURGING ENDED AT: 1105	TOTAL VOLUME PURGED (gallons): 2.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1057	1.8	1.8	0.11	4.43	6.76	24.11	742	0.21	1.19	clear/glass/green	none
1101	0.4	2.2	0.11	4.44	6.77	24.16	740	0.23	0.54	↓	↓
1105	0.4	2.6	0.11	4.44	6.79	24.09	734	0.18	0.47	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1107	SAMPLING ENDED AT: 1112
PUMP OR TUBING DEPTH IN WELL (feet): 4.9	TUBING MATERIAL CODE: HDPE S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals	APP	400
B	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Total Ammonia	APP	↓
C	1	HDPE	1 L	H2SO4 & wet ice	N/A	N/A	Misc. Inorganics	APP	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275
WELL NO: NAM-2 / SAMPLE ID: 29092	DATE: 4/29/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.08	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.5 feet – 4.08 feet) X 0.16 gallons/foot = 1.7 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5.1	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5.1	PURGING INITIATED AT: 1140	PURGING ENDED AT: 1204	TOTAL VOLUME PURGED (gallons): 2.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1156	1.8	1.8	0.11	4.20	6.77	24.47	813	0.20	0.73	colorless	none
1200	0.4	2.2	0.11	4.20	6.80	24.37	815	0.21	0.90	↓	↓
1204	0.4	2.6	0.11	4.20	6.79	24.36	814	0.18	0.72	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1205	SAMPLING ENDED AT: 1211
PUMP OR TUBING DEPTH IN WELL (feet): 5.1	TUBING MATERIAL CODE: LDPE ES	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 (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals	APP	400
B	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Total Ammonia	APP	↓
C	1	HDPE	1 L	H2SO4 & wet ice	N/A	N/A	Misc. Inorganics	APP	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275
WELL NO: NAM-1 / SAMPLE ID: 29091	DATE: 4/29/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches) 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): ~~8.20~~ 3.80 TB	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.5 feet – ~~8.25~~ 3.80 feet) X 0.16 gallons/foot = 1.7 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 4.8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 4.8	PURGING INITIATED AT: 1235	PURGING ENDED AT: 1259	TOTAL VOLUME PURGED (gallons): 2.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1251	1.8	1.8	0.11	4.30	6.75	25.81	843	1.68	0.66	colorless	none
1255	0.4	2.2	0.11	4.30	6.77	25.78	850	1.59	3.29	↓	↓
1259	0.4	2.6	0.11	4.30	6.77	25.84	861	1.38	1.41	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1300	SAMPLING ENDED AT: 1306
PUMP OR TUBING DEPTH IN WELL (feet): 4.8	TUBING MATERIAL CODE: LDPE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

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

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals	APP	400
B	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Total Ammonia	APP	↓
C	1	HDPE	1 L	H2SO4 & wet ice	N/A	N/A	Misc. Inorganics	APP	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: MW-8A	SAMPLE ID: 21453	DATE 5/19/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 16.74	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.4 feet – 16.74 feet) X 0.16 gallons/foot = 0.9 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 17.7	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18.2	PURGING INITIATED AT: 1025	PURGING ENDED AT: 1045	TOTAL VOLUME PURGED (gallons): 1.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1037	1.0	1.0	0.8	17.61	6.25	25.09	1495	0.28	1.56	zero	amber sheen & sulfur
1041	0.3	1.3	0.8	17.67	6.26	25.06	1526	0.24	1.40	↓	↓
1045	0.3	1.6	0.8	17.75	6.26	25.11	1513	0.23	1.45	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1040	SAMPLING ENDED AT: 1055
PUMP OR TUBING DEPTH IN WELL (feet): 18.2	TUBING MATERIAL CODE: HDPE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	—	8260-vocs App. I	APP	200
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	APP	200
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals – App. I	APP	300
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Nutrients – App. I	APP	300
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	300

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: MW-9	SAMPLE ID: 4509	DATE: 5/19/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 13.62	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.8 feet – 13.62 feet) X 0.16 gallons/foot = 1.5 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.6	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.6	PURGING INITIATED AT: 1129	PURGING ENDED AT: 1151	TOTAL VOLUME PURGED (gallons): 2.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1143	1.5	1.5	0.11	14.04	6.52	27.96	1863	0.21	1.10	pale yellow/brown	none
1147	0.4	1.9	0.11	14.05	6.52	27.98	1863	0.20	0.55	↓	↓
1151	0.4	2.3	0.11	14.05	6.53	27.98	1863	0.18	0.51	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1152	SAMPLING ENDED AT: 1158
PUMP OR TUBING DEPTH IN WELL (feet): 14.6	TUBING MATERIAL CODE: HDPE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	—	8260-vocs App. I	APP	300
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	APP	300
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals – App. I	APP	400
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Nutrients – App. I	APP	↓
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275

WELL NO: MW-10R	SAMPLE ID: 4510	DATE: 5/19/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 20.93	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (30.2 feet – 20.93 feet) X 0.16 gallons/foot = 1.5 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 22	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 22.3	PURGING INITIATED AT: 1222	PURGING ENDED AT: 1251	TOTAL VOLUME PURGED (gallons): 2.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1241	1.5	1.5	0.08	21.83	6.38	26.80	1486	0.15	1.37	petroleum tanbern	none
1246	0.4	1.9	0.08	21.92	6.40	26.67	1480	0.16	1.67	sheen	↓
1251	0.4	2.3	0.08	21.94	6.40	26.62	1473	0.17	1.09	↓	↓

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016
PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1252	SAMPLING ENDED AT: 1302
PUMP OR TUBING DEPTH IN WELL (feet): 22.3	TUBING MATERIAL CODE: HDPE 9.5	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 (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	—	8260-vocs App. I	APP	300
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	APP	300
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals – App. I	APP	300
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Nutrients – App. I	APP	300
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	300

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: MW-17	SAMPLE ID: 23033	DATE: 5/20/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8 0.25 AE	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 29.11	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (32.6 feet – 29.11 feet) X 0.16 gallons/foot = 0.6 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30.1	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30.1	PURGING INITIATED AT: 0935	PURGING ENDED AT: 0951	TOTAL VOLUME PURGED (gallons): 1.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0943	0.6	0.6	0.08	<30.1	6.23	26.69	1741	0.57	3.16	med yellow	none
0947	0.3	0.9	0.08	<30.1	6.24	26.84	1744	0.51	2.79	sheen	↓
0951	0.3	1.2	0.08	<30.1	6.25	26.81	1746	0.40	2.29	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 0953	SAMPLING ENDED AT: 1002
PUMP OR TUBING DEPTH IN WELL (feet): 30.1	TUBING MATERIAL CODE: HDPE ~~FS~~ AE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	—	8260-vocs App. I	~~APP~~ ESP	300
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	AE APP	↓
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals – App. I	APP	↓
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Nutrients – App. I	APP	↓
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	↓

REMARKS: Pump bottom set at ~ 30.1' feet, no air draw so depth to water assumed to be less than 30.1'

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275

WELL NO: MW-16	SAMPLE ID: 23032	DATE: 5/20/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): ~~0.25~~ AE 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 25.5	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (30.3 feet – 25.5 feet) X 0.16 gallons/foot = 0.8 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26.5	PURGING INITIATED AT: 1045	PURGING ENDED AT: 1109	TOTAL VOLUME PURGED (gallons): 1.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1101	0.8	0.8	0.05	<26.5	6.26	28.84	2240	0.26	2.40	med yellow Sheen	none
1105	0.2	1.0	0.05	<26.5	6.25	28.85	2235	0.22	2.34	↓	↓
1109	0.2	1.2	0.05	<26.5	6.25	28.77	2231	0.19	2.37	↓	↓

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016
PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1110	SAMPLING ENDED AT: 1123
PUMP OR TUBING DEPTH IN WELL (feet): 26.5	TUBING MATERIAL CODE: LDPE	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 (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	—	8260-vocs App. I	~~APP~~ ESP	200
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	AE APP	↓
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals – App. I	APP	↓
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Nutrients – App. I	APP	↓
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	↓

REMARKS: Pump bottom set at 26.5', no air drawn so depth to water not greater than 26.5'

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: MW-15	SAMPLE ID: 23031	DATE: 5/20/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): ~~0.3/8~~	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 25.27	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (30.5 feet – 25.27 feet) X 0.16 gallons/foot = 0.8 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26.3	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26.3	PURGING INITIATED AT: 1155	PURGING ENDED AT: 1219	TOTAL VOLUME PURGED (gallons): 2.4

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1211	0.8	0.8	0.05	<26.3	6.56	28.92	3313	0.18	5.77	red amber	none
1215	0.8	~~0.8~~ 1.6	0.05	<26.3	6.55	28.80	3281	0.13	3.78	Sheen	↓
1219	0.8	~~0.8~~ 2.4	0.05	<26.3	6.55	28.83	3261	0.13	2.51	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1220	SAMPLING ENDED AT: 1234
PUMP OR TUBING DEPTH IN WELL (feet): 26.3	TUBING MATERIAL CODE: LDPE	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 (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	—	8260-vocs App. I	~~APP~~ ESP	200
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	APP	↓
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals – App. I	APP	↓
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Nutrients – App. I	APP	↓
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

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

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

SURVEY/PROJECT: Central Est Semi 2015 340 SAMPLERS: AE tdg METER # Y51-550

STATION NUMBER	STATION DESCRIPTION	PARAMETER	DATE	TIME	TOTAL DEPTH	SAMPLE DEPTH	WATER TEMP	DO	%SAT DO	COND	SALINITY	PH	TURBIDITY
		UNIT	yy/mm/dd	hr:min	feet	feet	Celsius	mg/L	%	µS/cm	ppt	su	NTU
		STORET CODE	73672		81903	68	10	299	301	94	480	400	82078
28824	Pond 1		15/05/21	10:00	2.0	0.5	28.59	3.02	—	458	—	6.96	20.2
28825	Pond 2		15/05/21	10:40	1.5	0.5	29.51	4.39	—	517	—	7.24	37.0

FIELD CONDITIONS FOR STATION# _____ AT TIME_____:

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

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

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

Revision Date: February 1, 2004

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC.		SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: NAM-3	SAMPLE ID: 29093		DATE: 7/1/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.42	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.5 feet – 5.42 feet) X 0.16 gallons/foot = 1.5 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6.4	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.4	PURGING INITIATED AT: 1008	PURGING ENDED AT: 1030	TOTAL VOLUME PURGED (gallons): 2.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1022	1.5	1.5	0.11	6.00	6.75	26.59	643	0.31	0.38	pale yellow Sheen	none
1026	0.4	1.9	0.11	6.02	6.76	26.61	644	0.31	0.64	↓	↓
1030	0.4	2.3	0.11	6.10	6.75	26.58	645	0.26	1.44	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston/Sarasota Co.	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1031	SAMPLING ENDED AT: 1031
PUMP OR TUBING DEPTH IN WELL (feet): 6.4	TUBING MATERIAL CODE: LDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A	1	HDPE	250mL	HNO_3	—	—	Metals, Fe, As	APP	400

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

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

May 19, 2015

REVIEWED
By Cesar Rodriguez at 3:49 pm, Jun 10, 2015

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

RE: Project: Sarasota Central Landfill
Pace Project No.: 35185629

Dear Mr. Rodriquez:
Enclosed are the analytical results for sample(s) received by the laboratory on April 27, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Joe Vondrick
joe.vondrick@pacelabs.com
Project Manager

Enclosures

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

REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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

SAMPLE SUMMARY

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35185629001	**Equip Blank 042715**	Water	04/27/15 08:50	04/27/15 23:45
35185629002	**MW-18R**	Water	04/27/15 09:30	04/27/15 23:45
35185629003	**MW-19A**	Water	04/27/15 10:43	04/27/15 23:45
35185629004	**MW-20A**	Water	04/27/15 11:49	04/27/15 23:45
35185629005	**MW-1R**	Water	04/27/15 13:11	04/27/15 23:45
35185629006	**Trip Blank #1**	Water	04/27/15 08:00	04/27/15 23:45

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Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35185629001	Equip Blank 042715	EPA 8011	AYF	2	PASI-O
		EPA 6010	CKJ	17	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	KHC	2	PASI-O
		EPA 350.1	BIP	1	PASI-O
		EPA 353.2	KEK	1	PASI-O
35185629002	MW-18R	EPA 8011	AYF	2	PASI-O
		EPA 6010	CKJ	17	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	KHC	2	PASI-O
		EPA 350.1	BIP	1	PASI-O
		EPA 353.2	KEK	1	PASI-O
35185629003	MW-19A	EPA 8011	AYF	2	PASI-O
		EPA 6010	CKJ	17	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	KHC	2	PASI-O
		EPA 350.1	BIP	1	PASI-O
		EPA 353.2	KEK	1	PASI-O
35185629004	MW-20A	EPA 8011	AYF	2	PASI-O
		EPA 6010	CKJ	17	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	KHC	2	PASI-O
		EPA 350.1	BIP	1	PASI-O
		EPA 353.2	KEK	1	PASI-O
35185629005	MW-1R	EPA 8011	AYF	2	PASI-O

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Ormond Beach, FL 32174
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SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	CKJ	17	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CRT	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	KHC	2	PASI-O
		EPA 350.1	BIP	1	PASI-O
		EPA 353.2	KEK	1	PASI-O
35185629006	**Trip Blank #1**	EPA 8260	SK	48	PASI-O

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Sample: Equip Blank 042715 **Lab ID: 35185629001** Collected: 04/27/15 08:50 Received: 04/27/15 23:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.020	0.0050	1	04/29/15 11:00	04/30/15 01:04	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063 U**	ug/L	0.010	0.0063	1	04/29/15 11:00	04/30/15 01:04	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 17:34	7440-38-2	
Barium	**5.0 U**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 17:34	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	05/02/15 17:34	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	05/02/15 17:34	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 17:34	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 17:34	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 17:34	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	04/28/15 17:15	05/02/15 17:34	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 17:34	7439-92-1	
Manganese	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 17:34	7439-96-5	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 17:34	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	04/28/15 17:15	05/02/15 17:34	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 17:34	7440-22-4	
Sodium	**0.50 U**	mg/L	1.0	0.50	1	04/28/15 17:15	05/02/15 17:34	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 17:34	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	04/28/15 17:15	05/02/15 17:34	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	04/29/15 19:42	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	04/29/15 19:42	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	04/28/15 18:00	04/29/15 12:19	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		05/09/15 14:48	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 14:48	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		05/09/15 14:48	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		05/09/15 14:48	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 14:48	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 14:48	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		05/09/15 14:48	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		05/09/15 14:48	124-48-1	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Sample: Equip Blank 042715 **Lab ID: 35185629001** Collected: 04/27/15 08:50 Received: 04/27/15 23:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 14:48	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/09/15 14:48	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/09/15 14:48	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 14:48	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		05/09/15 14:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 14:48	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		05/09/15 14:48	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	127-18-4	
Toluene	**0.51 I**	ug/L	1.0	0.50	1		05/09/15 14:48	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		05/09/15 14:48	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		05/09/15 14:48	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 14:48	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		05/09/15 14:48	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-114		1		05/09/15 14:48	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	86-125		1		05/09/15 14:48	17060-07-0	
Toluene-d8 (S)	104	%	87-113		1		05/09/15 14:48	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**5.0 U**	mg/L	5.0	5.0	1		04/30/15 07:33		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		04/30/15 05:48	16887-00-6	
Sulfate	**2.5 U**	mg/L	5.0	2.5	1		04/30/15 05:48	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		04/29/15 11:44	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Sample: Equip Blank 042715 **Lab ID: 35185629001** Collected: 04/27/15 08:50 Received: 04/27/15 23:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		04/28/15 10:37		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Sample: MW-18R **Lab ID: 35185629002** Collected: 04/27/15 09:30 Received: 04/27/15 23:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.00**	Std. Units			1		04/27/15 09:30		
Field Temperature	**26.73**	deg C			1		04/27/15 09:30		
Field Specific Conductance	**622**	umhos/cm			1		04/27/15 09:30		
Oxygen, Dissolved	**0.24**	mg/L			1		04/27/15 09:30	7782-44-7	
Turbidity	**15.6**	NTU			1		04/27/15 09:30		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.021	0.0050	1	04/29/15 11:00	04/30/15 01:19	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	04/29/15 11:00	04/30/15 01:19	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**20.1**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 17:38	7440-38-2	
Barium	**35.0**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 17:38	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	05/02/15 17:38	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	05/02/15 17:38	7440-43-9	
Chromium	**6.3**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 17:38	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 17:38	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 17:38	7440-50-8	
Iron	**38900**	ug/L	40.0	20.0	1	04/28/15 17:15	05/02/15 17:38	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 17:38	7439-92-1	
Manganese	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 17:38	7439-96-5	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 17:38	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	04/28/15 17:15	05/02/15 17:38	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 17:38	7440-22-4	
Sodium	**18.2**	mg/L	1.0	0.50	1	04/28/15 17:15	05/02/15 17:38	7440-23-5	
Vanadium	**15.3**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 17:38	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	04/28/15 17:15	05/02/15 17:38	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	04/29/15 19:56	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	04/29/15 19:56	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	04/28/15 18:00	04/29/15 12:21	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		05/09/15 15:13	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 15:13	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		05/09/15 15:13	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		05/09/15 15:13	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 15:13	78-93-3	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Sample: MW-18R **Lab ID: 35185629002** Collected: 04/27/15 09:30 Received: 04/27/15 23:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 15:13	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		05/09/15 15:13	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		05/09/15 15:13	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 15:13	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/09/15 15:13	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/09/15 15:13	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 15:13	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		05/09/15 15:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 15:13	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		05/09/15 15:13	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	127-18-4	
Toluene	**0.63 I**	ug/L	1.0	0.50	1		05/09/15 15:13	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		05/09/15 15:13	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		05/09/15 15:13	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:13	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		05/09/15 15:13	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-114		1		05/09/15 15:13	460-00-4	
1,2-Dichloroethane-d4 (S)	117	%	86-125		1		05/09/15 15:13	17060-07-0	
Toluene-d8 (S)	109	%	87-113		1		05/09/15 15:13	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**404**	mg/L	5.0	5.0	1		04/30/15 07:33		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Sample: MW-18R **Lab ID: 35185629002** Collected: 04/27/15 09:30 Received: 04/27/15 23:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**14.1**	mg/L	5.0	2.5	1		04/30/15 06:07	16887-00-6	
Sulfate	**2.5 U**	mg/L	5.0	2.5	1		04/30/15 06:07	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**26.4**	mg/L	0.25	0.10	5		04/29/15 11:57	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.030 I**	mg/L	0.050	0.025	1		04/28/15 10:38		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Sample: MW-19A **Lab ID: 35185629003** Collected: 04/27/15 10:43 Received: 04/27/15 23:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.70**	Std. Units			1		04/27/15 10:43		
Field Temperature	**26.02**	deg C			1		04/27/15 10:43		
Field Specific Conductance	**825**	umhos/cm			1		04/27/15 10:43		
Oxygen, Dissolved	**0.20**	mg/L			1		04/27/15 10:43	7782-44-7	
Turbidity	**5.25**	NTU			1		04/27/15 10:43		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.020	0.0050	1	04/29/15 11:00	04/30/15 01:34	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063 U**	ug/L	0.010	0.0063	1	04/29/15 11:00	04/30/15 01:34	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**25.0**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 17:55	7440-38-2	
Barium	**26.4**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 17:55	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	05/02/15 17:55	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	05/02/15 17:55	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 17:55	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 17:55	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 17:55	7440-50-8	
Iron	**27800**	ug/L	40.0	20.0	1	04/28/15 17:15	05/02/15 17:55	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 17:55	7439-92-1	
Manganese	**22.8**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 17:55	7439-96-5	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 17:55	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	04/28/15 17:15	05/02/15 17:55	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 17:55	7440-22-4	
Sodium	**6.3**	mg/L	1.0	0.50	1	04/28/15 17:15	05/02/15 17:55	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 17:55	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	04/28/15 17:15	05/02/15 17:55	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	04/29/15 19:59	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	04/29/15 19:59	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	04/28/15 18:00	04/29/15 12:23	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		05/09/15 15:38	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 15:38	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		05/09/15 15:38	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		05/09/15 15:38	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 15:38	78-93-3	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Sample: MW-19A **Lab ID: 35185629003** Collected: 04/27/15 10:43 Received: 04/27/15 23:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 15:38	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		05/09/15 15:38	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		05/09/15 15:38	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 15:38	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/09/15 15:38	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/09/15 15:38	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 15:38	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		05/09/15 15:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 15:38	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		05/09/15 15:38	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	127-18-4	
Toluene	**0.77 I**	ug/L	1.0	0.50	1		05/09/15 15:38	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		05/09/15 15:38	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		05/09/15 15:38	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 15:38	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		05/09/15 15:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-114		1		05/09/15 15:38	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	86-125		1		05/09/15 15:38	17060-07-0	
Toluene-d8 (S)	104	%	87-113		1		05/09/15 15:38	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**482**	mg/L	5.0	5.0	1		04/30/15 07:34		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Sample: MW-19A **Lab ID: 35185629003** Collected: 04/27/15 10:43 Received: 04/27/15 23:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**7.2**	mg/L	5.0	2.5	1		04/30/15 06:27	16887-00-6	
Sulfate	**2.5 U**	mg/L	5.0	2.5	1		04/30/15 06:27	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**3.2**	mg/L	0.050	0.020	1		04/29/15 11:52	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.028 I**	mg/L	0.050	0.025	1		04/28/15 10:39		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Sample: MW-20A **Lab ID: 35185629004** Collected: 04/27/15 11:49 Received: 04/27/15 23:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.55**	Std. Units			1		04/27/15 11:49		
Field Temperature	**26.50**	deg C			1		04/27/15 11:49		
Field Specific Conductance	**868**	umhos/cm			1		04/27/15 11:49		
Oxygen, Dissolved	**0.17**	mg/L			1		04/27/15 11:49	7782-44-7	
Turbidity	**0.73**	NTU			1		04/27/15 11:49		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	04/29/15 11:00	04/30/15 01:49	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065 U**	ug/L	0.010	0.0065	1	04/29/15 11:00	04/30/15 01:49	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**19.4**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 18:00	7440-38-2	
Barium	**50.2**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 18:00	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	05/02/15 18:00	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	05/02/15 18:00	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 18:00	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 18:00	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 18:00	7440-50-8	
Iron	**16300**	ug/L	40.0	20.0	1	04/28/15 17:15	05/02/15 18:00	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 18:00	7439-92-1	
Manganese	**20.2**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 18:00	7439-96-5	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 18:00	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	04/28/15 17:15	05/02/15 18:00	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 18:00	7440-22-4	
Sodium	**9.7**	mg/L	1.0	0.50	1	04/28/15 17:15	05/02/15 18:00	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 18:00	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	04/28/15 17:15	05/02/15 18:00	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	04/29/15 20:03	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	04/29/15 20:03	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	04/28/15 18:00	04/29/15 12:25	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		05/09/15 16:28	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 16:28	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		05/09/15 16:28	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		05/09/15 16:28	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 16:28	78-93-3	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Sample: MW-20A **Lab ID: 35185629004** Collected: 04/27/15 11:49 Received: 04/27/15 23:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 16:28	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		05/09/15 16:28	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		05/09/15 16:28	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 16:28	110-57-6	J(M1)
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	156-60-5	J(M1)
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/09/15 16:28	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/09/15 16:28	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 16:28	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	74-88-4	J(M1)
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		05/09/15 16:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		05/09/15 16:28	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		05/09/15 16:28	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	75-69-4	J(M1)
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		05/09/15 16:28	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		05/09/15 16:28	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		05/09/15 16:28	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		05/09/15 16:28	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-114		1		05/09/15 16:28	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	86-125		1		05/09/15 16:28	17060-07-0	
Toluene-d8 (S)	106	%	87-113		1		05/09/15 16:28	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**514**	mg/L	5.0	5.0	1		04/30/15 07:34		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Sample: MW-20A **Lab ID: 35185629004** Collected: 04/27/15 11:49 Received: 04/27/15 23:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**9.3**	mg/L	5.0	2.5	1		04/30/15 06:46	16887-00-6	
Sulfate	**2.5 U**	mg/L	5.0	2.5	1		04/30/15 06:46	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**2.7**	mg/L	0.050	0.020	1		04/29/15 11:54	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		04/28/15 10:41		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Sample: MW-1R **Lab ID: 35185629005** Collected: 04/27/15 13:11 Received: 04/27/15 23:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.39**	Std. Units			1		04/27/15 13:11		
Field Temperature	**24.48**	deg C			1		04/27/15 13:11		
Field Specific Conductance	**587**	umhos/cm			1		04/27/15 13:11		
Oxygen, Dissolved	**0.35**	mg/L			1		04/27/15 13:11	7782-44-7	
Turbidity	**2.59**	NTU			1		04/27/15 13:11		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	04/29/15 11:00	04/30/15 02:04	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065 U**	ug/L	0.010	0.0065	1	04/29/15 11:00	04/30/15 02:04	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 18:04	7440-38-2	
Barium	**30.4**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 18:04	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	05/02/15 18:04	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	05/02/15 18:04	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 18:04	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 18:04	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 18:04	7440-50-8	
Iron	**2950**	ug/L	40.0	20.0	1	04/28/15 17:15	05/02/15 18:04	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 18:04	7439-92-1	
Manganese	**7.0**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 18:04	7439-96-5	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 18:04	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	04/28/15 17:15	05/02/15 18:04	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	04/28/15 17:15	05/02/15 18:04	7440-22-4	
Sodium	**34.1**	mg/L	1.0	0.50	1	04/28/15 17:15	05/02/15 18:04	7440-23-5	
Vanadium	**5.7 I**	ug/L	10.0	5.0	1	04/28/15 17:15	05/02/15 18:04	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	04/28/15 17:15	05/02/15 18:04	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	04/29/15 20:06	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	04/28/15 17:15	04/29/15 20:06	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	04/28/15 18:00	04/29/15 12:34	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		05/11/15 15:58	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/11/15 15:58	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		05/11/15 15:58	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		05/11/15 15:58	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		05/11/15 15:58	78-93-3	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Sample: MW-1R **Lab ID: 35185629005** Collected: 04/27/15 13:11 Received: 04/27/15 23:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		05/11/15 15:58	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		05/11/15 15:58	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		05/11/15 15:58	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		05/11/15 15:58	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/11/15 15:58	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/11/15 15:58	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		05/11/15 15:58	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		05/11/15 15:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		05/11/15 15:58	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		05/11/15 15:58	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	127-18-4	
Toluene	**0.98 I**	ug/L	1.0	0.50	1		05/11/15 15:58	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		05/11/15 15:58	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		05/11/15 15:58	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 15:58	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		05/11/15 15:58	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-114		1		05/11/15 15:58	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	86-125		1		05/11/15 15:58	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		05/11/15 15:58	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**395**	mg/L	5.0	5.0	1		04/30/15 07:34		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Sample: MW-1R **Lab ID: 35185629005** Collected: 04/27/15 13:11 Received: 04/27/15 23:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**39.0**	mg/L	5.0	2.5	1		04/30/15 07:05	16887-00-6	
Sulfate	**2.5 U**	mg/L	5.0	2.5	1		04/30/15 07:05	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.25**	mg/L	0.050	0.020	1		04/29/15 11:56	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		04/28/15 10:42		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Sample: Trip Blank #1 **Lab ID: 35185629006** Collected: 04/27/15 08:00 Received: 04/27/15 23:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		05/11/15 16:23	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/11/15 16:23	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		05/11/15 16:23	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		05/11/15 16:23	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		05/11/15 16:23	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		05/11/15 16:23	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		05/11/15 16:23	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		05/11/15 16:23	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		05/11/15 16:23	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/11/15 16:23	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/11/15 16:23	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		05/11/15 16:23	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		05/11/15 16:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		05/11/15 16:23	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		05/11/15 16:23	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	127-18-4	
Toluene	**1.5**	ug/L	1.0	0.50	1		05/11/15 16:23	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		05/11/15 16:23	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		05/11/15 16:23	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		05/11/15 16:23	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		05/11/15 16:23	1330-20-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Sample: Trip Blank #1 **Lab ID: 35185629006** Collected: 04/27/15 08:00 Received: 04/27/15 23:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-114		1		05/11/15 16:23	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	86-125		1		05/11/15 16:23	17060-07-0	
Toluene-d8 (S)	103	%	87-113		1		05/11/15 16:23	2037-26-5	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185629

QC Batch: MERP/5652 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004, 35185629005

METHOD BLANK: 1197505 Matrix: Water
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004, 35185629005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	04/29/15 11:27	

LABORATORY CONTROL SAMPLE: 1197506

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.2	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1197507 1197508

Parameter	Units	35185425001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	21.8 mg/L	80	80	23100	22400	1600	700	75-125	3	20	D4,M6

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REVIEWED
By Cesar Rodriguez at 3:41 pm, Jun 10, 2015

QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185629

QC Batch: MPRP/23841 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004, 35185629005

METHOD BLANK: 1197350 Matrix: Water
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004, 35185629005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	05/02/15 15:38	
Barium	ug/L	5.0 U	10.0	05/02/15 15:38	
Beryllium	ug/L	0.50 U	1.0	05/02/15 15:38	
Cadmium	ug/L	0.50 U	1.0	05/02/15 15:38	
Chromium	ug/L	2.5 U	5.0	05/02/15 15:38	
Cobalt	ug/L	5.0 U	10.0	05/02/15 15:38	
Copper	ug/L	2.5 U	5.0	05/02/15 15:38	
Iron	ug/L	20.0 U	40.0	05/02/15 15:38	
Lead	ug/L	5.0 U	10.0	05/02/15 15:38	
Manganese	ug/L	2.5 U	5.0	05/02/15 15:38	
Nickel	ug/L	2.5 U	5.0	05/02/15 15:38	
Selenium	ug/L	7.5 U	15.0	05/02/15 15:38	
Silver	ug/L	2.5 U	5.0	05/02/15 15:38	
Sodium	mg/L	0.50 U	1.0	05/02/15 15:38	
Vanadium	ug/L	5.0 U	10.0	05/02/15 15:38	
Zinc	ug/L	10.0 U	20.0	05/02/15 15:38	

LABORATORY CONTROL SAMPLE: 1197351

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	233	93	80-120	
Barium	ug/L	250	241	96	80-120	
Beryllium	ug/L	25	24.6	99	80-120	
Cadmium	ug/L	25	24.8	99	80-120	
Chromium	ug/L	250	242	97	80-120	
Cobalt	ug/L	250	247	99	80-120	
Copper	ug/L	250	238	95	80-120	
Iron	ug/L	2500	2420	97	80-120	
Lead	ug/L	250	252	101	80-120	
Manganese	ug/L	250	246	98	80-120	
Nickel	ug/L	250	247	99	80-120	
Selenium	ug/L	250	248	99	80-120	
Silver	ug/L	25	24.4	97	80-120	
Sodium	mg/L	12.5	12.4	99	80-120	
Vanadium	ug/L	250	243	97	80-120	
Zinc	ug/L	1250	1230	98	80-120	

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QUALITY CONTROL DA

REVIEWED
By Cesar Rodriguez at 3:41 pm, Jun 10, 2015

Project: Sarasota Central Landfill
Pace Project No.: 35185629

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1197352 1197353

Parameter	Units	35185594001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	9.3 I	250	250	239	236	92	91	75-125	1	20	
Barium	ug/L	68.3	250	250	301	296	93	91	75-125	2	20	
Beryllium	ug/L	0.50 U	25	25	23.9	23.5	96	94	75-125	2	20	
Cadmium	ug/L	0.50 U	25	25	23.4	23.2	94	93	75-125	1	20	
Chromium	ug/L	5.9	250	250	235	232	92	91	75-125	1	20	
Cobalt	ug/L	5.0 U	250	250	237	234	95	93	75-125	1	20	
Copper	ug/L	2.5 U	250	250	235	232	94	93	75-125	1	20	
Iron	ug/L	3740	2500	2500	6090	5980	94	90	75-125	2	20	
Lead	ug/L	5.0 U	250	250	236	236	94	94	75-125	0	20	
Manganese	ug/L	166	250	250	404	398	95	93	75-125	2	20	
Nickel	ug/L	3.1 I	250	250	237	234	94	92	75-125	1	20	
Selenium	ug/L	7.5 U	250	250	242	239	94	93	75-125	1	20	
Silver	ug/L	2.5 U	25	25	23.3	23.1	93	92	75-125	1	20	
Sodium	mg/L	36400 ug/L	12.5	12.5	48.3	47.4	95	88	75-125	2	20	
Vanadium	ug/L	5.0 U	250	250	239	236	94	94	75-125	1	20	
Zinc	ug/L	10.0 U	1250	1250	1190	1180	95	94	75-125	1	20	

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REVIEWED
By Cesar Rodriguez at 3:42 pm, Jun 10, 2015

QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185629

QC Batch: MPRP/23842 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004, 35185629005

METHOD BLANK: 1197354 Matrix: Water
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004, 35185629005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	04/29/15 19:18	
Thallium	ug/L	0.50 U	1.0	04/29/15 19:18	

LABORATORY CONTROL SAMPLE: 1197355

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.6	99	80-120	
Thallium	ug/L	50	49.3	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1197356 1197357

Parameter	Units	92246735027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L				50.1	49.2				2	20	
Thallium	ug/L				50.4	49.5				2	20	

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QUALITY CONTROL DATA

REVIEWED
By Cesar Rodriguez at 3:42 pm, Jun 10, 2015

Project: Sarasota Central Landfill
Pace Project No.: 35185629

QC Batch: MSV/14811 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004

METHOD BLANK: 1208185 Matrix: Water
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	05/09/15 13:36	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	05/09/15 13:36	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	05/09/15 13:36	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	05/09/15 13:36	
1,1-Dichloroethane	ug/L	0.50 U	1.0	05/09/15 13:36	
1,1-Dichloroethene	ug/L	0.50 U	1.0	05/09/15 13:36	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	05/09/15 13:36	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	05/09/15 13:36	
1,2-Dichloroethane	ug/L	0.50 U	1.0	05/09/15 13:36	
1,2-Dichloropropane	ug/L	0.50 U	1.0	05/09/15 13:36	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	05/09/15 13:36	
2-Butanone (MEK)	ug/L	5.0 U	10.0	05/09/15 13:36	
2-Hexanone	ug/L	5.0 U	10.0	05/09/15 13:36	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	05/09/15 13:36	
Acetone	ug/L	10.0 U	20.0	05/09/15 13:36	
Acrylonitrile	ug/L	5.0 U	10.0	05/09/15 13:36	
Benzene	ug/L	0.10 U	1.0	05/09/15 13:36	
Bromochloromethane	ug/L	0.50 U	1.0	05/09/15 13:36	
Bromodichloromethane	ug/L	0.27 U	0.60	05/09/15 13:36	
Bromoform	ug/L	0.50 U	1.0	05/09/15 13:36	
Bromomethane	ug/L	0.50 U	1.0	05/09/15 13:36	
Carbon disulfide	ug/L	5.0 U	10.0	05/09/15 13:36	
Carbon tetrachloride	ug/L	0.50 U	1.0	05/09/15 13:36	
Chlorobenzene	ug/L	0.50 U	1.0	05/09/15 13:36	
Chloroethane	ug/L	0.50 U	1.0	05/09/15 13:36	
Chloroform	ug/L	0.50 U	1.0	05/09/15 13:36	
Chloromethane	ug/L	0.62 U	1.0	05/09/15 13:36	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	05/09/15 13:36	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	05/09/15 13:36	
Dibromochloromethane	ug/L	0.26 U	0.50	05/09/15 13:36	
Dibromomethane	ug/L	0.50 U	1.0	05/09/15 13:36	
Ethylbenzene	ug/L	0.50 U	1.0	05/09/15 13:36	
Iodomethane	ug/L	0.50 U	1.0	05/09/15 13:36	
Methylene Chloride	ug/L	2.5 U	5.0	05/09/15 13:36	
Styrene	ug/L	0.50 U	1.0	05/09/15 13:36	
Tetrachloroethene	ug/L	0.50 U	1.0	05/09/15 13:36	
Toluene	ug/L	0.50 U	1.0	05/09/15 13:36	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	05/09/15 13:36	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	05/09/15 13:36	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	05/09/15 13:36	
Trichloroethene	ug/L	0.50 U	1.0	05/09/15 13:36	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185629

REVIEWED
By Cesar Rodriguez at 3:42 pm, Jun 10, 2015

METHOD BLANK: 1208185 Matrix: Water
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	05/09/15 13:36	
Vinyl acetate	ug/L	1.0 U	2.0	05/09/15 13:36	
Vinyl chloride	ug/L	0.50 U	1.0	05/09/15 13:36	
Xylene (Total)	ug/L	0.50 U	3.0	05/09/15 13:36	
1,2-Dichloroethane-d4 (S)	%	108	86-125	05/09/15 13:36	
4-Bromofluorobenzene (S)	%	98	70-114	05/09/15 13:36	
Toluene-d8 (S)	%	106	87-113	05/09/15 13:36	

LABORATORY CONTROL SAMPLE: 1208186

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.8	94	70-130	
1,1,1-Trichloroethane	ug/L	20	21.6	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	16.7	83	70-130	
1,1,2-Trichloroethane	ug/L	20	18.2	91	70-130	
1,1-Dichloroethane	ug/L	20	23.0	115	70-130	
1,1-Dichloroethene	ug/L	20	23.5	117	70-130	
1,2,3-Trichloropropane	ug/L	20	17.9	90	70-130	
1,2-Dichlorobenzene	ug/L	20	18.0	90	70-130	
1,2-Dichloroethane	ug/L	20	21.0	105	70-130	
1,2-Dichloropropane	ug/L	20	20.1	101	70-130	
1,4-Dichlorobenzene	ug/L	20	17.5	87	70-130	
2-Butanone (MEK)	ug/L	40	40.0	100	55-167	
2-Hexanone	ug/L	40	38.9	97	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	39.0	98	70-130	
Acetone	ug/L	40	39.7	99	40-150	
Acrylonitrile	ug/L	200	195	97	70-130	
Benzene	ug/L	20	20.9	104	70-130	
Bromochloromethane	ug/L	20	20.8	104	70-130	
Bromodichloromethane	ug/L	20	19.7	99	70-130	
Bromoform	ug/L	20	17.2	86	68-130	
Bromomethane	ug/L	20	23.7	118	38-179	
Carbon disulfide	ug/L	20	17.7	89	51-155	
Carbon tetrachloride	ug/L	20	22.5	113	70-130	
Chlorobenzene	ug/L	20	18.5	93	70-130	
Chloroethane	ug/L	20	21.5	108	59-149	
Chloroform	ug/L	20	21.2	106	70-130	
Chloromethane	ug/L	20	19.0	95	68-130	
cis-1,2-Dichloroethene	ug/L	20	21.0	105	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.4	97	70-130	
Dibromochloromethane	ug/L	20	17.3	87	70-130	
Dibromomethane	ug/L	20	21.0	105	70-130	
Ethylbenzene	ug/L	20	19.1	95	70-130	
Iodomethane	ug/L	40	41.1	103	43-160	

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QUALITY CONTROL DATA

REVIEWED
By Cesar Rodriguez at 3:42 pm, Jun 10, 2015

Project: Sarasota Central Landfill
Pace Project No.: 35185629

LABORATORY CONTROL SAMPLE: 1208186

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	26.1	130	70-130	
Styrene	ug/L	20	17.6	88	70-130	
Tetrachloroethene	ug/L	20	19.0	95	66-133	
Toluene	ug/L	20	18.8	94	70-130	
trans-1,2-Dichloroethene	ug/L	20	23.6	118	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.1	96	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	19.3	96	65-130	
Trichloroethene	ug/L	20	21.5	107	70-130	
Trichlorofluoromethane	ug/L	20	25.6	128	70-131	
Vinyl acetate	ug/L	20	19.4	97	69-135	
Vinyl chloride	ug/L	20	20.3	102	69-140	
Xylene (Total)	ug/L	60	56.5	94	70-130	
1,2-Dichloroethane-d4 (S)	%			98	86-125	
4-Bromofluorobenzene (S)	%			101	70-114	
Toluene-d8 (S)	%			107	87-113	

MATRIX SPIKE SAMPLE: 1209696

Parameter	Units	35185629004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	18.3	92	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	24.4	122	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	14.5	72	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	18.2	91	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	24.2	121	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	25.6	128	70-130	
1,2,3-Trichloropropane	ug/L	0.59 U	20	16.1	80	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	17.9	89	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	20.7	104	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	19.8	99	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	16.6	83	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	37.9	95	70-130	
2-Hexanone	ug/L	5.0 U	40	38.5	96	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	37.3	93	70-130	
Acetone	ug/L	10.0 U	40	33.2	83	70-130	
Acrylonitrile	ug/L	5.0 U	200	220	110	70-130	
Benzene	ug/L	0.10 U	20	20.6	103	70-130	
Bromochloromethane	ug/L	0.50 U	20	21.7	109	70-130	
Bromodichloromethane	ug/L	0.27 U	20	20.2	101	70-130	
Bromoform	ug/L	0.50 U	20	18.3	91	70-130	
Bromomethane	ug/L	0.50 U	20	21.1	105	70-130	
Carbon disulfide	ug/L	5.0 U	20	20.0	97	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	24.8	124	70-130	
Chlorobenzene	ug/L	0.50 U	20	18.6	93	70-130	
Chloroethane	ug/L	0.50 U	20	22.3	111	70-130	
Chloroform	ug/L	0.50 U	20	21.9	110	70-130	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185629

MATRIX SPIKE SAMPLE: 1209696

Parameter	Units	35185629004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	20.5	103	70-130	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	21.4	107	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	18.2	91	70-130	
Dibromochloromethane	ug/L	0.26 U	20	18.4	92	70-130	
Dibromomethane	ug/L	0.50 U	20	21.1	105	70-130	
Ethylbenzene	ug/L	0.50 U	20	18.4	92	70-130	
Iodomethane	ug/L	0.50 U	40	54.2	135	70-130	J(M1)
Methylene Chloride	ug/L	2.5 U	20	23.7	118	70-130	
Styrene	ug/L	0.50 U	20	16.5	83	70-130	
Tetrachloroethene	ug/L	0.50 U	20	19.5	98	70-130	
Toluene	ug/L	0.50 U	20	19.1	93	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	28.6	143	70-130	J(M1)
trans-1,3-Dichloropropene	ug/L	0.25 U	20	18.1	90	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	11.2	56	70-130	J(M1)
Trichloroethene	ug/L	0.50 U	20	23.2	116	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	30.0	150	70-130	J(M1)
Vinyl acetate	ug/L	1.0 U	20	14.5	72	70-130	
Vinyl chloride	ug/L	0.50 U	20	21.7	109	70-130	
Xylene (Total)	ug/L	0.50 U	60	56.3	94	70-130	
1,2-Dichloroethane-d4 (S)	%				93	86-125	
4-Bromofluorobenzene (S)	%				106	70-114	
Toluene-d8 (S)	%				107	87-113	

SAMPLE DUPLICATE: 1209695

Parameter	Units	35185629003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	

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REVIEWED
By Cesar Rodriguez at 3:44 pm, Jun 10, 2015

QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185629

SAMPLE DUPLICATE: 1209695

Parameter	Units	35185629003 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.77 I	1.0		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	110	115	5	40	
4-Bromofluorobenzene (S)	%	96	95	1	40	
Toluene-d8 (S)	%	104	106	1	40	

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QUALITY CONTROL DAT

REVIEWED
By Cesar Rodriguez at 3:44 pm, Jun 10, 2015

Project: Sarasota Central Landfill
Pace Project No.: 35185629

QC Batch: MSV/14830 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 35185629005, 35185629006

METHOD BLANK: 1209722 | Matrix: Water
Associated Lab Samples: 35185629005, 35185629006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	05/11/15 11:29	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	05/11/15 11:29	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	05/11/15 11:29	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	05/11/15 11:29	
1,1-Dichloroethane	ug/L	0.50 U	1.0	05/11/15 11:29	
1,1-Dichloroethene	ug/L	0.50 U	1.0	05/11/15 11:29	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	05/11/15 11:29	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	05/11/15 11:29	
1,2-Dichloroethane	ug/L	0.50 U	1.0	05/11/15 11:29	
1,2-Dichloropropane	ug/L	0.50 U	1.0	05/11/15 11:29	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	05/11/15 11:29	
2-Butanone (MEK)	ug/L	5.0 U	10.0	05/11/15 11:29	
2-Hexanone	ug/L	5.0 U	10.0	05/11/15 11:29	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	05/11/15 11:29	
Acetone	ug/L	10.0 U	20.0	05/11/15 11:29	
Acrylonitrile	ug/L	5.0 U	10.0	05/11/15 11:29	
Benzene	ug/L	0.10 U	1.0	05/11/15 11:29	
Bromochloromethane	ug/L	0.50 U	1.0	05/11/15 11:29	
Bromodichloromethane	ug/L	0.27 U	0.60	05/11/15 11:29	
Bromoform	ug/L	0.50 U	1.0	05/11/15 11:29	
Bromomethane	ug/L	0.50 U	1.0	05/11/15 11:29	
Carbon disulfide	ug/L	5.0 U	10.0	05/11/15 11:29	
Carbon tetrachloride	ug/L	0.50 U	1.0	05/11/15 11:29	
Chlorobenzene	ug/L	0.50 U	1.0	05/11/15 11:29	
Chloroethane	ug/L	0.50 U	1.0	05/11/15 11:29	
Chloroform	ug/L	0.50 U	1.0	05/11/15 11:29	
Chloromethane	ug/L	0.62 U	1.0	05/11/15 11:29	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	05/11/15 11:29	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	05/11/15 11:29	
Dibromochloromethane	ug/L	0.26 U	0.50	05/11/15 11:29	
Dibromomethane	ug/L	0.50 U	1.0	05/11/15 11:29	
Ethylbenzene	ug/L	0.50 U	1.0	05/11/15 11:29	
Iodomethane	ug/L	0.50 U	1.0	05/11/15 11:29	
Methylene Chloride	ug/L	2.5 U	5.0	05/11/15 11:29	
Styrene	ug/L	0.50 U	1.0	05/11/15 11:29	
Tetrachloroethene	ug/L	0.50 U	1.0	05/11/15 11:29	
Toluene	ug/L	0.50 U	1.0	05/11/15 11:29	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	05/11/15 11:29	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	05/11/15 11:29	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	05/11/15 11:29	
Trichloroethene	ug/L	0.50 U	1.0	05/11/15 11:29	

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REVIEWED
By Cesar Rodriguez at 3:44 pm, Jun 10, 2015

QUALITY CONTROL D

Project: Sarasota Central Landfill
Pace Project No.: 35185629

METHOD BLANK: 1209722 Matrix: Water
Associated Lab Samples: 35185629005, 35185629006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	05/11/15 11:29	
Vinyl acetate	ug/L	1.0 U	2.0	05/11/15 11:29	
Vinyl chloride	ug/L	0.50 U	1.0	05/11/15 11:29	
Xylene (Total)	ug/L	0.50 U	3.0	05/11/15 11:29	
1,2-Dichloroethane-d4 (S)	%	105	86-125	05/11/15 11:29	
4-Bromofluorobenzene (S)	%	98	70-114	05/11/15 11:29	
Toluene-d8 (S)	%	101	87-113	05/11/15 11:29	

LABORATORY CONTROL SAMPLE: 1209723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.6	98	70-130	
1,1,1-Trichloroethane	ug/L	20	21.1	105	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.7	104	70-130	
1,1,2-Trichloroethane	ug/L	20	20.1	101	70-130	
1,1-Dichloroethane	ug/L	20	19.6	98	70-130	
1,1-Dichloroethene	ug/L	20	20.0	100	70-130	
1,2,3-Trichloropropane	ug/L	20	22.2	111	70-130	
1,2-Dichlorobenzene	ug/L	20	20.9	105	70-130	
1,2-Dichloroethane	ug/L	20	20.4	102	70-130	
1,2-Dichloropropane	ug/L	20	19.9	100	70-130	
1,4-Dichlorobenzene	ug/L	20	20.1	101	70-130	
2-Butanone (MEK)	ug/L	40	42.3	106	55-167	
2-Hexanone	ug/L	40	41.4	104	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	43.1	108	70-130	
Acetone	ug/L	40	44.9	112	40-150	
Acrylonitrile	ug/L	200	215	108	70-130	
Benzene	ug/L	20	20.6	103	70-130	
Bromochloromethane	ug/L	20	19.9	99	70-130	
Bromodichloromethane	ug/L	20	19.9	100	70-130	
Bromoform	ug/L	20	20.2	101	68-130	
Bromomethane	ug/L	20	18.2	91	38-179	
Carbon disulfide	ug/L	20	21.0	105	51-155	
Carbon tetrachloride	ug/L	20	20.9	104	70-130	
Chlorobenzene	ug/L	20	19.6	98	70-130	
Chloroethane	ug/L	20	19.2	96	59-149	
Chloroform	ug/L	20	20.1	101	70-130	
Chloromethane	ug/L	20	19.6	98	68-130	
cis-1,2-Dichloroethene	ug/L	20	20.5	102	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.8	99	70-130	
Dibromochloromethane	ug/L	20	19.9	99	70-130	
Dibromomethane	ug/L	20	20.4	102	70-130	
Ethylbenzene	ug/L	20	20.8	104	70-130	
Iodomethane	ug/L	40	40.6	101	43-160	

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REVIEWED
By Cesar Rodriguez at 3:44 pm, Jun 10, 2015

QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185629

LABORATORY CONTROL SAMPLE: 1209723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	19.9	99	70-130	
Styrene	ug/L	20	19.7	98	70-130	
Tetrachloroethene	ug/L	20	20.3	102	66-133	
Toluene	ug/L	20	20.1	100	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.9	100	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.6	103	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	20.5	102	65-130	
Trichloroethene	ug/L	20	20.0	100	70-130	
Trichlorofluoromethane	ug/L	20	23.1	115	70-131	
Vinyl acetate	ug/L	20	20.9	104	69-135	
Vinyl chloride	ug/L	20	22.2	111	69-140	
Xylene (Total)	ug/L	60	62.6	104	70-130	
1,2-Dichloroethane-d4 (S)	%			91	86-125	
4-Bromofluorobenzene (S)	%			102	70-114	
Toluene-d8 (S)	%			102	87-113	

MATRIX SPIKE SAMPLE: 1209725

Parameter	Units	35186346011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	20.5	102	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	23.7	118	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	20.0	100	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	20.5	103	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	22.4	112	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	22.0	110	70-130	
1,2,3-Trichloropropane	ug/L	0.59 U	20	21.0	105	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	19.7	98	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	21.4	107	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	20.3	102	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	19.5	97	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	39.6	99	70-130	
2-Hexanone	ug/L	5.0 U	40	39.8	100	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	41.4	103	70-130	
Acetone	ug/L	10.0 U	40	38.8	97	70-130	
Acrylonitrile	ug/L	5.0 U	200	194	97	70-130	
Benzene	ug/L	0.10 U	20	21.4	107	70-130	
Bromochloromethane	ug/L	0.50 U	20	21.5	108	70-130	
Bromodichloromethane	ug/L	0.27 U	20	21.6	108	70-130	
Bromoform	ug/L	0.50 U	20	19.4	97	70-130	
Bromomethane	ug/L	0.50 U	20	15.7	79	70-130	
Carbon disulfide	ug/L	5.0 U	20	24.0	117	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	24.8	124	70-130	
Chlorobenzene	ug/L	0.50 U	20	21.1	106	70-130	
Chloroethane	ug/L	0.50 U	20	22.4	112	70-130	
Chloroform	ug/L	0.50 U	20	22.4	112	70-130	

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By Cesar Rodriguez at 3:44 pm, Jun 10, 2015

QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185629

MATRIX SPIKE SAMPLE: 1209725

Parameter	Units	35186346011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	19.5	97	70-130	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	22.6	113	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	18.6	93	70-130	
Dibromochloromethane	ug/L	0.26 U	20	20.2	101	70-130	
Dibromomethane	ug/L	0.50 U	20	22.0	110	70-130	
Ethylbenzene	ug/L	0.50 U	20	21.4	107	70-130	
Iodomethane	ug/L	0.50 U	40	41.0	102	70-130	
Methylene Chloride	ug/L	2.5 U	20	22.0	110	70-130	
Styrene	ug/L	0.50 U	20	20.5	102	70-130	
Tetrachloroethene	ug/L	0.50 U	20	21.4	107	70-130	
Toluene	ug/L	0.50 U	20	21.0	105	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	21.4	107	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	20.2	101	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	16.4	82	70-130	
Trichloroethene	ug/L	0.50 U	20	21.7	108	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	24.9	124	70-130	
Vinyl acetate	ug/L	1.0 U	20	18.3	92	70-130	
Vinyl chloride	ug/L	0.50 U	20	21.9	110	70-130	
Xylene (Total)	ug/L	0.50 U	60	64.0	107	70-130	
1,2-Dichloroethane-d4 (S)	%				94	86-125	
4-Bromofluorobenzene (S)	%				101	70-114	
Toluene-d8 (S)	%				100	87-113	

SAMPLE DUPLICATE: 1209724

Parameter	Units	35186346010 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	

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By Cesar Rodriguez at 3:44 pm, Jun 10, 2015

QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185629

SAMPLE DUPLICATE: 1209724

Parameter	Units	35186346010 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	104	105	1	40	
4-Bromofluorobenzene (S)	%	96	96	0	40	
Toluene-d8 (S)	%	99	100	1	40	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185629

QC Batch: OEXT/22084 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004, 35185629005

METHOD BLANK: 1197920 Matrix: Water
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004, 35185629005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	04/29/15 21:19	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	04/29/15 21:19	

LABORATORY CONTROL SAMPLE: 1197921

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.21	85	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.20	80	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1197922 1197923

Parameter	Units	35185747002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0051 U	.44	.44	0.41	0.39	95	89	60-140	6	40	
1,2-Dibromoethane (EDB)	ug/L	0.0064 U	.44	.44	0.38	0.37	87	84	60-140	3	40	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185629

QC Batch: WET/30543 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004, 35185629005

METHOD BLANK: 1199029 Matrix: Water
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004, 35185629005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	04/30/15 07:32	

LABORATORY CONTROL SAMPLE: 1199030

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	293	98	90-110	

SAMPLE DUPLICATE: 1199152

Parameter	Units	35185630002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	674	712	5	5	

SAMPLE DUPLICATE: 1199153

Parameter	Units	35185630003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2330	2380	2	5	

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REVIEWED
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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185629

QC Batch: WETA/45897 — Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 — Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004, 35185629005

METHOD BLANK: 1197957 — Matrix: Water
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004, 35185629005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	04/29/15 23:40	
Sulfate	mg/L	2.5 U	5.0	04/29/15 23:40	

LABORATORY CONTROL SAMPLE: 1197958

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.9	102	90-110	
Sulfate	mg/L	50	49.7	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1197959 — 1197960

Parameter	Units	35185477023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	72.1	50	50	122	122	101	100	90-110	0	20	
Sulfate	mg/L	19.8	50	50	72.3	72.2	105	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1197961 — 1197962

Parameter	Units	35185597001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	37.5	50	50	88.7	87.7	102	100	90-110	1	20	
Sulfate	mg/L	3.9 I	50	50	54.7	53.7	102	100	90-110	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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Ormond Beach, FL 32174
(386)672-5668

REVIEWED
By Cesar Rodriguez at 3:45 pm, Jun 10, 2015

QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185629

QC Batch: WETA/45900 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004, 35185629005

METHOD BLANK: 1198025 Matrix: Water
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004, 35185629005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	04/29/15 11:41	

LABORATORY CONTROL SAMPLE: 1198026

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	105	90-110	

MATRIX SPIKE SAMPLE: 1198028

Parameter	Units	35185629001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	1	1.0	105	90-110	

SAMPLE DUPLICATE: 1198027

Parameter	Units	35185629001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.020 U		20	

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REVIEWED
By Cesar Rodriguez at 3:45 pm, Jun 10, 2015

QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185629

QC Batch: WETA/45854 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004, 35185629005

METHOD BLANK: 1196468 Matrix: Water
Associated Lab Samples: 35185629001, 35185629002, 35185629003, 35185629004, 35185629005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	04/28/15 10:24	

SAMPLE DUPLICATE: 1196470

Parameter	Units	35185617002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	2.9	2.9	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: Sarasota Central Landfill
Pace Project No.: 35185629

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
D4	Sample was diluted due to the presence of high levels of target analytes.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35185629002	MW-18R		FLD/		
35185629003	MW-19A		FLD/		
35185629004	MW-20A		FLD/		
35185629005	MW-1R		FLD/		
35185629001	Equip Blank 042715	EPA 8011	OEXT/22084	EPA 8011	GCSV/14408
35185629002	MW-18R	EPA 8011	OEXT/22084	EPA 8011	GCSV/14408
35185629003	MW-19A	EPA 8011	OEXT/22084	EPA 8011	GCSV/14408
35185629004	MW-20A	EPA 8011	OEXT/22084	EPA 8011	GCSV/14408
35185629005	MW-1R	EPA 8011	OEXT/22084	EPA 8011	GCSV/14408
35185629001	Equip Blank 042715	EPA 3010	MPRP/23841	EPA 6010	ICP/14566
35185629002	MW-18R	EPA 3010	MPRP/23841	EPA 6010	ICP/14566
35185629003	MW-19A	EPA 3010	MPRP/23841	EPA 6010	ICP/14566
35185629004	MW-20A	EPA 3010	MPRP/23841	EPA 6010	ICP/14566
35185629005	MW-1R	EPA 3010	MPRP/23841	EPA 6010	ICP/14566
35185629001	Equip Blank 042715	EPA 3010	MPRP/23842	EPA 6020	ICPM/9697
35185629002	MW-18R	EPA 3010	MPRP/23842	EPA 6020	ICPM/9697
35185629003	MW-19A	EPA 3010	MPRP/23842	EPA 6020	ICPM/9697
35185629004	MW-20A	EPA 3010	MPRP/23842	EPA 6020	ICPM/9697
35185629005	MW-1R	EPA 3010	MPRP/23842	EPA 6020	ICPM/9697
35185629001	Equip Blank 042715	EPA 7470	MERP/5652	EPA 7470	MERC/5642
35185629002	MW-18R	EPA 7470	MERP/5652	EPA 7470	MERC/5642
35185629003	MW-19A	EPA 7470	MERP/5652	EPA 7470	MERC/5642
35185629004	MW-20A	EPA 7470	MERP/5652	EPA 7470	MERC/5642
35185629005	MW-1R	EPA 7470	MERP/5652	EPA 7470	MERC/5642
35185629001	Equip Blank 042715	EPA 8260	MSV/14811		
35185629002	MW-18R	EPA 8260	MSV/14811		
35185629003	MW-19A	EPA 8260	MSV/14811		
35185629004	MW-20A	EPA 8260	MSV/14811		
35185629005	MW-1R	EPA 8260	MSV/14830		
35185629006	Trip Blank #1	EPA 8260	MSV/14830		
35185629001	Equip Blank 042715	SM 2540C	WET/30543		
35185629002	MW-18R	SM 2540C	WET/30543		
35185629003	MW-19A	SM 2540C	WET/30543		
35185629004	MW-20A	SM 2540C	WET/30543		
35185629005	MW-1R	SM 2540C	WET/30543		
35185629001	Equip Blank 042715	EPA 300.0	WETA/45897		
35185629002	MW-18R	EPA 300.0	WETA/45897		
35185629003	MW-19A	EPA 300.0	WETA/45897		
35185629004	MW-20A	EPA 300.0	WETA/45897		
35185629005	MW-1R	EPA 300.0	WETA/45897		
35185629001	Equip Blank 042715	EPA 350.1	WETA/45900		
35185629002	MW-18R	EPA 350.1	WETA/45900		
35185629003	MW-19A	EPA 350.1	WETA/45900		
35185629004	MW-20A	EPA 350.1	WETA/45900		

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(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill
Pace Project No.: 35185629

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35185629005	**MW-1R**	EPA 350.1	WETA/45900		
35185629001	**Equip Blank 042715**	EPA 353.2	WETA/45854		
35185629002	**MW-18R**	EPA 353.2	WETA/45854		
35185629003	**MW-19A**	EPA 353.2	WETA/45854		
35185629004	**MW-20A**	EPA 353.2	WETA/45854		
35185629005	**MW-1R**	EPA 353.2	WETA/45854		

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PACE
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(386)672-5668 ● FAX (386)673-4001
(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E

Page 1 of 1

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

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services
Address: 1255 T Mabry Carlton Parkway
City Sarasota State Fl. Zip Code 34293
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez
Address:
City State Zip Code
Phone: ( ) 941 650-9834
Fax: ( )

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

3. Client Project Name:
Central County wells
4. Client Project No.:
No.: 130251
6. Custody Seal No.:
7. Sampled By: Alison Eggleston
8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

14.	H	C	N	S	C
15. Preservatives					
16. Containers	V	V	P	P	P
17.					

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

WO#: 35185629
35185629

Item	9. Sample ID or No.	10. Sample Description	11. Date	12. Time	Comp.	Grab	13. Water (Codes)	Air	Soil	Sludge	Other	8260 VOC's App I	8011 EDB App I	Metals App I Fe,Mn,Hg,Na, Al	Nutrients App I	Miscellaneous Inorgs App I				20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1		Equip Blank	4/27/15	0850		X	gw					A,B,C	D,E	F	G	I,J				F:Metals App1	001
2	20595	MW-18R	4/27/15	0930		X	gw					A,B,C	D,E	F	G	I,J				G: Total Ammonia,	002
3	27140	MW-19A	4/27/15	1043		X	gw					A,B,C	D,E	F	G	I,J				I, J: Chloride, Sulfate, TDS	003
4	27141	MW-20A	4/27/15	1149		X	gw					A,B,C	D,E	F	G	I,J				Nitrate	004
5	Trip Blank #1		4/27/15			X	gw					A,B,C	D,E	F	G	I,J					006

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 [signature]	4/27/15	1335	[signature] Pace 4/27	15	1815
2 [signature] Pace	4/27/15	1604	Chelsea Pace	4/27/15	1600
3 Chelsea Pace	4/27/15	2100	FLX	4/27/15	2100
4 FLX			[signature] / Pace	4/27/15	23:45

FOR LAB USE ONLY
Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.:
Quote No.:

B.K T-200

PLEASE USE ADAPT Cooler #1

PACE
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668 ● FAX (386)673-4001
(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E

Page 1 of 1

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

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services
Address: 1255 T Mabry Carlton Parkway
City Sarasota State Fl. Zip Code 34293
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez
Address:
City State Zip Code
Phone: ( ) 941 650-9834
Fax: ( )

3. Client Project Name:
Central County wells
4. Client Project No.:
No.: 140136
6. Custody Seal No.:
7. Sampled By: Alison Eggleston
8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

14.								
15. Preservatives	H	C	N	S	C			
16. Containers	V	V	P	P	P			
17.								

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	12. Time	Comp.	Grab	13. Water (Codes)	Air	Soil	Sludge	Other	8260 VOCs APP I	8011 EDB App I	Metals App I Fe,Mn,Hg,Na, Al	Nutrients App I	Miscellaneous Inorgs App I				20. REMARK	LAB USE ONLY LAB SAMPLE NO.
1	20585	MW-1R	4/27/15	1311		X	gw					A,B,C	D,E	F	G	H				F:Metals App1	005
2						X	gw					A,B,C	D,E	F	G	H				G: Total Ammonia,	
3						X	gw					A,B,C	D,E	F	G	H				I, J: Chloride, Sulfate, TDS	
4						X	gw					A,B,C	D,E	F	G	H				Nitrate	
5						X	gw					A,B,C	D,E	F	G	H					

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 [signature]	4/27/15	1335			
2	via Dean Robinson		Chelsea [signature] Pace	4/27/15	1600
3 Chelsea [signature] Pace	4/27/15	2100	FLX	4/27/15	2100
4 FLX			[signature] / Pace	4/27/15	2345

2.8 T-200

FOR LAB USE ONLY
Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.:
Quote No.:

PLEASE USE ADAPT Cooler #1

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

002

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: MW-18R	SAMPLE ID: 20595	DATE: 4/27/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 11.02	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (18.63 feet – 11.02 feet) X 0.16 gallons/foot = 1.2 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.6	PURGING INITIATED AT: 0906	PURGING ENDED AT: 0929	TOTAL VOLUME PURGED (gallons): 1.8

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)
0921	1.2	1.2	0.08	11.84	6.01	26.90	611	0.31	13.9	med amber	none/sheen
0925	0.3	1.5	0.08	11.90	6.00	26.76	614	0.28	13.8	↓	↓
0929	0.3	1.8	0.08	11.95	6.00	26.73	622	0.24	15.6	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 0930	SAMPLING ENDED AT: 0939
PUMP OR TUBING DEPTH IN WELL (feet): 12.6	TUBING MATERIAL CODE: HDPE / S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

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

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	N/A	8260-vocs App. I	APP	250
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	APP	↓
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	<2	Metals – App. I	APP	↓
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	<2	Nutrients – App. I	APP	↓
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

003

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: MW-19A	SAMPLE ID: 27140	DATE: 4/27/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 12 feet to 22 feet	STATIC DEPTH TO WATER (feet): 10.78	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.5 feet – 10.78 feet) X 0.16 gallons/foot = 1.9 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.8	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1006	PURGING ENDED AT: 1042	TOTAL VOLUME PURGED (gallons): 2.9

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)
1030	1.9	1.9	0.08	11.60	6.69	26.12	817	0.23	0.94	pale yellow/brown	none
1036	0.5	2.4	0.08	11.64	6.69	26.11	818	0.20	7.72		
1042	0.5	2.9	0.08	11.66	6.70	26.02	825	0.20	5.25		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1043	SAMPLING ENDED AT: 1051
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: HDPE ? S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	N/A	8260-vocs App. I	APP	300
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	APP	↓
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals – App. I	APP	↓
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Nutrients – App. I	APP	↓
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

004

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: MW-20A	SAMPLE ID: 27141	DATE: 4/27/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 11.14	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.5 feet – 11.14 feet) X 0.16 gallons/foot = 1.8 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): 12.2	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.6	PURGING INITIATED AT: 1113	PURGING ENDED AT: 1148	TOTAL VOLUME PURGED (gallons): 2.8

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)
1130	1.8	1.8	0.08	12.17	6.51	26.42	851	0.19	0.74	Pale Yellow/Sheen	Sl. Sulfur
1142	0.5	2.3	0.08	12.17	6.52	26.37	856	0.19	0.54	↓	↓
1148	0.5	2.8	0.08	12.17	6.55	26.50	868	0.17	0.73	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1149	SAMPLING ENDED AT: 1158
PUMP OR TUBING DEPTH IN WELL (feet): 12.6	TUBING MATERIAL CODE: HDPE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	N/A	8260-vocs App. I	APP	300
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	APP	↓
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals – App. I	APP	↓
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Nutrients – App. I	APP	↓
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

005

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: MW-1R	SAMPLE ID: 20585	DATE: 4/27/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.68	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15.7 feet – 6.68 feet) X 0.16 gallons/foot = 1.4 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.7	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.0	PURGING INITIATED AT: 1236	PURGING ENDED AT: 1304	TOTAL VOLUME PURGED (gallons): 2.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1254	1.4	1.4	0.08	7.66	6.34	24.54	603	0.50	2.93	pale yellow / clear	none
1259	0.4	1.8	0.08	7.76	6.36	24.57	592	0.45	1.93	↓	↓
1304	0.4	2.2	0.08	7.83	6.39	24.48	587	0.35	2.59	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1305	SAMPLING ENDED AT: 1311
PUMP OR TUBING DEPTH IN WELL (feet): 8.0	TUBING MATERIAL CODE: HDPE ES	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 (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	N/A	8260-vocs App. I	APP	300
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	APP	↓
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals – App. I	APP	↓
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Nutrients – App. I	APP	↓
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: August 11, 2014
	Document No.: F-FL-C-007 rev. 06	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: Sarasota Project # 35185629

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

Tracking # _____

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

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

Date and Initials of person examining contents: 4/27/15

Thermometer Used T-200 Type of Ice: (Wet) Blue None

Cooler Temperature °C 0.8 (Visual) 0.0 (Correction Factor) 0.8 (Actual)

(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen? ☐ Yes ☐ No

Receipt of samples satisfactory: ☐ Yes ☑ No

Rush TAT requested on COC:

If yes, then all conditions below were met:	If no, then mark box & describe issue (use comments area if necessary):
Chain of Custody Present	☐
Chain of Custody Filled Out	☑ No time for trip blanks used 0.0
Relinquished Signature & Sampler Name COC	☐
Samples Arrived within Hold Time	☐
Sufficient Volume	☐
Correct Containers Used	☐
Containers Intact	☐
Sample Labels match COC (sample IDs & date/time of collection)	☐ No Labels: ☐ No Time/Date on Labels: ☐
All containers needing preservation are found to be in compliance with EPA recommendation.	☐
No Headspace in VOA Vials (>6mm):	☐

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: 4/27

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

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

Pace Analytical®
www.pacelabs.com

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

May 13, 2015

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

RE: Project: Sarasota Central Landfill
Pace Project No.: 35185975

Dear Mr. Rodriquez:
Enclosed are the analytical results for sample(s) received by the laboratory on April 29, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Joe Vondrick
joe.vondrick@pacelabs.com
Project Manager

Enclosures

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

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CERTIFICATIONS

Project: Sarasota Central Landfill
Pace Project No.: 35185975

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: Sarasota Central Landfill
Pace Project No.: 35185975

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35185975001	**NAM-4**	Water	04/29/15 10:10	04/29/15 23:00
35185975002	**NAM-3**	Water	04/29/15 11:07	04/29/15 23:00
35185975003	**NAM-2**	Water	04/29/15 12:05	04/29/15 23:00
35185975004	**NAM-1**	Water	04/29/15 13:00	04/29/15 23:00
35185975005	**Equip Blank 4/29/15**	Water	04/29/15 09:35	04/29/15 23:00

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SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill
Pace Project No.: 35185975

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35185975001	**NAM-4**	EPA 6010	CKJ	2	PASI-O
		EPA 6020	DRS	1	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 350.1	BIP	1	PASI-O
35185975002	**NAM-3**	EPA 6010	CKJ	2	PASI-O
		EPA 6020	DRS	1	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 350.1	BIP	1	PASI-O
35185975003	**NAM-2**	EPA 6010	CKJ	2	PASI-O
		EPA 6020	DRS	1	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 350.1	BIP	1	PASI-O
35185975004	**NAM-1**	EPA 6010	CKJ	2	PASI-O
		EPA 6020	DRS	1	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 350.1	BIP	1	PASI-O
35185975005	**Equip Blank 4/29/15**	EPA 6010	CKJ	2	PASI-O
		EPA 6020	DRS	1	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 350.1	BIP	1	PASI-O

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185975

Sample: NAM-4 **Lab ID: 35185975001** Collected: 04/29/15 10:10 Received: 04/29/15 23:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.67**	Std. Units			1		04/29/15 10:10		
Field Temperature	**23.80**	deg C			1		04/29/15 10:10		
Field Specific Conductance	**879**	umhos/cm			1		04/29/15 10:10		
Oxygen, Dissolved	**0.23**	mg/L			1		04/29/15 10:10	7782-44-7	
Turbidity	**0.88**	NTU			1		04/29/15 10:10		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Iron	**6020**	ug/L	40.0	20.0	1	05/01/15 19:00	05/06/15 19:20	7439-89-6	
Manganese	**3.8 I**	ug/L	5.0	2.5	1	05/01/15 19:00	05/06/15 19:20	7439-96-5	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Arsenic	**30.7**	ug/L	1.0	0.50	1	05/01/15 19:00	05/05/15 18:59	7440-38-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**582**	mg/L	5.0	5.0	1		05/01/15 06:13		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.095**	mg/L	0.050	0.020	1		05/01/15 13:01	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185975

Sample: NAM-3 **Lab ID: 35185975002** Collected: 04/29/15 11:07 Received: 04/29/15 23:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.79**	Std. Units			1		04/29/15 11:07		
Field Temperature	**24.09**	deg C			1		04/29/15 11:07		
Field Specific Conductance	**734**	umhos/cm			1		04/29/15 11:07		
Oxygen, Dissolved	**0.18**	mg/L			1		04/29/15 11:07	7782-44-7	
Turbidity	**0.47**	NTU			1		04/29/15 11:07		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Iron	**6620**	ug/L	40.0	20.0	1	05/01/15 19:00	05/06/15 19:24	7439-89-6	
Manganese	**8.1**	ug/L	5.0	2.5	1	05/01/15 19:00	05/06/15 19:24	7439-96-5	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Arsenic	**12.4**	ug/L	1.0	0.50	1	05/01/15 19:00	05/05/15 19:20	7440-38-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**508**	mg/L	5.0	5.0	1		05/01/15 06:13		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.35**	mg/L	0.050	0.020	1		05/01/15 13:06	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185975

Sample: NAM-2 **Lab ID: 35185975003** Collected: 04/29/15 12:05 Received: 04/29/15 23:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.79**	Std. Units			1		04/29/15 12:05		
Field Temperature	**24.36**	deg C			1		04/29/15 12:05		
Field Specific Conductance	**814**	umhos/cm			1		04/29/15 12:05		
Oxygen, Dissolved	**0.18**	mg/L			1		04/29/15 12:05	7782-44-7	
Turbidity	**0.72**	NTU			1		04/29/15 12:05		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Iron	**2630**	ug/L	40.0	20.0	1	05/01/15 19:00	05/06/15 19:28	7439-89-6	
Manganese	**3.0 I**	ug/L	5.0	2.5	1	05/01/15 19:00	05/06/15 19:28	7439-96-5	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Arsenic	**7.0**	ug/L	1.0	0.50	1	05/01/15 19:00	05/05/15 19:23	7440-38-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**519**	mg/L	5.0	5.0	1		05/01/15 06:15		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.21**	mg/L	0.050	0.020	1		05/01/15 13:08	7664-41-7	

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8 East Tower Circle
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(386)672-5668

ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185975

Sample: NAM-1 **Lab ID: 35185975004** Collected: 04/29/15 13:00 Received: 04/29/15 23:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.77**	Std. Units			1		04/29/15 13:00		
Field Temperature	**25.84**	deg C			1		04/29/15 13:00		
Field Specific Conductance	**861**	umhos/cm			1		04/29/15 13:00		
Oxygen, Dissolved	**1.38**	mg/L			1		04/29/15 13:00	7782-44-7	
Turbidity	**1.41**	NTU			1		04/29/15 13:00		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Iron	**1200**	ug/L	40.0	20.0	1	05/01/15 19:00	05/06/15 19:32	7439-89-6	
Manganese	**2.5 U**	ug/L	5.0	2.5	1	05/01/15 19:00	05/06/15 19:32	7439-96-5	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Arsenic	**2.9**	ug/L	1.0	0.50	1	05/01/15 19:00	05/05/15 19:27	7440-38-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**497**	mg/L	5.0	5.0	1		05/01/15 06:15		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.045 I**	mg/L	0.050	0.020	1		05/01/15 13:14	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35185975

Sample: Equip Blank 4/29/15 **Lab ID: 35185975005** Collected: 04/29/15 09:35 Received: 04/29/15 23:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Iron	**20.0 U**	ug/L	40.0	20.0	1	05/01/15 19:00	05/06/15 19:36	7439-89-6	
Manganese	**2.5 U**	ug/L	5.0	2.5	1	05/01/15 19:00	05/06/15 19:36	7439-96-5	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	05/01/15 19:00	05/05/15 19:30	7440-38-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**5.0 U**	mg/L	5.0	5.0	1		05/01/15 06:15		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		05/01/15 13:16	7664-41-7	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185975

QC Batch: MPRP/23910 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35185975001, 35185975002, 35185975003, 35185975004, 35185975005

METHOD BLANK: 1201137 Matrix: Water
Associated Lab Samples: 35185975001, 35185975002, 35185975003, 35185975004, 35185975005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	20.0 U	40.0	05/06/15 18:18	
Manganese	ug/L	2.5 U	5.0	05/06/15 18:18	

LABORATORY CONTROL SAMPLE: 1201138

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2500	2510	100	80-120	
Manganese	ug/L	250	257	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1201139 1201140

Parameter	Units	35185977002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	43.8	2500	2500	2530	2490	100	98	75-125	2	20	
Manganese	ug/L	15.0	250	250	269	263	102	99	75-125	2	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185975

QC Batch: MPRP/23911 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35185975001, 35185975002, 35185975003, 35185975004, 35185975005

METHOD BLANK: 1201141 Matrix: Water
Associated Lab Samples: 35185975001, 35185975002, 35185975003, 35185975004, 35185975005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	0.50 U	1.0	05/05/15 18:29	

LABORATORY CONTROL SAMPLE: 1201142

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	50	53.0	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1201942 1201943

Parameter	Units	35185975001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	30.7	50	50	83.9	85.2	106	109	75-125	2	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185975

QC Batch: WET/30568 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35185975001, 35185975002

METHOD BLANK: 1200308 | Matrix: Water
Associated Lab Samples: 35185975001, 35185975002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	05/01/15 06:05	

LABORATORY CONTROL SAMPLE: 1200309

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	299	100	90-110	

SAMPLE DUPLICATE: 1200360

Parameter	Units	35185975001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	582	571	2	5	

SAMPLE DUPLICATE: 1200361

Parameter	Units	35185975002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	508	505	1	5	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185975

QC Batch: WET/30569 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35185975003, 35185975004, 35185975005

METHOD BLANK: 1200310 Matrix: Water
Associated Lab Samples: 35185975003, 35185975004, 35185975005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	05/01/15 06:15	

LABORATORY CONTROL SAMPLE: 1200311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	287	96	90-110	

SAMPLE DUPLICATE: 1200363

Parameter	Units	35185975003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	519	507	2	5	

SAMPLE DUPLICATE: 1200365

Parameter	Units	35185975004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	497	529	6	5	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35185975

QC Batch: WETA/45977 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35185975001, 35185975002, 35185975003, 35185975004, 35185975005

METHOD BLANK: 1200581 Matrix: Water
Associated Lab Samples: 35185975001, 35185975002, 35185975003, 35185975004, 35185975005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	05/01/15 13:10	

LABORATORY CONTROL SAMPLE: 1200582

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	105	90-110	

MATRIX SPIKE SAMPLE: 1200584

Parameter	Units	35185975001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.095	1	1.1	103	90-110	

SAMPLE DUPLICATE: 1200583

Parameter	Units	35185975001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.095	0.098	4	20	

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QUALIFIERS

Project: Sarasota Central Landfill
Pace Project No.: 35185975

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill
Pace Project No.: 35185975

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35185975001	**NAM-4**		FLD/		
35185975002	**NAM-3**		FLD/		
35185975003	**NAM-2**		FLD/		
35185975004	**NAM-1**		FLD/		
35185975001	**NAM-4**	EPA 3010	MPRP/23910	EPA 6010	ICP/14616
35185975002	**NAM-3**	EPA 3010	MPRP/23910	EPA 6010	ICP/14616
35185975003	**NAM-2**	EPA 3010	MPRP/23910	EPA 6010	ICP/14616
35185975004	**NAM-1**	EPA 3010	MPRP/23910	EPA 6010	ICP/14616
35185975005	**Equip Blank 4/29/15**	EPA 3010	MPRP/23910	EPA 6010	ICP/14616
35185975001	**NAM-4**	EPA 3010	MPRP/23911	EPA 6020	ICPM/9716
35185975002	**NAM-3**	EPA 3010	MPRP/23911	EPA 6020	ICPM/9716
35185975003	**NAM-2**	EPA 3010	MPRP/23911	EPA 6020	ICPM/9716
35185975004	**NAM-1**	EPA 3010	MPRP/23911	EPA 6020	ICPM/9716
35185975005	**Equip Blank 4/29/15**	EPA 3010	MPRP/23911	EPA 6020	ICPM/9716
35185975001	**NAM-4**	SM 2540C	WET/30568		
35185975002	**NAM-3**	SM 2540C	WET/30568		
35185975003	**NAM-2**	SM 2540C	WET/30569		
35185975004	**NAM-1**	SM 2540C	WET/30569		
35185975005	**Equip Blank 4/29/15**	SM 2540C	WET/30569		
35185975001	**NAM-4**	EPA 350.1	WETA/45977		
35185975002	**NAM-3**	EPA 350.1	WETA/45977		
35185975003	**NAM-2**	EPA 350.1	WETA/45977		
35185975004	**NAM-1**	EPA 350.1	WETA/45977		
35185975005	**Equip Blank 4/29/15**	EPA 350.1	WETA/45977		

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WO# : 35185975

35185975

8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668 ● FAX (386)673-4001
(INSTRUCTIONS ON BACK OF THIS FORM)

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

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services

Address: 1255 T Mabry Carlton Parkway
City Sarasota State Fl. Zip Code 34293
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez

Address:
City State Zip Code
Phone: ( ) 941 650-9834
Fax: ( )

3. Client Project Name:
Central County wells
4. Client Project No.:
No.: 130251
6. Custody Seal No.:
7. Sampled By: ~~Larry Garland~~ Alison Eggleston
8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

14. 15. Preservatives: S N C
16. Containers: P P G
17.

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

Item	9. Sample ID or No.	10. Sample Description	11. Date	Time	12. Comp.	Grab	13. Water (Codes)	Air	Soil	Sludge	Other	Nutrients App I	As, Fe, Mn	TDS,					20. REMARK	LAB USE ONLY LAB SAMPLE NO.
6	29094	NAM-4	4/29/15	1010		X	gw					A	B	C					A: Ammonia N	
7	29093	NAM-3	4/29/15	1107		X	gw												B: As, Fe, Mn	
8	29092	NAM-2	4/29/15	1205		X	gw												C: TDS	
9	29091	NAM-1	4/29/15	1300		X	gw													
10		Equip Blank	04/29/15	0935		X	gw													
11						X	gw													

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Alison Eggleston	4/29/15	1325	PACE	4/29/15	1427
2 PACE	4/29/15	1600	Unknown PACE	4/29/15	11:00
3 Unknown PACE	4/29/15	2100	FCX	4/29/15	2100
4 FCX			TDH PACE	4/29/15	2300

Sampling Fee: Hrs.
Equipment Rental Fee:
Profile No.:
Quote No.:

DISTRIBUTION: White with report; make copies as needed

1200 -1.4

Revised: 1/99

USE ADAPT

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

001

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: NAM-4	SAMPLE ID: 29094	DATE: 4/29/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 8.20	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.5 feet – 8.20 feet) X 0.16 gallons/foot = 1.0 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.2	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.2	PURGING INITIATED AT: 0935	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons): 2.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0949	1.0	1.0	0.08	8.51	6.69	23.99	1101	0.35	7.34	Pale Amber	Slight
0953	0.3	1.3	0.08	8.52	6.71	23.82	1030	0.32	5.18	↓	↓
0957	0.3	1.6	0.08	8.53	6.69	23.23	957	0.29	2.36		
1001	0.3	1.9	0.08	8.55	6.69	23.74	919	0.26	1.36		
1005	0.3	2.2	0.08	8.55	6.69	23.75	894	0.27	1.72		
1009	0.3	2.5	0.08	8.55	6.67	23.80	879	0.23	0.88	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1010	SAMPLING ENDED AT: 1015
PUMP OR TUBING DEPTH IN WELL (feet): 9.2	TUBING MATERIAL CODE: HDPE	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 (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals	APP	300
B	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Total Ammonia	APP	↓
C	1	HDPE	1 L	H2SO4 & wet ice	N/A	N/A	Misc. Inorganics	APP	↓

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: NAM-3	SAMPLE ID: 29093	DATE: 4/29/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 3.92	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.5 feet – 3.92 feet) X 0.16 gallons/foot = 1.7 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 4.9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 4.9	PURGING INITIATED AT: 1041	PURGING ENDED AT: 1105	TOTAL VOLUME PURGED (gallons): 2.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1057	1.8	1.8	0.11	4.43	6.76	24.11	742	0.21	1.19	colorless/clear	none
1101	0.4	2.2	0.11	4.44	6.77	24.16	740	0.23	0.54		
1105	0.4	2.6	0.11	4.44	6.79	24.09	734	0.18	0.47		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1107	SAMPLING ENDED AT: 1112
PUMP OR TUBING DEPTH IN WELL (feet): 4.9	TUBING MATERIAL CODE: LDPE S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals	APP	400
B	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Total Ammonia	APP	
C	1	HDPE	1 L	H2SO4 & wet ice	N/A	N/A	Misc. Inorganics	APP	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

003

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: NAM-2	SAMPLE ID: 29092	DATE: 4/29/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.08	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.5 feet – 4.08 feet) X 0.16 gallons/foot = 1.7 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5.1	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5.1	PURGING INITIATED AT: 1140	PURGING ENDED AT: 1204	TOTAL VOLUME PURGED (gallons): 2.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1156	1.8	1.8	0.11	4.20	6.77	24.47	813	0.20	0.73	colorless	none
1200	0.4	2.2	0.11	4.20	6.80	24.37	815	0.21	0.90	↓	↓
1204	0.4	2.6	0.11	4.20	6.79	24.36	814	0.18	0.72	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1205	SAMPLING ENDED AT: 1211
PUMP OR TUBING DEPTH IN WELL (feet): 5.1	TUBING MATERIAL CODE: LDPE ES	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 (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals	APP	400
B	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Total Ammonia	APP	↓
C	1	HDPE	1 L	H2SO4 & wet ice	N/A	N/A	Misc. Inorganics	APP	↓

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

604

SITE NAME: CCSWDC		SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275
WELL NO: NAM-1	SAMPLE ID: 29091	DATE: 4/29/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches) 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): ~~8.20~~ 3.80	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.5 feet – ~~8.25~~ 3.80 feet) X 0.16 gallons/foot = 1.7 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 4.8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 4.8	PURGING INITIATED AT: 1235	PURGING ENDED AT: 1259	TOTAL VOLUME PURGED (gallons): 2.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1251	1.8	1.8	0.11	4.30	6.75	25.81	843	1.68	0.66	colorless	none
1255	0.4	2.2	0.11	4.30	6.77	25.78	850	1.59	3.29		
1259	0.4	2.6	0.11	4.30	6.77	25.84	861	1.38	1.41		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1300	SAMPLING ENDED AT: 1306
PUMP OR TUBING DEPTH IN WELL (feet): 4.8	TUBING MATERIAL CODE: LDPE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

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

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals	APP	400
B	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Total Ammonia	APP	↓
C	1	HDPE	1 L	H2SO4 & wet ice	N/A	N/A	Misc. Inorganics	APP	↓

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: August 11, 2014
	Document No.: F-FL-C-007 rev. 06	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: Sarasota Project #: 35185975

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

Tracking # _____

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

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

Thermometer Used T260 Type of Ice: (Wet) Blue None

Cooler Temperature °C -1.4 (Visual) 0 (Correction Factor) -1.4 (Actual)

Date and Initials of person examining contents: 4/29/15 TH 2300

(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen? ☐ Yes ☑ No

Receipt of samples satisfactory: ☑ Yes ☐ No Rush TAT requested on COC:

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: 4/30

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

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

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

June 05, 2015

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

RE: Project: Sarasota Central Landfill
Pace Project No.: 35189048

Dear Mr. Rodriquez:
Enclosed are the analytical results for sample(s) received by the laboratory on May 19, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Joe Vondrick
joe.vondrick@pacelabs.com
Project Manager

Enclosures

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

REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: Sarasota Central Landfill
Pace Project No.: 35189048

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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

SAMPLE SUMMARY

Project: Sarasota Central Landfill
Pace Project No.: 35189048

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35189048001	**MW-8A**	Water	05/19/15 10:46	05/19/15 16:00
35189048002	**MW-9**	Water	05/19/15 11:52	05/19/15 16:00
35189048003	**MW-10R**	Water	05/19/15 12:52	05/19/15 16:00
35189048004	**Trip Blank 051915**	Water	05/19/15 08:00	05/19/15 16:00

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

SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill
Pace Project No.: 35189048

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35189048001	**MW-8A**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	17	PASI-O
		EPA 6020	CRT	2	PASI-O
		EPA 7470	TAP	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	AIS	2	PASI-O
		EPA 350.1	BIP	1	PASI-O
		EPA 353.2	KEK	1	PASI-O
35189048002	**MW-9**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	17	PASI-O
		EPA 6020	CRT	2	PASI-O
		EPA 7470	TAP	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	AIS	2	PASI-O
		EPA 350.1	BIP	1	PASI-O
		EPA 353.2	KEK	1	PASI-O
35189048003	**MW-10R**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	17	PASI-O
		EPA 6020	CRT	2	PASI-O
		EPA 7470	TAP	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	AIS	2	PASI-O
		EPA 350.1	BIP	1	PASI-O
		EPA 353.2	KEK	1	PASI-O
35189048004	**Trip Blank 051915**	EPA 8260	SK	48	PASI-O

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

ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189048

Sample: MW-8A **Lab ID: 35189048001** Collected: 05/19/15 10:46 Received: 05/19/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.26**	Std. Units			1		05/19/15 10:46		
Field Temperature	**25.11**	deg C			1		05/19/15 10:46		
Field Specific Conductance	**1513**	umhos/cm			1		05/19/15 10:46		
Oxygen, Dissolved	**0.23**	mg/L			1		05/19/15 10:46	7782-44-7	
Turbidity	**1.45**	NTU			1		05/19/15 10:46		
Water Level(NGVD)	**16.74**	feet			1		05/19/15 10:46		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0053 U**	ug/L	0.022	0.0053	1	05/21/15 09:45	05/22/15 05:38	96-12-8	
1,2-Dibromoethane (EDB)	**0.0067 U**	ug/L	0.011	0.0067	1	05/21/15 09:45	05/22/15 05:38	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**22.3**	ug/L	10.0	5.0	1	06/01/15 12:41	06/02/15 13:34	7440-38-2	
Barium	**47.0**	ug/L	10.0	5.0	1	06/01/15 12:41	06/02/15 13:34	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	06/01/15 12:41	06/02/15 13:34	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	06/01/15 12:41	06/02/15 13:34	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	06/01/15 12:41	06/02/15 13:34	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	06/01/15 12:41	06/02/15 13:34	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	06/01/15 12:41	06/02/15 13:34	7440-50-8	
Iron	**20500**	ug/L	40.0	20.0	1	06/01/15 12:41	06/02/15 13:34	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	06/01/15 12:41	06/02/15 13:34	7439-92-1	
Manganese	**30.5**	ug/L	5.0	2.5	1	06/01/15 12:41	06/02/15 13:34	7439-96-5	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	06/01/15 12:41	06/02/15 13:34	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	06/01/15 12:41	06/02/15 13:34	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	06/01/15 12:41	06/02/15 13:34	7440-22-4	
Sodium	**44.1**	mg/L	1.0	0.50	1	06/01/15 12:41	06/02/15 13:34	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	06/01/15 12:41	06/02/15 13:34	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	06/01/15 12:41	06/02/15 13:34	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	06/01/15 12:41	06/02/15 12:14	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	06/01/15 12:41	06/02/15 12:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	06/02/15 17:25	06/03/15 10:38	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		05/30/15 20:52	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 20:52	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		05/30/15 20:52	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		05/30/15 20:52	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	74-83-9	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189048

Sample: MW-8A **Lab ID: 35189048001** Collected: 05/19/15 10:46 Received: 05/19/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 20:52	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 20:52	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		05/30/15 20:52	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		05/30/15 20:52	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 20:52	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/30/15 20:52	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/30/15 20:52	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 20:52	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		05/30/15 20:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 20:52	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		05/30/15 20:52	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	127-18-4	
Toluene	**0.91 I**	ug/L	1.0	0.50	1		05/30/15 20:52	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	75-69-4	L3
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		05/30/15 20:52	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		05/30/15 20:52	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 20:52	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		05/30/15 20:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-114		1		05/30/15 20:52	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	86-125		1		05/30/15 20:52	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		05/30/15 20:52	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**924**	mg/L	10.0	10.0	1		05/22/15 21:25		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189048

Sample: MW-8A **Lab ID: 35189048001** Collected: 05/19/15 10:46 Received: 05/19/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**28.5**	mg/L	10.0	5.0	2		05/21/15 16:46	16887-00-6	
Sulfate	**5.0 U**	mg/L	10.0	5.0	2		05/21/15 16:46	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**14.2**	mg/L	0.050	0.020	1		05/21/15 12:10	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		05/20/15 09:36		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189048

Sample: MW-9 **Lab ID: 35189048002** Collected: 05/19/15 11:52 Received: 05/19/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.53**	Std. Units			1		05/19/15 11:52		
Field Temperature	**27.98**	deg C			1		05/19/15 11:52		
Field Specific Conductance	**1863**	umhos/cm			1		05/19/15 11:52		
Oxygen, Dissolved	**0.18**	mg/L			1		05/19/15 11:52	7782-44-7	
Turbidity	**0.51**	NTU			1		05/19/15 11:52		
Water Level(NGVD)	**13.62**	feet			1		05/19/15 11:52		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.021	0.0050	1	05/21/15 09:45	05/22/15 06:23	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	05/21/15 09:45	05/22/15 06:23	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**21.8**	ug/L	10.0	5.0	1	06/01/15 12:41	06/02/15 13:46	7440-38-2	
Barium	**112**	ug/L	10.0	5.0	1	06/01/15 12:41	06/02/15 13:46	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	06/01/15 12:41	06/02/15 13:46	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	06/01/15 12:41	06/02/15 13:46	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	06/01/15 12:41	06/02/15 13:46	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	06/01/15 12:41	06/02/15 13:46	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	06/01/15 12:41	06/02/15 13:46	7440-50-8	
Iron	**29600**	ug/L	40.0	20.0	1	06/01/15 12:41	06/02/15 13:46	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	06/01/15 12:41	06/02/15 13:46	7439-92-1	
Manganese	**35.5**	ug/L	5.0	2.5	1	06/01/15 12:41	06/02/15 13:46	7439-96-5	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	06/01/15 12:41	06/02/15 13:46	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	06/01/15 12:41	06/02/15 13:46	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	06/01/15 12:41	06/02/15 13:46	7440-22-4	
Sodium	**26.2**	mg/L	1.0	0.50	1	06/01/15 12:41	06/02/15 13:46	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	06/01/15 12:41	06/02/15 13:46	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	06/01/15 12:41	06/02/15 13:46	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	06/01/15 12:41	06/02/15 14:46	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	06/01/15 12:41	06/02/15 14:46	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	06/02/15 17:25	06/03/15 10:42	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		05/30/15 21:18	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 21:18	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		05/30/15 21:18	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		05/30/15 21:18	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	74-83-9	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189048

Sample: MW-9 **Lab ID: 35189048002** Collected: 05/19/15 11:52 Received: 05/19/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 21:18	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 21:18	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		05/30/15 21:18	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		05/30/15 21:18	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 21:18	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/30/15 21:18	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/30/15 21:18	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 21:18	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		05/30/15 21:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 21:18	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		05/30/15 21:18	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	127-18-4	
Toluene	**0.59 I**	ug/L	1.0	0.50	1		05/30/15 21:18	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	75-69-4	L3
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		05/30/15 21:18	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		05/30/15 21:18	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:18	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		05/30/15 21:18	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-114		1		05/30/15 21:18	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%	86-125		1		05/30/15 21:18	17060-07-0	
Toluene-d8 (S)	105	%	87-113		1		05/30/15 21:18	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1040**	mg/L	10.0	10.0	1		05/22/15 21:25		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189048

Sample: MW-9 **Lab ID: 35189048002** Collected: 05/19/15 11:52 Received: 05/19/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**32.5**	mg/L	10.0	5.0	2		05/21/15 17:06	16887-00-6	
Sulfate	**16.1**	mg/L	10.0	5.0	2		05/21/15 17:06	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**11.4**	mg/L	0.050	0.020	1		05/21/15 12:12	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.029 I**	mg/L	0.050	0.025	1		05/20/15 09:40		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189048

Sample: MW-10R **Lab ID: 35189048003** Collected: 05/19/15 12:52 Received: 05/19/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.40**	Std. Units			1		05/19/15 12:52		
Field Temperature	**26.62**	deg C			1		05/19/15 12:52		
Field Specific Conductance	**1473**	umhos/cm			1		05/19/15 12:52		
Oxygen, Dissolved	**0.17**	mg/L			1		05/19/15 12:52	7782-44-7	
Turbidity	**1.09**	NTU			1		05/19/15 12:52		
Water Level(NGVD)	**20.93**	feet			1		05/19/15 12:52		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	05/21/15 09:45	05/22/15 07:09	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	05/21/15 09:45	05/22/15 07:09	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**11.8**	ug/L	10.0	5.0	1	06/01/15 12:41	06/02/15 14:15	7440-38-2	
Barium	**71.8**	ug/L	10.0	5.0	1	06/01/15 12:41	06/02/15 14:15	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	06/01/15 12:41	06/02/15 14:15	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	06/01/15 12:41	06/02/15 14:15	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	06/01/15 12:41	06/02/15 14:15	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	06/01/15 12:41	06/02/15 14:15	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	06/01/15 12:41	06/02/15 14:15	7440-50-8	
Iron	**57600**	ug/L	40.0	20.0	1	06/01/15 12:41	06/02/15 14:15	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	06/01/15 12:41	06/02/15 14:15	7439-92-1	
Manganese	**23.2**	ug/L	5.0	2.5	1	06/01/15 12:41	06/02/15 14:15	7439-96-5	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	06/01/15 12:41	06/02/15 14:15	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	06/01/15 12:41	06/02/15 14:15	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	06/01/15 12:41	06/02/15 14:15	7440-22-4	
Sodium	**81.4**	mg/L	1.0	0.50	1	06/01/15 12:41	06/02/15 14:15	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	06/01/15 12:41	06/02/15 14:15	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	06/01/15 12:41	06/02/15 14:15	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	06/01/15 12:41	06/02/15 15:16	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	06/01/15 12:41	06/02/15 15:16	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	06/02/15 17:25	06/03/15 10:44	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		05/30/15 21:44	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 21:44	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		05/30/15 21:44	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		05/30/15 21:44	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	74-83-9	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189048

Sample: MW-10R **Lab ID: 35189048003** Collected: 05/19/15 12:52 Received: 05/19/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 21:44	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 21:44	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		05/30/15 21:44	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		05/30/15 21:44	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 21:44	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/30/15 21:44	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/30/15 21:44	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 21:44	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		05/30/15 21:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 21:44	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		05/30/15 21:44	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	127-18-4	
Toluene	**0.58 I**	ug/L	1.0	0.50	1		05/30/15 21:44	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	75-69-4	L3
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		05/30/15 21:44	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		05/30/15 21:44	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 21:44	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		05/30/15 21:44	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-114		1		05/30/15 21:44	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	86-125		1		05/30/15 21:44	17060-07-0	
Toluene-d8 (S)	105	%	87-113		1		05/30/15 21:44	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**826**	mg/L	10.0	10.0	1		05/22/15 21:26		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189048

Sample: MW-10R **Lab ID: 35189048003** Collected: 05/19/15 12:52 Received: 05/19/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**81.9**	mg/L	10.0	5.0	2		05/21/15 17:25	16887-00-6	
Sulfate	**5.0 U**	mg/L	10.0	5.0	2		05/21/15 17:25	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**7.9**	mg/L	0.050	0.020	1		05/21/15 12:13	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		05/20/15 09:41		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189048

Sample: Trip Blank 051915 **Lab ID: 35189048004** Collected: 05/19/15 08:00 Received: 05/19/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		05/30/15 15:45	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 15:45	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		05/30/15 15:45	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		05/30/15 15:45	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 15:45	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 15:45	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		05/30/15 15:45	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		05/30/15 15:45	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 15:45	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/30/15 15:45	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/30/15 15:45	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 15:45	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		05/30/15 15:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		05/30/15 15:45	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		05/30/15 15:45	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	127-18-4	
Toluene	**2.2**	ug/L	1.0	0.50	1		05/30/15 15:45	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	75-69-4	L3
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		05/30/15 15:45	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		05/30/15 15:45	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		05/30/15 15:45	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		05/30/15 15:45	1330-20-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189048

Sample: Trip Blank 051915 **Lab ID: 35189048004** Collected: 05/19/15 08:00 Received: 05/19/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-114		1		05/30/15 15:45	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%	86-125		1		05/30/15 15:45	17060-07-0	
Toluene-d8 (S)	106	%	87-113		1		05/30/15 15:45	2037-26-5	

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QUALITY CONTROL DAT

REVIEWED
By Cesar Rodriguez at 10:19 am, Jun 09, 2015

Project: Sarasota Central Landfill
Pace Project No.: 35189048

QC Batch: MERP/5805 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35189048001, 35189048002, 35189048003

METHOD BLANK: 1230032 Matrix: Water
Associated Lab Samples: 35189048001, 35189048002, 35189048003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	06/03/15 10:23	

LABORATORY CONTROL SAMPLE: 1230033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1230034 1230035

Parameter	Units	35187780001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	2.1	2.1	106	106	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

REVIEWED
By Cesar Rodriguez at 10:19 am, Jun 09, 2015

Project: Sarasota Central Landfill
Pace Project No.: 35189048

QC Batch: MPRP/24439 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35189048001, 35189048002, 35189048003

METHOD BLANK: 1228590 Matrix: Water
Associated Lab Samples: 35189048001, 35189048002, 35189048003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	06/02/15 13:26	
Barium	ug/L	5.0 U	10.0	06/02/15 13:26	
Beryllium	ug/L	0.50 U	1.0	06/02/15 13:26	
Cadmium	ug/L	0.50 U	1.0	06/02/15 13:26	
Chromium	ug/L	2.5 U	5.0	06/02/15 13:26	
Cobalt	ug/L	5.0 U	10.0	06/02/15 13:26	
Copper	ug/L	2.5 U	5.0	06/02/15 13:26	
Iron	ug/L	20.0 U	40.0	06/02/15 13:26	
Lead	ug/L	5.0 U	10.0	06/02/15 13:26	
Manganese	ug/L	2.5 U	5.0	06/02/15 13:26	
Nickel	ug/L	2.5 U	5.0	06/02/15 13:26	
Selenium	ug/L	7.5 U	15.0	06/02/15 13:26	
Silver	ug/L	2.5 U	5.0	06/02/15 13:26	
Sodium	mg/L	0.50 U	1.0	06/02/15 13:26	
Vanadium	ug/L	5.0 U	10.0	06/02/15 13:26	
Zinc	ug/L	10.0 U	20.0	06/02/15 13:26	

LABORATORY CONTROL SAMPLE: 1228591

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	245	98	80-120	
Barium	ug/L	250	262	105	80-120	
Beryllium	ug/L	25	25.5	102	80-120	
Cadmium	ug/L	25	25.8	103	80-120	
Chromium	ug/L	250	253	101	80-120	
Cobalt	ug/L	250	259	104	80-120	
Copper	ug/L	250	252	101	80-120	
Iron	ug/L	2500	2580	103	80-120	
Lead	ug/L	250	267	107	80-120	
Manganese	ug/L	250	254	102	80-120	
Nickel	ug/L	250	257	103	80-120	
Selenium	ug/L	250	247	99	80-120	
Silver	ug/L	25	24.8	99	80-120	
Sodium	mg/L	12.5	13.1	104	80-120	
Vanadium	ug/L	250	256	102	80-120	
Zinc	ug/L	1250	1260	101	80-120	

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By Cesar Rodriguez at 10:19 am, Jun 09, 2015

QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189048

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1228592 1228593

Parameter	Units	35189048001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	22.3	250	250	273	274	100	101	75-125	0	20	
Barium	ug/L	47.0	250	250	308	304	104	103	75-125	1	20	
Beryllium	ug/L	0.50 U	25	25	25.4	25.5	101	102	75-125	0	20	
Cadmium	ug/L	0.50 U	25	25	24.7	24.6	99	99	75-125	0	20	
Chromium	ug/L	2.5 U	250	250	251	250	100	100	75-125	0	20	
Cobalt	ug/L	5.0 U	250	250	256	256	102	102	75-125	0	20	
Copper	ug/L	2.5 U	250	250	260	260	104	104	75-125	0	20	
Iron	ug/L	20500	2500	2500	22700	22400	91	79	75-125	1	20	
Lead	ug/L	5.0 U	250	250	256	256	102	102	75-125	0	20	
Manganese	ug/L	30.5	250	250	280	280	100	100	75-125	0	20	
Nickel	ug/L	2.5 U	250	250	247	246	99	98	75-125	0	20	
Selenium	ug/L	7.5 U	250	250	256	252	102	101	75-125	1	20	
Silver	ug/L	2.5 U	25	25	25.5	25.1	102	100	75-125	2	20	
Sodium	mg/L	44.1	12.5	12.5	56.5	55.2	99	88	75-125	2	20	
Vanadium	ug/L	5.0 U	250	250	258	258	103	102	75-125	0	20	
Zinc	ug/L	10.0 U	1250	1250	1280	1270	102	102	75-125	0	20	

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REVIEWED
By Cesar Rodriguez at 10:19 am, Jun 09, 2015

QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189048

QC Batch: MPRP/24440 — Analysis Method: EPA 6020
QC Batch Method: EPA 3010 — Analysis Description: 6020 MET
Associated Lab Samples: 35189048001, 35189048002, 35189048003

METHOD BLANK: 1228594 — Matrix: Water
Associated Lab Samples: 35189048001, 35189048002, 35189048003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	06/02/15 12:08	
Thallium	ug/L	0.50 U	1.0	06/02/15 12:08	

LABORATORY CONTROL SAMPLE: 1228595

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	48.4	97	80-120	
Thallium	ug/L	50	49.0	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1228596 — 1228597

Parameter	Units	35189048002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	48.6	48.6	97	97	75-125	0	20	
Thallium	ug/L	0.50 U	50	50	51.1	51.3	102	102	75-125	0	20	

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QUALITY CONTROL DATA

REVIEWED
By Cesar Rodriguez at 10:19 am, Jun 09, 2015

Project: Sarasota Central Landfill
Pace Project No.: 35189048

QC Batch: MSV/15018 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35189048001, 35189048002, 35189048003, 35189048004

METHOD BLANK: 1227597 Matrix: Water
Associated Lab Samples: 35189048001, 35189048002, 35189048003, 35189048004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	05/30/15 13:38	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	05/30/15 13:38	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	05/30/15 13:38	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	05/30/15 13:38	
1,1-Dichloroethane	ug/L	0.50 U	1.0	05/30/15 13:38	
1,1-Dichloroethene	ug/L	0.50 U	1.0	05/30/15 13:38	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	05/30/15 13:38	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	05/30/15 13:38	
1,2-Dichloroethane	ug/L	0.50 U	1.0	05/30/15 13:38	
1,2-Dichloropropane	ug/L	0.50 U	1.0	05/30/15 13:38	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	05/30/15 13:38	
2-Butanone (MEK)	ug/L	5.0 U	10.0	05/30/15 13:38	
2-Hexanone	ug/L	5.0 U	10.0	05/30/15 13:38	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	05/30/15 13:38	
Acetone	ug/L	10.0 U	20.0	05/30/15 13:38	
Acrylonitrile	ug/L	5.0 U	10.0	05/30/15 13:38	
Benzene	ug/L	0.10 U	1.0	05/30/15 13:38	
Bromochloromethane	ug/L	0.50 U	1.0	05/30/15 13:38	
Bromodichloromethane	ug/L	0.27 U	0.60	05/30/15 13:38	
Bromoform	ug/L	0.50 U	1.0	05/30/15 13:38	
Bromomethane	ug/L	0.50 U	1.0	05/30/15 13:38	
Carbon disulfide	ug/L	5.0 U	10.0	05/30/15 13:38	
Carbon tetrachloride	ug/L	0.50 U	1.0	05/30/15 13:38	
Chlorobenzene	ug/L	0.50 U	1.0	05/30/15 13:38	
Chloroethane	ug/L	0.50 U	1.0	05/30/15 13:38	
Chloroform	ug/L	0.50 U	1.0	05/30/15 13:38	
Chloromethane	ug/L	0.62 U	1.0	05/30/15 13:38	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	05/30/15 13:38	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	05/30/15 13:38	
Dibromochloromethane	ug/L	0.26 U	0.50	05/30/15 13:38	
Dibromomethane	ug/L	0.50 U	1.0	05/30/15 13:38	
Ethylbenzene	ug/L	0.50 U	1.0	05/30/15 13:38	
Iodomethane	ug/L	0.50 U	1.0	05/30/15 13:38	
Methylene Chloride	ug/L	2.5 U	5.0	05/30/15 13:38	
Styrene	ug/L	0.50 U	1.0	05/30/15 13:38	
Tetrachloroethene	ug/L	0.50 U	1.0	05/30/15 13:38	
Toluene	ug/L	0.50 U	1.0	05/30/15 13:38	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	05/30/15 13:38	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	05/30/15 13:38	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	05/30/15 13:38	
Trichloroethene	ug/L	0.50 U	1.0	05/30/15 13:38	

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QUALITY CONTROL DATA

REVIEWED
By Cesar Rodriguez at 10:19 am, Jun 09, 2015

Project: Sarasota Central Landfill
Pace Project No.: 35189048

METHOD BLANK: 1227597 Matrix: Water
Associated Lab Samples: 35189048001, 35189048002, 35189048003, 35189048004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	05/30/15 13:38	
Vinyl acetate	ug/L	1.0 U	2.0	05/30/15 13:38	
Vinyl chloride	ug/L	0.50 U	1.0	05/30/15 13:38	
Xylene (Total)	ug/L	0.50 U	3.0	05/30/15 13:38	
1,2-Dichloroethane-d4 (S)	%	112	86-125	05/30/15 13:38	
4-Bromofluorobenzene (S)	%	98	70-114	05/30/15 13:38	
Toluene-d8 (S)	%	101	87-113	05/30/15 13:38	

LABORATORY CONTROL SAMPLE: 1227598

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.2	106	70-130	
1,1,1-Trichloroethane	ug/L	20	24.4	122	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.7	98	70-130	
1,1,2-Trichloroethane	ug/L	20	20.4	102	70-130	
1,1-Dichloroethane	ug/L	20	22.1	111	70-130	
1,1-Dichloroethene	ug/L	20	23.2	116	70-130	
1,2,3-Trichloropropane	ug/L	20	20.6	103	70-130	
1,2-Dichlorobenzene	ug/L	20	21.6	108	70-130	
1,2-Dichloroethane	ug/L	20	23.7	119	70-130	
1,2-Dichloropropane	ug/L	20	22.3	112	70-130	
1,4-Dichlorobenzene	ug/L	20	21.6	108	70-130	
2-Butanone (MEK)	ug/L	40	43.3	108	55-167	
2-Hexanone	ug/L	40	41.7	104	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	41.5	104	70-130	
Acetone	ug/L	40	42.9	107	40-150	
Acrylonitrile	ug/L	200	220	110	70-130	
Benzene	ug/L	20	22.1	111	70-130	
Bromochloromethane	ug/L	20	22.4	112	70-130	
Bromodichloromethane	ug/L	20	23.4	117	70-130	
Bromoform	ug/L	20	19.2	96	68-130	
Bromomethane	ug/L	20	18.2	91	38-179	
Carbon disulfide	ug/L	20	20.4	102	51-155	
Carbon tetrachloride	ug/L	20	23.2	116	70-130	
Chlorobenzene	ug/L	20	21.4	107	70-130	
Chloroethane	ug/L	20	22.3	111	59-149	
Chloroform	ug/L	20	22.9	115	70-130	
Chloromethane	ug/L	20	20.9	105	68-130	
cis-1,2-Dichloroethene	ug/L	20	22.9	115	70-130	
cis-1,3-Dichloropropene	ug/L	20	22.5	112	70-130	
Dibromochloromethane	ug/L	20	21.2	106	70-130	
Dibromomethane	ug/L	20	22.6	113	70-130	
Ethylbenzene	ug/L	20	21.2	106	70-130	
Iodomethane	ug/L	40	38.5	96	43-160	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189048

LABORATORY CONTROL SAMPLE: 1227598

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	22.8	114	70-130	
Styrene	ug/L	20	20.8	104	70-130	
Tetrachloroethene	ug/L	20	21.8	109	66-133	
Toluene	ug/L	20	20.4	102	70-130	
trans-1,2-Dichloroethene	ug/L	20	22.3	112	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.1	100	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	18.3	91	65-130	
Trichloroethene	ug/L	20	23.9	119	70-130	
Trichlorofluoromethane	ug/L	20	26.9	135	70-131	J(L0)
Vinyl acetate	ug/L	20	22.8	114	69-135	
Vinyl chloride	ug/L	20	23.8	119	69-140	
Xylene (Total)	ug/L	60	64.1	107	70-130	
1,2-Dichloroethane-d4 (S)	%			115	86-125	
4-Bromofluorobenzene (S)	%			100	70-114	
Toluene-d8 (S)	%			102	87-113	

MATRIX SPIKE SAMPLE: 1228368

Parameter	Units	35189361002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	19.1	95	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	23.4	117	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	16.7	84	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	18.7	93	70-130	
1,1-Dichloroethane	ug/L	1.2	20	22.0	104	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	20.2	101	70-130	
1,2,3-Trichloropropane	ug/L	0.59 U	20	17.3	86	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	18.1	90	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	22.0	110	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	20.2	101	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	18.3	90	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	37.9	95	70-130	
2-Hexanone	ug/L	5.0 U	40	34.7	87	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	36.3	91	70-130	
Acetone	ug/L	10.0 U	40	37.9	84	70-130	
Acrylonitrile	ug/L	5.0 U	200	190	95	70-130	
Benzene	ug/L	0.10 U	20	20.3	102	70-130	
Bromochloromethane	ug/L	0.50 U	20	20.6	103	70-130	
Bromodichloromethane	ug/L	0.27 U	20	21.3	107	70-130	
Bromoform	ug/L	0.50 U	20	17.5	88	70-130	
Bromomethane	ug/L	0.50 U	20	15.1	76	70-130	
Carbon disulfide	ug/L	5.0 U	20	20.1	101	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	23.8	119	70-130	
Chlorobenzene	ug/L	0.50 U	20	19.6	97	70-130	
Chloroethane	ug/L	0.50 U	20	21.4	107	70-130	
Chloroform	ug/L	0.50 U	20	21.5	108	70-130	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189048

MATRIX SPIKE SAMPLE: 1228368

Parameter	Units	35189361002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	15.4	77	70-130	
cis-1,2-Dichloroethene	ug/L	3.1	20	24.4	106	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	19.4	97	70-130	
Dibromochloromethane	ug/L	0.26 U	20	19.0	95	70-130	
Dibromomethane	ug/L	0.50 U	20	20.7	104	70-130	
Ethylbenzene	ug/L	0.50 U	20	19.5	97	70-130	
Iodomethane	ug/L	0.50 U	40	31.5	79	70-130	
Methylene Chloride	ug/L	2.5 U	20	19.1	96	70-130	
Styrene	ug/L	0.50 U	20	18.6	93	70-130	
Tetrachloroethene	ug/L	0.50 U	20	20.4	100	70-130	
Toluene	ug/L	0.50 U	20	18.9	94	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	20.8	104	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	17.4	87	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	15.9	80	70-130	
Trichloroethene	ug/L	0.50 U	20	21.9	110	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	27.1	136	70-130	J(M0)
Vinyl acetate	ug/L	1.0 U	20	16.1	81	70-130	
Vinyl chloride	ug/L	0.50 U	20	21.8	109	70-130	
Xylene (Total)	ug/L	0.50 U	60	58.9	98	70-130	
1,2-Dichloroethane-d4 (S)	%				117	86-125	
4-Bromofluorobenzene (S)	%				103	70-114	
Toluene-d8 (S)	%				103	87-113	

SAMPLE DUPLICATE: 1228367

Parameter	Units	35189361001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	

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QUALITY CONTROL DATA

REVIEWED
By Cesar Rodriguez at 10:25 am, Jun 09, 2015

Project: Sarasota Central Landfill
Pace Project No.: 35189048

SAMPLE DUPLICATE: 1228367

Parameter	Units	35189361001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	115	108	6	40	
4-Bromofluorobenzene (S)	%	99	98	1	40	
Toluene-d8 (S)	%	100	101	1	40	

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REVIEWED
By Cesar Rodriguez at 10:25 am, Jun 09, 2015

QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189048

QC Batch: OEXT/22491 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35189048001

METHOD BLANK: 1219808 | Matrix: Water
Associated Lab Samples: 35189048001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	05/21/15 23:20	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	05/21/15 23:20	

LABORATORY CONTROL SAMPLE: 1219809

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.22	88	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.20	80	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1220102 1220103

Parameter	Units	35189051002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0051 U	.44	.44	0.49	0.48	112	110	60-140	1	40	
1,2-Dibromoethane (EDB)	ug/L	0.0064 U	.44	.44	0.45	0.44	103	101	60-140	2	40	

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Ormond Beach, FL 32174
(386)672-5668

REVIEWED
By Cesar Rodriguez at 10:25 am, Jun 09, 2015

QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189048

QC Batch: OEXT/22492 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35189048002, 35189048003

METHOD BLANK: 1219810 | Matrix: Water
Associated Lab Samples: 35189048002, 35189048003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	05/22/15 05:53	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	05/22/15 05:53	

LABORATORY CONTROL SAMPLE: 1219811

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.23	92	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.22	89	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1220100 1220101

Parameter	Units	35189048002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0050 U	.44	.44	0.45	0.48	103	109	60 140	6	40	
1,2-Dibromoethane (EDB)	ug/L	0.0064 U	.44	.44	0.40	0.45	91	102	60-140	11	40	

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REVIEWED
By Cesar Rodriguez at 10:25 am, Jun 09, 2015

QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189048

QC Batch: WET/31013 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35189048001, 35189048002, 35189048003

METHOD BLANK: 1222679 | Matrix: Water
Associated Lab Samples: 35189048001, 35189048002, 35189048003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	05/22/15 21:23	

LABORATORY CONTROL SAMPLE: 1222680

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	302	101	90-110	

SAMPLE DUPLICATE: 1222685

Parameter	Units	35189127001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1520	1590	4	5	

SAMPLE DUPLICATE: 1222686

Parameter	Units	35189127002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1600	1590	1	5	

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REVIEWED
By Cesar Rodriguez at 10:25 am, Jun 09, 2015

QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189048

QC Batch: WETA/46597 — Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 — Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35189048001, 35189048002, 35189048003

METHOD BLANK: 1220119 — Matrix: Water
Associated Lab Samples: 35189048001, 35189048002, 35189048003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	05/21/15 09:59	
Sulfate	mg/L	2.5 U	5.0	05/21/15 09:59	

LABORATORY CONTROL SAMPLE: 1220120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.5	101	90-110	
Sulfate	mg/L	50	49.8	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1220121 — 1220122

Parameter	Units	35189047002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.4 I	50	50	51.4	53.3	94	98	90-110	4	20	
Sulfate	mg/L	3.0 I	50	50	49.8	51.7	93	97	90-110	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1220123 — 1220124

Parameter	Units	35189047010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.3 I	50	50	52.2	52.4	98	98	90-110	0	20	
Sulfate	mg/L	2.5 U	50	50	51.0	51.2	97	98	90-110	1	20	

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REVIEWED
By Cesar Rodriguez at 10:25 am, Jun 09, 2015

QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189048

QC Batch: WETA/46601 | Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 | Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35189048001, 35189048002, 35189048003

METHOD BLANK: 1220141 | Matrix: Water
Associated Lab Samples: 35189048001, 35189048002, 35189048003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	05/21/15 12:00	

LABORATORY CONTROL SAMPLE: 1220142

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	104	90-110	

MATRIX SPIKE SAMPLE: 1220144

Parameter	Units	35189047012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.096	1	1.1	104	90-110	

SAMPLE DUPLICATE: 1220143

Parameter	Units	35189047012 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.096	0.10	5	20	

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REVIEWED
By Cesar Rodriguez at 10:25 am, Jun 09, 2015

QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189048

QC Batch: WETA/46554 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35189048001, 35189048002, 35189048003

METHOD BLANK: 1218565 | Matrix: Water
Associated Lab Samples: 35189048001, 35189048002, 35189048003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	05/20/15 09:01	

SAMPLE DUPLICATE: 1218567

Parameter	Units	35189041001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.025 U		20	

SAMPLE DUPLICATE: 1218569

Parameter	Units	35189047006 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	1.7	1.7	1	20	

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(386)672-5668

QUALIFIERS

Project: Sarasota Central Landfill
Pace Project No.: 35189048

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(L0)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
J(M0)	Estimated Value. Matrix spike recovery was outside laboratory control limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill
Pace Project No.: 35189048

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35189048001	MW-8A		FLD/		
35189048002	MW-9		FLD/		
35189048003	MW-10R		FLD/		
35189048001	MW-8A	EPA 8011	OEXT/22491	EPA 8011	GCSV/14658
35189048002	MW-9	EPA 8011	OEXT/22492	EPA 8011	GCSV/14659
35189048003	MW-10R	EPA 8011	OEXT/22492	EPA 8011	GCSV/14659
35189048001	MW-8A	EPA 3010	MPRP/24439	EPA 6010	ICP/14927
35189048002	MW-9	EPA 3010	MPRP/24439	EPA 6010	ICP/14927
35189048003	MW-10R	EPA 3010	MPRP/24439	EPA 6010	ICP/14927
35189048001	MW-8A	EPA 3010	MPRP/24440	EPA 6020	ICPM/9886
35189048002	MW-9	EPA 3010	MPRP/24440	EPA 6020	ICPM/9886
35189048003	MW-10R	EPA 3010	MPRP/24440	EPA 6020	ICPM/9886
35189048001	MW-8A	EPA 7470	MERP/5805	EPA 7470	MERC/5786
35189048002	MW-9	EPA 7470	MERP/5805	EPA 7470	MERC/5786
35189048003	MW-10R	EPA 7470	MERP/5805	EPA 7470	MERC/5786
35189048001	MW-8A	EPA 8260	MSV/15018		
35189048002	MW-9	EPA 8260	MSV/15018		
35189048003	MW-10R	EPA 8260	MSV/15018		
35189048004	Trip Blank 051915	EPA 8260	MSV/15018		
35189048001	MW-8A	SM 2540C	WET/31013		
35189048002	MW-9	SM 2540C	WET/31013		
35189048003	MW-10R	SM 2540C	WET/31013		
35189048001	MW-8A	EPA 300.0	WETA/46597		
35189048002	MW-9	EPA 300.0	WETA/46597		
35189048003	MW-10R	EPA 300.0	WETA/46597		
35189048001	MW-8A	EPA 350.1	WETA/46601		
35189048002	MW-9	EPA 350.1	WETA/46601		
35189048003	MW-10R	EPA 350.1	WETA/46601		
35189048001	MW-8A	EPA 353.2	WETA/46554		
35189048002	MW-9	EPA 353.2	WETA/46554		
35189048003	MW-10R	EPA 353.2	WETA/46554		

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(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E

Page 1 of 1

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

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services
Address: 1255 T Mabry Carlton Parkway
City Sarasota State Fl. Zip Code 34293
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez
Address:
City State Zip Code
Phone: ( ) 941 650-9834
Fax: ( )

3. Client Project Name:
Central County wells
4. Client Project No.:
No.: 140136
6. Custody Seal No.:
7. Sampled By: Alison Eggleston
8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

14. 15. Preservatives: H C N S C
16. Containers: V V P P P
17.

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M - Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

WO#: 35189048
35189048

Item	9. Sample ID or No.	10. Sample Description	11. Date	12. Time	13. Comp.	Grab	Water (Codes)	Air	Soil	Sludge	Other	8260 VOC's App 1	8011 EDB App 1	Metals App 1 Fe,Mn,Hg,Na, Al	Nutrients App 1	Miscellaneous Inorgs App 1				20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1	21453	MW-8A	5/19/15	1046		X	gw					A,B,C	D,E	F	G	H				F:Metals App1	
2	4509	MW-9	5/19/15	1152		X	gw					A,B,C	D,E	F	G	H				G: Total Ammonia,	
3	4510	MW-10R	5/19/15	1252		X	gw					A,B,C	D,E	F	G	H				I, J: Chloride, Sulfate, TDS	
4						X	gw					A,B,C	D,E	F	G	H				Nitrate	
5	Trip blank		5/19/15			X	gw					A,B,C	D,E	F	G	H					

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Alison Eggleston	5/19/15	1345	Mike	5/19/15	1446
2 Mike	5/19/15	1644	Chelsea Pace	5/19/15	1600
3 Chelsea Pace FLX	5/19/15	2100	Amanda / Pace	5/19/15	2330

FOR LAB USE ONLY
Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.:
Quote No.:

1-2 T-20

Page 33 of 37

PLEASE USE ADAPT

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

001

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: MW-8A	SAMPLE ID: 21453	DATE 5/19/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 16.74	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.4 feet – 16.74 feet) X 0.16 gallons/foot = 0.9 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 17.7	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18.2	PURGING INITIATED AT: 1025	PURGING ENDED AT: 1045	TOTAL VOLUME PURGED (gallons): 1.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1037	1.0	1.0	0.8	17.61	6.25	25.09	1495	0.28	1.56	pale amber	Sheen & sulfur
1041	0.3	1.3	0.8	17.67	6.26	25.06	1526	0.24	1.40	↓	↓
1045	0.3	1.6	0.8	17.75	6.26	25.11	1513	0.23	1.45	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1040	SAMPLING ENDED AT: 1055
PUMP OR TUBING DEPTH IN WELL (feet): 18.2	TUBING MATERIAL CODE: HDPE & S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	—	8260-vocs App. I	APP	200
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	APP	200
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals – App. I	APP	300
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Nutrients – App. I	APP	300
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	300

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

002

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: MW-9	SAMPLE ID: 4509	DATE: 5/19/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches) 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 13.62	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.8 feet – 13.62 feet) X 0.16 gallons/foot = 1.5 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.6	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.6	PURGING INITIATED AT: 1129	PURGING ENDED AT: 1151	TOTAL VOLUME PURGED (gallons): 2.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1143	1.5	1.5	0.11	14.04	6.52	27.96	1863	0.21	1.10	pale yellow/clear	none
1147	0.4	1.9	0.11	14.05	6.52	27.98	1863	0.20	0.55	↓	↓
1151	0.4	2.3	0.11	14.05	6.53	27.98	1863	0.18	0.51	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1152	SAMPLING ENDED AT: 1158
PUMP OR TUBING DEPTH IN WELL (feet): 14.6	TUBING MATERIAL CODE: HDPE FS	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 (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	—	8260-vocs App. I	APP	300
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	APP	300
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals – App. I	APP	400
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Nutrients – App. I	APP	↓
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	↓

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

003

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: MW-10R	SAMPLE ID: 4510	DATE: 5/19/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 20.93	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (30.2 feet – 20.93 feet) X 0.16 gallons/foot = 1.5 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 22	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 22.3	PURGING INITIATED AT: 1222	PURGING ENDED AT: 1251	TOTAL VOLUME PURGED (gallons): 2.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1241	1.5	1.5	0.08	21.83	6.38	26.80	1486	0.15	1.37	pale/med amber	none
1246	0.4	1.9	0.08	21.92	6.40	26.67	1480	0.16	1.67	sheen	↓
1251	0.4	2.3	0.08	21.94	6.40	26.62	1473	0.17	1.09	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1252	SAMPLING ENDED AT: 1302
PUMP OR TUBING DEPTH IN WELL (feet): 22.3	TUBING MATERIAL CODE: HDPE 9.5	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 (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	—	8260-vocs App. I	APP	300
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	APP	300
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals – App. I	APP	300
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Nutrients – App. I	APP	300
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	300

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: August 11, 2014
	Document No.: F-FL-C-007 rev. 06	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: Sarasota **Project #** 35184048

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

Tracking # _____

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

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

Thermometer Used T-200 **Type of Ice:** (Wet) Blue None

Cooler Temperature°C 1.2 **(Visual)** 0.0 **(Correction Factor)** 1.2 **(Actual)**

(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen? ☐ Yes ☐ No

Date and Initials of person examining contents: 5/19/15

Receipt of samples satisfactory: ☐ Yes ☑ No **Rush TAT requested on COC:**

If yes, then all conditions below were met:	If no, then mark box & describe issue (use comments area if necessary):
Chain of Custody Present	☐
Chain of Custody Filled Out	☑ No time for Trip Blank. Used 00.00. 05/19
Relinquished Signature & Sampler Name COC	☐
Samples Arrived within Hold Time	☐
Sufficient Volume	☐
Correct Containers Used	☐
Containers Intact	☐
Sample Labels match COC (sample IDs & date/time of collection)	☐ No Labels: ☐ No Time/Date on Labels: ☐
All containers needing preservation are found to be in compliance with EPA recommendation.	☐
No Headspace in VOA Vials (>6mm):	☐

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ **Date:** 5/20

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

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

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

June 08, 2015

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

RE: Project: Sarasota Central Landfill
Pace Project No.: 35189277

Dear Mr. Rodriquez:
Enclosed are the analytical results for sample(s) received by the laboratory on May 20, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Joe Vondrick
joe.vondrick@pacelabs.com
Project Manager

Enclosures

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

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(386)672-5668

CERTIFICATIONS

Project: Sarasota Central Landfill
Pace Project No.: 35189277

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: Sarasota Central Landfill
Pace Project No.: 35189277

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35189277001	**MW-17**	Water	05/20/15 09:53	05/20/15 16:30
35189277002	**MW-16**	Water	05/20/15 11:10	05/20/15 16:30
35189277003	**MW-15**	Water	05/20/15 12:20	05/20/15 16:30
35189277004	**Equip Blank SUB**	Water	05/20/15 13:00	05/20/15 16:30
35189277005	**Trip Blank 052015**	Water	05/20/15 00:00	05/20/15 16:30

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SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill
Pace Project No.: 35189277

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35189277001	MW-17	EPA 8011	AYF	2	PASI-O
		EPA 6010	CKJ, TAP	17	PASI-O
		EPA 6020	CRT	2	PASI-O
		EPA 7470	TAP	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	CMB	2	PASI-O
		EPA 350.1	BIP	1	PASI-O
		EPA 353.2	KEK	1	PASI-O
35189277002	MW-16	EPA 8011	AYF	2	PASI-O
		EPA 6010	CKJ	17	PASI-O
		EPA 6020	CRT	2	PASI-O
		EPA 7470	TAP	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	CMB	2	PASI-O
		EPA 350.1	BIP	1	PASI-O
		EPA 353.2	KEK	1	PASI-O
35189277003	MW-15	EPA 8011	AYF	2	PASI-O
		EPA 6010	CKJ	18	PASI-O
		EPA 6020	CRT	2	PASI-O
		EPA 7470	TAP	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	CMB	2	PASI-O
		EPA 350.1	BIP	1	PASI-O
		EPA 353.2	KEK	1	PASI-O
35189277004	Equip Blank SUB	EPA 8011	AYF	2	PASI-O
		EPA 6010	CKJ	18	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	TAP	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		EPA 300.0	CMB	2	PASI-O
		EPA 350.1	BIP	1	PASI-O
		EPA 353.2	KEK	1	PASI-O
35189277005	Trip Blank 052015	EPA 8260	SK	48	PASI-O

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189277

Sample: MW-17 **Lab ID: 35189277001** Collected: 05/20/15 09:53 Received: 05/20/15 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.25**	Std. Units			1		05/20/15 09:53		
Field Temperature	**26.81**	deg C			1		05/20/15 09:53		
Field Specific Conductance	**1746**	umhos/cm			1		05/20/15 09:53		
Oxygen, Dissolved	**0.40**	mg/L			1		05/20/15 09:53	7782-44-7	
Turbidity	**2.29**	NTU			1		05/20/15 09:53		
Water Level(NGVD)	**29.11**	feet			1		05/20/15 09:53		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	05/22/15 11:53	05/23/15 04:11	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	05/22/15 11:53	05/23/15 04:11	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**64.1**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:40	7440-38-2	
Barium	**94.5**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:40	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	06/03/15 21:40	06/06/15 23:40	7440-41-7	
Cadmium	**2.5 U**	ug/L	5.0	2.5	5	06/03/15 21:40	06/07/15 17:05	7440-43-9	D3
Chromium	**3.2 I**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:40	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:40	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:40	7440-50-8	
Iron	**94700**	ug/L	40.0	20.0	1	06/03/15 21:40	06/06/15 23:40	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:40	7439-92-1	
Manganese	**7.8**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:40	7439-96-5	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:40	7440-02-0	
Selenium	**10 I**	ug/L	15.0	7.5	1	06/03/15 21:40	06/06/15 23:40	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:40	7440-22-4	
Sodium	**53.0**	mg/L	1.0	0.50	1	06/03/15 21:40	06/06/15 23:40	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:40	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	06/03/15 21:40	06/06/15 23:40	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	06/03/15 21:40	06/05/15 23:40	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	06/03/15 21:40	06/05/15 23:40	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	06/02/15 17:25	06/03/15 11:40	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		06/02/15 13:19	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 13:19	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		06/02/15 13:19	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		06/02/15 13:19	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	74-83-9	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189277

Sample: MW-17 **Lab ID: 35189277001** Collected: 05/20/15 09:53 Received: 05/20/15 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 13:19	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 13:19	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		06/02/15 13:19	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		06/02/15 13:19	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 13:19	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		06/02/15 13:19	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		06/02/15 13:19	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 13:19	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		06/02/15 13:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 13:19	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		06/02/15 13:19	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	127-18-4	
Toluene	**0.56 I**	ug/L	1.0	0.50	1		06/02/15 13:19	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		06/02/15 13:19	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		06/02/15 13:19	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 13:19	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		06/02/15 13:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-114		1		06/02/15 13:19	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	86-125		1		06/02/15 13:19	17060-07-0	
Toluene-d8 (S)	106	%	87-113		1		06/02/15 13:19	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**972**	mg/L	10.0	10.0	1		05/22/15 22:07		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189277

Sample: MW-17 **Lab ID: 35189277001** Collected: 05/20/15 09:53 Received: 05/20/15 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**75.6**	mg/L	10.0	5.0	2		05/23/15 07:08	16887-00-6	
Sulfate	**2.5 U**	mg/L	5.0	2.5	1		05/24/15 07:05	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**32.3**	mg/L	0.25	0.10	5		05/22/15 11:37	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.15 U**	mg/L	0.30	0.15	6		05/21/15 12:34		D3

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189277

Sample: MW-16 **Lab ID: 35189277002** Collected: 05/20/15 11:10 Received: 05/20/15 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.25**	Std. Units			1		05/20/15 11:10		
Field Temperature	**28.77**	deg C			1		05/20/15 11:10		
Field Specific Conductance	**2231**	umhos/cm			1		05/20/15 11:10		
Oxygen, Dissolved	**0.19**	mg/L			1		05/20/15 11:10	7782-44-7	
Turbidity	**2.37**	NTU			1		05/20/15 11:10		
Water Level(NGVD)	**25.50**	feet			1		05/20/15 11:10		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052 U**	ug/L	0.021	0.0052	1	05/22/15 11:53	05/23/15 04:26	96-12-8	
1,2-Dibromoethane (EDB)	**0.0066 U**	ug/L	0.011	0.0066	1	05/22/15 11:53	05/23/15 04:26	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**46.8**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:44	7440-38-2	
Barium	**78.6**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:44	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	06/03/15 21:40	06/06/15 23:44	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	06/03/15 21:40	06/06/15 23:44	7440-43-9	
Chromium	**5.6**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:44	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:44	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:44	7440 50 8	
Iron	**49600**	ug/L	40.0	20.0	1	06/03/15 21:40	06/06/15 23:44	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:44	7439-92-1	
Manganese	**11.6**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:44	7439-96-5	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:44	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	06/03/15 21:40	06/06/15 23:44	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:44	7440-22-4	
Sodium	**186**	mg/L	1.0	0.50	1	06/03/15 21:40	06/06/15 23:44	7440-23-5	
Vanadium	**8.0 I**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:44	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	06/03/15 21:40	06/06/15 23:44	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	06/03/15 21:40	06/05/15 23:43	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	06/03/15 21:40	06/05/15 23:43	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	06/02/15 17:25	06/03/15 11:44	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		06/02/15 14:08	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 14:08	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		06/02/15 14:08	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		06/02/15 14:08	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	74-83-9	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189277

Sample: MW-16 **Lab ID: 35189277002** Collected: 05/20/15 11:10 Received: 05/20/15 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 14:08	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 14:08	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		06/02/15 14:08	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		06/02/15 14:08	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 14:08	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		06/02/15 14:08	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		06/02/15 14:08	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 14:08	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		06/02/15 14:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 14:08	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		06/02/15 14:08	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	127-18-4	
Toluene	**0.54 I**	ug/L	1.0	0.50	1		06/02/15 14:08	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		06/02/15 14:08	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		06/02/15 14:08	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:08	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		06/02/15 14:08	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-114		1		06/02/15 14:08	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%	86-125		1		06/02/15 14:08	17060-07-0	
Toluene-d8 (S)	105	%	87-113		1		06/02/15 14:08	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1150**	mg/L	10.0	10.0	1		05/22/15 22:08		J(D6)

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189277

Sample: MW-16 **Lab ID: 35189277002** Collected: 05/20/15 11:10 Received: 05/20/15 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**190**	mg/L	25.0	12.5	5		05/22/15 18:09	16887-00-6	
Sulfate	**2.5 U**	mg/L	5.0	2.5	1		05/24/15 03:53	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**34.5**	mg/L	0.25	0.10	5		05/22/15 11:39	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.050 U**	mg/L	0.10	0.050	2		05/21/15 12:30		D3

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189277

Sample: MW-15 **Lab ID: 35189277003** Collected: 05/20/15 12:20 Received: 05/20/15 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.55**	Std. Units			1		05/20/15 12:20		
Field Temperature	**28.83**	deg C			1		05/20/15 12:20		
Field Specific Conductance	**3261**	umhos/cm			1		05/20/15 12:20		
Oxygen, Dissolved	**0.13**	mg/L			1		05/20/15 12:20	7782-44-7	
Turbidity	**2.51**	NTU			1		05/20/15 12:20		
Water Level(NGVD)	**25.27**	feet			1		05/20/15 12:20		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.021	0.0050	1	05/22/15 11:53	05/23/15 04:41	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	05/22/15 11:53	05/23/15 04:41	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**49.0**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:49	7440-38-2	
Barium	**202**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:49	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	06/03/15 21:40	06/06/15 23:49	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	06/03/15 21:40	06/06/15 23:49	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:49	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:49	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:49	7440-50-8	
Iron	**70200**	ug/L	40.0	20.0	1	06/03/15 21:40	06/06/15 23:49	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:49	7439-92-1	
Manganese	**385**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:49	7439-96-5	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:49	7440-02-0	
Potassium	**11.2**	mg/L	1.0	0.50	1	06/03/15 21:40	06/06/15 23:49	7440-09-7	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	06/03/15 21:40	06/06/15 23:49	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:49	7440-22-4	
Sodium	**75.7**	mg/L	1.0	0.50	1	06/03/15 21:40	06/06/15 23:49	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:49	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	06/03/15 21:40	06/06/15 23:49	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	06/03/15 21:40	06/05/15 23:47	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	06/03/15 21:40	06/05/15 23:47	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	06/02/15 17:25	06/03/15 11:46	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		06/02/15 14:32	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 14:32	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		06/02/15 14:32	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		06/02/15 14:32	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	75-25-2	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189277

Sample: MW-15 **Lab ID: 35189277003** Collected: 05/20/15 12:20 Received: 05/20/15 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 14:32	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 14:32	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		06/02/15 14:32	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		06/02/15 14:32	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 14:32	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		06/02/15 14:32	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		06/02/15 14:32	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 14:32	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		06/02/15 14:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 14:32	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		06/02/15 14:32	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		06/02/15 14:32	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		06/02/15 14:32	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:32	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		06/02/15 14:32	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-114		1		06/02/15 14:32	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	86-125		1		06/02/15 14:32	17060-07-0	
Toluene-d8 (S)	105	%	87-113		1		06/02/15 14:32	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1970**	mg/L	20.0	20.0	1		05/22/15 22:08		

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189277

Sample: MW-15 **Lab ID: 35189277003** Collected: 05/20/15 12:20 Received: 05/20/15 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**153**	mg/L	50.0	25.0	10		05/22/15 18:31	16887-00-6	
Sulfate	**2.5 U**	mg/L	5.0	2.5	1		05/24/15 04:15	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**16.5**	mg/L	0.050	0.020	1		05/22/15 11:33	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.050 U**	mg/L	0.10	0.050	2		05/21/15 12:32		D3

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189277

Sample: Equip Blank SUB **Lab ID: 35189277004** Collected: 05/20/15 13:00 Received: 05/20/15 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	05/22/15 11:53	05/23/15 04:57	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	05/22/15 11:53	05/23/15 04:57	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:53	7440-38-2	
Barium	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:53	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	06/03/15 21:40	06/06/15 23:53	7440-41-7	
Cadmium	**0.59 I**	ug/L	1.0	0.50	1	06/03/15 21:40	06/06/15 23:53	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:53	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:53	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:53	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	06/03/15 21:40	06/06/15 23:53	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:53	7439-92-1	
Manganese	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:53	7439-96-5	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:53	7440-02-0	
Potassium	**0.50 U**	mg/L	1.0	0.50	1	06/03/15 21:40	06/06/15 23:53	7440-09-7	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	06/03/15 21:40	06/06/15 23:53	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 21:40	06/06/15 23:53	7440-22-4	
Sodium	**0.50 U**	mg/L	1.0	0.50	1	06/03/15 21:40	06/06/15 23:53	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 21:40	06/06/15 23:53	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	06/03/15 21:40	06/06/15 23:53	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Aluminum	**13.3**	ug/L	10.0	5.3	1	06/03/15 21:40	06/06/15 17:27	7429-90-5	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	06/03/15 21:40	06/06/15 17:27	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	06/02/15 17:25	06/03/15 11:53	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		06/02/15 14:57	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 14:57	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		06/02/15 14:57	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		06/02/15 14:57	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 14:57	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 14:57	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		06/02/15 14:57	74-87-3	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189277

Sample: Equip Blank SUB **Lab ID: 35189277004** Collected: 05/20/15 13:00 Received: 05/20/15 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		06/02/15 14:57	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 14:57	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		06/02/15 14:57	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		06/02/15 14:57	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 14:57	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		06/02/15 14:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 14:57	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		06/02/15 14:57	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		06/02/15 14:57	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		06/02/15 14:57	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 14:57	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		06/02/15 14:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-114		1		06/02/15 14:57	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	86-125		1		06/02/15 14:57	17060-07-0	
Toluene-d8 (S)	104	%	87-113		1		06/02/15 14:57	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**5.0 U**	mg/L	5.0	5.0	1		05/22/15 22:09		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		05/22/15 18:53	16887-00-6	
Sulfate	**2.5 U**	mg/L	5.0	2.5	1		05/22/15 18:53	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		05/22/15 11:35	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189277

Sample: Equip Blank SUB **Lab ID: 35189277004** Collected: 05/20/15 13:00 Received: 05/20/15 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		05/21/15 11:39		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189277

Sample: Trip Blank 052015 **Lab ID: 35189277005** Collected: 05/20/15 00:00 Received: 05/20/15 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		06/02/15 15:21	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 15:21	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		06/02/15 15:21	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		06/02/15 15:21	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 15:21	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 15:21	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		06/02/15 15:21	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		06/02/15 15:21	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 15:21	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		06/02/15 15:21	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		06/02/15 15:21	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 15:21	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		06/02/15 15:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 15:21	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		06/02/15 15:21	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		06/02/15 15:21	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		06/02/15 15:21	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 15:21	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		06/02/15 15:21	1330-20-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35189277

Sample: Trip Blank 052015 **Lab ID: 35189277005** Collected: 05/20/15 00:00 Received: 05/20/15 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-114		1		06/02/15 15:21	460-00-4	
1,2-Dichloroethane-d4 (S)	118	%	86-125		1		06/02/15 15:21	17060-07-0	
Toluene-d8 (S)	105	%	87-113		1		06/02/15 15:21	2037-26-5	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189277

QC Batch: MERP/5806 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35189277001, 35189277002, 35189277003, 35189277004

METHOD BLANK: 1230040 Matrix: Water
Associated Lab Samples: 35189277001, 35189277002, 35189277003, 35189277004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	06/03/15 11:29	

LABORATORY CONTROL SAMPLE: 1230041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.2	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1230042 1230043

Parameter	Units	35189047012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	2.1	2.2	105	109	75-125	4	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189277

QC Batch: MPRP/24512 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35189277001, 35189277002, 35189277003, 35189277004

METHOD BLANK: 1231593 Matrix: Water
Associated Lab Samples: 35189277001, 35189277002, 35189277003, 35189277004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	06/06/15 21:58	
Barium	ug/L	5.0 U	10.0	06/06/15 21:58	
Beryllium	ug/L	0.50 U	1.0	06/06/15 21:58	
Cadmium	ug/L	0.50 U	1.0	06/06/15 21:58	
Chromium	ug/L	2.5 U	5.0	06/06/15 21:58	
Cobalt	ug/L	5.0 U	10.0	06/06/15 21:58	
Copper	ug/L	2.5 U	5.0	06/06/15 21:58	
Iron	ug/L	20.0 U	40.0	06/06/15 21:58	
Lead	ug/L	5.0 U	10.0	06/06/15 21:58	
Manganese	ug/L	2.5 U	5.0	06/06/15 21:58	
Nickel	ug/L	2.5 U	5.0	06/06/15 21:58	
Potassium	mg/L	0.50 U	1.0	06/06/15 21:58	
Selenium	ug/L	7.5 U	15.0	06/06/15 21:58	
Silver	ug/L	2.5 U	5.0	06/06/15 21:58	
Sodium	mg/L	0.50 U	1.0	06/06/15 21:58	
Vanadium	ug/L	5.0 U	10.0	06/06/15 21:58	
Zinc	ug/L	10.0 U	20.0	06/06/15 21:58	

LABORATORY CONTROL SAMPLE: 1231594

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	241	97	80-120	
Barium	ug/L	250	249	100	80-120	
Beryllium	ug/L	25	24.9	100	80-120	
Cadmium	ug/L	25	25.6	102	80-120	
Chromium	ug/L	250	247	99	80-120	
Cobalt	ug/L	250	257	103	80-120	
Copper	ug/L	250	244	98	80-120	
Iron	ug/L	2500	2650	106	80-120	
Lead	ug/L	250	256	102	80-120	
Manganese	ug/L	250	249	99	80-120	
Nickel	ug/L	250	252	101	80-120	
Potassium	mg/L	12.5	11.3	91	80-120	
Selenium	ug/L	250	241	96	80-120	
Silver	ug/L	25	24.2	97	80-120	
Sodium	mg/L	12.5	11.6	93	80-120	
Vanadium	ug/L	250	251	100	80-120	
Zinc	ug/L	1250	1250	100	80-120	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189277

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1231595 1231596

Parameter	Units	35189047002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	5.0 U	250	250	242	241	97	96	75-125	0	20	
Barium	ug/L	5.0 U	250	250	250	247	99	98	75-125	1	20	
Beryllium	ug/L	0.50 U	25	25	25.2	24.6	100	98	75-125	2	20	
Cadmium	ug/L	0.50 U	25	25	25.5	25.2	101	100	75-125	1	20	
Chromium	ug/L	3.1 I	250	250	251	247	99	97	75-125	2	20	
Cobalt	ug/L	5.0 U	250	250	253	251	101	100	75-125	1	20	
Copper	ug/L	2.5 U	250	250	248	242	99	97	75-125	3	20	
Iron	ug/L	25.7 I	2500	2500	2680	2630	106	104	75-125	2	20	
Lead	ug/L	5.0 U	250	250	255	253	101	101	75-125	1	20	
Manganese	ug/L	2.5 U	250	250	250	244	99	97	75-125	2	20	
Nickel	ug/L	2.5 U	250	250	251	246	100	98	75-125	2	20	
Potassium	mg/L	500 U ug/L	12.5	12.5	11.5	11.4	92	91	75-125	1	20	
Selenium	ug/L	7.5 U	250	250	246	241	97	95	75-125	2	20	
Silver	ug/L	2.5 U	25	25	24.8	24.4	99	97	75-125	1	20	
Sodium	mg/L	2.9	12.5	12.5	14.6	14.5	93	92	75-125	0	20	
Vanadium	ug/L	5.0 U	250	250	255	249	101	99	75-125	2	20	
Zinc	ug/L	10.0 U	1250	1250	1260	1240	101	99	75-125	2	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189277

QC Batch: MPRP/24513 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35189277001, 35189277002, 35189277003, 35189277004

METHOD BLANK: 1231598 Matrix: Water
Associated Lab Samples: 35189277001, 35189277002, 35189277003, 35189277004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	06/06/15 16:38	
Thallium	ug/L	0.50 U	1.0	06/06/15 16:38	

LABORATORY CONTROL SAMPLE: 1231599

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	48.1	96	80-120	
Thallium	ug/L	50	51.7	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1231600 1231601

Parameter	Units	35189047003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	51.0	52.5	102	105	75-125	3	20	
Thallium	ug/L	0.50 U	50	50	50.4	51.4	101	103	75-125	2	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189277

QC Batch: MSV/15050 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35189277001, 35189277002, 35189277003, 35189277004, 35189277005

METHOD BLANK: 1230007 Matrix: Water
Associated Lab Samples: 35189277001, 35189277002, 35189277003, 35189277004, 35189277005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	06/02/15 11:16	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	06/02/15 11:16	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	06/02/15 11:16	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	06/02/15 11:16	
1,1-Dichloroethane	ug/L	0.50 U	1.0	06/02/15 11:16	
1,1-Dichloroethene	ug/L	0.50 U	1.0	06/02/15 11:16	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	06/02/15 11:16	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	06/02/15 11:16	
1,2-Dichloroethane	ug/L	0.50 U	1.0	06/02/15 11:16	
1,2-Dichloropropane	ug/L	0.50 U	1.0	06/02/15 11:16	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	06/02/15 11:16	
2-Butanone (MEK)	ug/L	5.0 U	10.0	06/02/15 11:16	
2-Hexanone	ug/L	5.0 U	10.0	06/02/15 11:16	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	06/02/15 11:16	
Acetone	ug/L	10.0 U	20.0	06/02/15 11:16	
Acrylonitrile	ug/L	5.0 U	10.0	06/02/15 11:16	
Benzene	ug/L	0.10 U	1.0	06/02/15 11:16	
Bromochloromethane	ug/L	0.50 U	1.0	06/02/15 11:16	
Bromodichloromethane	ug/L	0.27 U	0.60	06/02/15 11:16	
Bromoform	ug/L	0.50 U	1.0	06/02/15 11:16	
Bromomethane	ug/L	0.50 U	1.0	06/02/15 11:16	
Carbon disulfide	ug/L	5.0 U	10.0	06/02/15 11:16	
Carbon tetrachloride	ug/L	0.50 U	1.0	06/02/15 11:16	
Chlorobenzene	ug/L	0.50 U	1.0	06/02/15 11:16	
Chloroethane	ug/L	0.50 U	1.0	06/02/15 11:16	
Chloroform	ug/L	0.50 U	1.0	06/02/15 11:16	
Chloromethane	ug/L	0.62 U	1.0	06/02/15 11:16	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	06/02/15 11:16	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	06/02/15 11:16	
Dibromochloromethane	ug/L	0.26 U	0.50	06/02/15 11:16	
Dibromomethane	ug/L	0.50 U	1.0	06/02/15 11:16	
Ethylbenzene	ug/L	0.50 U	1.0	06/02/15 11:16	
Iodomethane	ug/L	0.50 U	1.0	06/02/15 11:16	
Methylene Chloride	ug/L	2.5 U	5.0	06/02/15 11:16	
Styrene	ug/L	0.50 U	1.0	06/02/15 11:16	
Tetrachloroethene	ug/L	0.50 U	1.0	06/02/15 11:16	
Toluene	ug/L	0.50 U	1.0	06/02/15 11:16	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	06/02/15 11:16	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	06/02/15 11:16	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	06/02/15 11:16	
Trichloroethene	ug/L	0.50 U	1.0	06/02/15 11:16	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189277

METHOD BLANK: 1230007 Matrix: Water
Associated Lab Samples: 35189277001, 35189277002, 35189277003, 35189277004, 35189277005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	06/02/15 11:16	
Vinyl acetate	ug/L	1.0 U	2.0	06/02/15 11:16	
Vinyl chloride	ug/L	0.50 U	1.0	06/02/15 11:16	
Xylene (Total)	ug/L	0.50 U	3.0	06/02/15 11:16	
1,2-Dichloroethane-d4 (S)	%	104	86-125	06/02/15 11:16	
4-Bromofluorobenzene (S)	%	91	70-114	06/02/15 11:16	
Toluene-d8 (S)	%	105	87-113	06/02/15 11:16	

LABORATORY CONTROL SAMPLE: 1230008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.7	93	70-130	
1,1,1-Trichloroethane	ug/L	20	22.5	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.4	97	70-130	
1,1,2-Trichloroethane	ug/L	20	18.9	95	70-130	
1,1-Dichloroethane	ug/L	20	21.1	105	70-130	
1,1-Dichloroethene	ug/L	20	21.3	106	70-130	
1,2,3-Trichloropropane	ug/L	20	20.1	101	70-130	
1,2-Dichlorobenzene	ug/L	20	19.3	97	70-130	
1,2-Dichloroethane	ug/L	20	21.3	106	70-130	
1,2-Dichloropropane	ug/L	20	22.3	111	70-130	
1,4-Dichlorobenzene	ug/L	20	19.3	96	70-130	
2-Butanone (MEK)	ug/L	40	49.8	125	55-167	
2-Hexanone	ug/L	40	44.0	110	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	44.9	112	70-130	
Acetone	ug/L	40	49.0	122	40-150	
Acrylonitrile	ug/L	200	222	111	70-130	
Benzene	ug/L	20	22.8	114	70-130	
Bromochloromethane	ug/L	20	21.0	105	70-130	
Bromodichloromethane	ug/L	20	22.2	111	70-130	
Bromoform	ug/L	20	18.8	94	68-130	
Bromomethane	ug/L	20	17.9	89	38-179	
Carbon disulfide	ug/L	20	18.6	93	51-155	
Carbon tetrachloride	ug/L	20	21.3	107	70-130	
Chlorobenzene	ug/L	20	19.9	100	70-130	
Chloroethane	ug/L	20	22.5	113	59-149	
Chloroform	ug/L	20	21.7	108	70-130	
Chloromethane	ug/L	20	21.2	106	68-130	
cis-1,2-Dichloroethene	ug/L	20	22.3	112	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.4	107	70-130	
Dibromochloromethane	ug/L	20	19.4	97	70-130	
Dibromomethane	ug/L	20	21.1	106	70-130	
Ethylbenzene	ug/L	20	20.4	102	70-130	
Iodomethane	ug/L	40	44.4	111	43-160	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189277

LABORATORY CONTROL SAMPLE: 1230008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	19.6	98	70-130	
Styrene	ug/L	20	18.4	92	70-130	
Tetrachloroethene	ug/L	20	20.0	100	66-133	
Toluene	ug/L	20	19.8	99	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.5	108	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.9	94	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	17.1	86	65-130	
Trichloroethene	ug/L	20	21.6	108	70-130	
Trichlorofluoromethane	ug/L	20	23.5	117	70-131	
Vinyl acetate	ug/L	20	25.6	128	69-135	
Vinyl chloride	ug/L	20	21.1	106	69-140	
Xylene (Total)	ug/L	60	56.2	94	70-130	
1,2-Dichloroethane-d4 (S)	%			97	86-125	
4-Bromofluorobenzene (S)	%			99	70-114	
Toluene-d8 (S)	%			106	87-113	

MATRIX SPIKE SAMPLE: 1230015

Parameter	Units	35189277002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	17.8	89	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	22.9	114	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	17.7	89	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	18.1	91	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	20.0	100	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	21.1	105	70-130	
1,2,3-Trichloropropane	ug/L	0.59 U	20	18.6	93	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	17.9	90	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	20.5	102	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	20.5	103	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	18.1	91	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	39.7	99	70-130	
2-Hexanone	ug/L	5.0 U	40	38.4	96	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	38.1	95	70-130	
Acetone	ug/L	10.0 U	40	41.6	104	70-130	
Acrylonitrile	ug/L	5.0 U	200	175	87	70-130	
Benzene	ug/L	0.10 U	20	21.7	109	70-130	
Bromochloromethane	ug/L	0.50 U	20	21.3	107	70-130	
Bromodichloromethane	ug/L	0.27 U	20	21.0	105	70-130	
Bromoform	ug/L	0.50 U	20	17.2	86	70-130	
Bromomethane	ug/L	0.50 U	20	17.5	87	70-130	
Carbon disulfide	ug/L	5.0 U	20	19.1	93	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	23.2	116	70-130	
Chlorobenzene	ug/L	0.50 U	20	19.3	97	70-130	
Chloroethane	ug/L	0.50 U	20	21.7	108	70-130	
Chloroform	ug/L	0.50 U	20	21.8	109	70-130	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189277

MATRIX SPIKE SAMPLE: 1230015

Parameter	Units	35189277002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	18.0	90	70-130	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	20.1	101	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	17.1	85	70-130	
Dibromochloromethane	ug/L	0.26 U	20	17.7	88	70-130	
Dibromomethane	ug/L	0.50 U	20	20.2	101	70-130	
Ethylbenzene	ug/L	0.50 U	20	19.7	98	70-130	
Iodomethane	ug/L	0.50 U	40	38.3	96	70-130	
Methylene Chloride	ug/L	2.5 U	20	19.0	95	70-130	
Styrene	ug/L	0.50 U	20	17.2	86	70-130	
Tetrachloroethene	ug/L	0.50 U	20	19.8	99	70-130	
Toluene	ug/L	0.54 I	20	19.5	95	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	20.4	102	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	16.5	82	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	16.0	80	70-130	
Trichloroethene	ug/L	0.50 U	20	22.5	113	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	24.5	123	70-130	
Vinyl acetate	ug/L	1.0 U	20	20.9	104	70-130	
Vinyl chloride	ug/L	0.50 U	20	20.3	101	70-130	
Xylene (Total)	ug/L	0.50 U	60	53.3	89	70-130	
1,2-Dichloroethane-d4 (S)	%				98	86-125	
4-Bromofluorobenzene (S)	%				97	70-114	
Toluene-d8 (S)	%				105	87-113	

SAMPLE DUPLICATE: 1230014

Parameter	Units	35189277001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189277

SAMPLE DUPLICATE: 1230014

Parameter	Units	35189277001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.56 I	0.67 I		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	112	112	0	40	
4-Bromofluorobenzene (S)	%	98	94	4	40	
Toluene-d8 (S)	%	106	108	2	40	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189277

QC Batch: OEXT/22522 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35189277001, 35189277002, 35189277003, 35189277004

METHOD BLANK: 1221603 Matrix: Water
Associated Lab Samples: 35189277001, 35189277002, 35189277003, 35189277004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	05/22/15 23:52	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	05/22/15 23:52	

LABORATORY CONTROL SAMPLE: 1221604

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.22	89	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.21	84	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1221619 1221620

Parameter	Units	35189361001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2 Dibromo 3 chloropropane	ug/L	0.0053 U	.44	.44	0.57	0.47	129	107	60-140	19	40	
1,2-Dibromoethane (EDB)	ug/L	0.0067 U	.44	.44	0.51	0.45	117	103	60-140	13	40	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189277

QC Batch: WET/31014 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35189277001, 35189277002, 35189277003, 35189277004

METHOD BLANK: 1222681 Matrix: Water
Associated Lab Samples: 35189277001, 35189277002, 35189277003, 35189277004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	05/22/15 22:03	

LABORATORY CONTROL SAMPLE: 1222682

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	296	99	90-110	

SAMPLE DUPLICATE: 1222687

Parameter	Units	35189277001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	972	1000	3	5	

SAMPLE DUPLICATE: 1222688

Parameter	Units	35189277002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1150	1230	7	5	J(D6)

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189277

QC Batch: WETA/46645 | Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 | Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35189277001

METHOD BLANK: 1221908 | Matrix: Water
Associated Lab Samples: 35189277001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	05/22/15 22:25	
Sulfate	mg/L	2.5 U	5.0	05/22/15 22:25	

LABORATORY CONTROL SAMPLE: 1221909

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.3	101	90-110	
Sulfate	mg/L	50	49.5	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1221910 1221911

Parameter	Units	35189253001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	31.4	50	50	81.2	81.0	100	99	90-110	0	20	
Sulfate	mg/L	2.9 I	50	50	51.9	51.8	98	98	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1221912 1221913

Parameter	Units	35189268010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	84.4	50	50	134	135	100	101	90-110	0	20	
Sulfate	mg/L	2.5 U	50	50	51.5	52.0	99	100	90-110	1	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189277

QC Batch: WETA/46659 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35189277002, 35189277003, 35189277004

METHOD BLANK: 1222176 Matrix: Water
Associated Lab Samples: 35189277002, 35189277003, 35189277004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	05/22/15 14:49	
Sulfate	mg/L	2.5 U	5.0	05/22/15 14:49	

LABORATORY CONTROL SAMPLE: 1222177

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.7	95	90-110	
Sulfate	mg/L	50	47.4	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1222178 1222179

Parameter	Units	35189217001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	41.9	50	50	94.2	94.2	105	104	90-110	0	20	
Sulfate	mg/L	2.6 I	50	50	48.0	48.1	91	91	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1222180 1222181

Parameter	Units	35189281003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	9.7	50	50	59.9	60.0	101	101	90-110	0	20	
Sulfate	mg/L	3.3 I	50	50	50.0	50.0	93	93	90-110	0	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189277

QC Batch: WETA/46639 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35189277001, 35189277002, 35189277003, 35189277004

METHOD BLANK: 1221705 Matrix: Water
Associated Lab Samples: 35189277001, 35189277002, 35189277003, 35189277004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	05/22/15 11:32	

LABORATORY CONTROL SAMPLE: 1221706

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	106	90-110	

MATRIX SPIKE SAMPLE: 1221708

Parameter	Units	35189268006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	28.3	5	32.9	92	90-110	

SAMPLE DUPLICATE: 1221707

Parameter	Units	35189268006 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	28.3	28.2	0	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189277

QC Batch: WETA/46595 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35189277001, 35189277002, 35189277003

METHOD BLANK: 1220063 | Matrix: Water
Associated Lab Samples: 35189277001, 35189277002, 35189277003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	05/21/15 10:56	

SAMPLE DUPLICATE: 1220065

Parameter	Units	35189266001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.54	0.54	0	20	

SAMPLE DUPLICATE: 1220067

Parameter	Units	35189268010 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.025 U		20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill
Pace Project No.: 35189277

QC Batch: WETA/46596 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35189277004

METHOD BLANK: 1220069 | Matrix: Water
Associated Lab Samples: 35189277004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	05/21/15 11:34	

SAMPLE DUPLICATE: 1220071

Parameter	Units	35189277004 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.025 U		20	

SAMPLE DUPLICATE: 1220073

Parameter	Units	35189282001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	2.0	2.0	0	20	

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QUALIFIERS

Project: Sarasota Central Landfill
Pace Project No.: 35189277

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill
Pace Project No.: 35189277

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35189277001	MW-17		FLD/		
35189277002	MW-16		FLD/		
35189277003	MW-15		FLD/		
35189277001	MW-17	EPA 8011	OEXT/22522	EPA 8011	GCSV/14673
35189277002	MW-16	EPA 8011	OEXT/22522	EPA 8011	GCSV/14673
35189277003	MW-15	EPA 8011	OEXT/22522	EPA 8011	GCSV/14673
35189277004	Equip Blank SUB	EPA 8011	OEXT/22522	EPA 8011	GCSV/14673
35189277001	MW-17	EPA 3010	MPRP/24512	EPA 6010	ICP/14974
35189277002	MW-16	EPA 3010	MPRP/24512	EPA 6010	ICP/14974
35189277003	MW-15	EPA 3010	MPRP/24512	EPA 6010	ICP/14974
35189277004	Equip Blank SUB	EPA 3010	MPRP/24512	EPA 6010	ICP/14974
35189277001	MW-17	EPA 3010	MPRP/24513	EPA 6020	ICPM/9925
35189277002	MW-16	EPA 3010	MPRP/24513	EPA 6020	ICPM/9925
35189277003	MW-15	EPA 3010	MPRP/24513	EPA 6020	ICPM/9925
35189277004	Equip Blank SUB	EPA 3010	MPRP/24513	EPA 6020	ICPM/9925
35189277001	MW-17	EPA 7470	MERP/5806	EPA 7470	MERC/5787
35189277002	MW-16	EPA 7470	MERP/5806	EPA 7470	MERC/5787
35189277003	MW-15	EPA 7470	MERP/5806	EPA 7470	MERC/5787
35189277004	Equip Blank SUB	EPA 7470	MERP/5806	EPA 7470	MERC/5787
35189277001	MW-17	EPA 8260	MSV/15050		
35189277002	MW-16	EPA 8260	MSV/15050		
35189277003	MW-15	EPA 8260	MSV/15050		
35189277004	Equip Blank SUB	EPA 8260	MSV/15050		
35189277005	Trip Blank 052015	EPA 8260	MSV/15050		
35189277001	MW-17	SM 2540C	WET/31014		
35189277002	MW-16	SM 2540C	WET/31014		
35189277003	MW-15	SM 2540C	WET/31014		
35189277004	Equip Blank SUB	SM 2540C	WET/31014		
35189277001	MW-17	EPA 300.0	WETA/46645		
35189277002	MW-16	EPA 300.0	WETA/46659		
35189277003	MW-15	EPA 300.0	WETA/46659		
35189277004	Equip Blank SUB	EPA 300.0	WETA/46659		
35189277001	MW-17	EPA 350.1	WETA/46639		
35189277002	MW-16	EPA 350.1	WETA/46639		
35189277003	MW-15	EPA 350.1	WETA/46639		
35189277004	Equip Blank SUB	EPA 350.1	WETA/46639		
35189277001	MW-17	EPA 353.2	WETA/46595		
35189277002	MW-16	EPA 353.2	WETA/46595		
35189277003	MW-15	EPA 353.2	WETA/46595		
35189277004	Equip Blank SUB	EPA 353.2	WETA/46596		

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PACE
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668 ● FAX (386)673-4001
(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E

Page 1 of 1

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

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services
Address: 1255 T Mabry Carlton Parkway
City Sarasota State Fl. Zip Code 34293
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez
Address:
City State Zip Code
Phone: ( ) 941 650-9834
Fax: ( )

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

3. Client Project Name:
Central County wells
4. Client Project No.:
No.: 140136
6. Custody Seal No.:
7. Sampled By: Alison Eggleston
8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

14.	H	C	N	S	C			
15. Preservatives	H	C	N	S	C			
16. Containers	V	V	P	P	P			

17. WO#: 35189277
35189277

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	12. Time	Comp.	Grab	13. Water (Codes)	Air	Soil	Sludge	Other	8260 VOC's App I	8011 EDB App I	Metals App I Fe,Mn,Hg,Na, Al	Nutrients App I	Miscellaneous Inorgs App I				20. REMARK	LAB USE ONLY LAB SAMPLE NO.
1	23033	MW-17	5/20/15	0953		X	gw					A,B,C	D,E	F	G	H				F:Metals App1	
2	23032	MW-16	5/20/15	1110		X	gw					A,B,C	D,E	F	G	H				G: Total Ammonia,	
3	23031	MW-15	5/20/15	1220		X	gw					A,B,C	D,E	F	G	H				I, J: Chloride, Sulfate, TDS	
4	Equip	Blank SUB	5/20/15	1300		X	gw					A,B,C	D,E	F	G	H				Nitrate	
5	Trip	Blank	5/20/15			X	gw					A,B,C	D,E	F	G	H					

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Alison Eggleston	5/20/15	1330	Pace	5/20/15	1553
2 Pace	5/20/15	1634	Chelsea Pace	5/20/15	1630
3 Chelsea Pace	5/20/15	2100	FLX		
4 FLX			TDH Pace	5/21/15	0830

FOR LAB USE ONLY
Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.:
Quote No.:

TDOO -08

PLEASE USE ADAPT

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

001

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: MW-17	SAMPLE ID: 23033	DATE: 5/20/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 29.11	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (32.6 feet – 29.11 feet) X 0.16 gallons/foot = 0.6 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30.1	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30.1	PURGING INITIATED AT: 0935	PURGING ENDED AT: 0951	TOTAL VOLUME PURGED (gallons): 1.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0943	0.6	0.6	0.08	<30.1	6.23	26.69	1741	0.57	3.16	Mostly yellow	none
0947	0.3	0.9	0.08	<30.1	6.24	26.84	1744	0.51	2.79	Sheen!	↓
0951	0.3	1.2	0.08	<30.1	6.25	26.81	1746	0.40	2.29	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 0953	SAMPLING ENDED AT: 1002
PUMP OR TUBING DEPTH IN WELL (feet): 30.1	TUBING MATERIAL CODE: HDPE, ~~E S~~	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	—	8260-vocs App. I	~~APP~~ ESP	300
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	~~APP~~ ESP	↓
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals – App. I	APP	↓
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Nutrients – App. I	APP	↓
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	↓

REMARKS: Pump bottom set at ~ 30.1' feet, no air draw so depth to water assumed to be less than 30.1'

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

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

002

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: MW-16	SAMPLE ID: 23032	DATE: 5/20/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25 1/4 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 25.5	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (30.3 feet – 25.5 feet) X 0.16 gallons/foot = 0.8 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1045	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)
1101	0.8	0.8	0.05	<26.5	6.26	28.84	2240	0.26	2.40	med yellow stain	none
1105	0.2	1.0	0.05	<26.5	6.25	28.85	2235	0.22	2.34	↓	↓
1109	0.2	1.2	0.05	<26.5	6.25	28.77	2231	0.19	2.37	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1110	SAMPLING ENDED AT: 1123
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: LDPE	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 (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
A, B, C	3	CG	40 mL	HCl & wet ice	N/A		8260-vocs App. I	~~APP~~ ESP	
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	~~APP~~	
F	1	HDPE	500 mL	HNO3 & wet ice	N/A		Metals – App. I	APP	
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A		Nutrients – App. I	APP	
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP ↓	

REMARKS: Pump bottom set at 26.5', no air drawn so depth to water not greater than 26.5'

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

603

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: MW-15	SAMPLE ID: 23031	DATE: 5/20/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): ~~1/2~~ 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 25.27	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (30.5 feet – 25.27 feet) X 0.16 gallons/foot = 0.8 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26.3	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1155	PURGING ENDED AT: 1219	TOTAL VOLUME PURGED (gallons): 2.4

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1211	0.8	0.8	0.05	<26.3	6.56	28.92	3313	0.18	5.77	Rust amber	none
1215	0.8	~~0.8~~ 1.6	0.05	<26.3	6.55	28.80	3281	0.13	3.78	Sheen	↓
1219	0.8	~~0.8~~ 2.4	0.05	<26.3	6.55	28.83	3261	0.13	2.51	↓	↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S): Alison Eggleston	SAMPLING INITIATED AT: 1220	SAMPLING ENDED AT: 1234
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: LDPE	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 (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A, B, C	3	CG	40 mL	HCl & wet ice	N/A	—	8260-vocs App. I	~~APP~~ ESP	200
D, E	2	CG	40 mL	Wet ice	N/A	N/A	8011-EDB App. I	APP	↓
F	1	HDPE	500 mL	HNO3 & wet ice	N/A	—	Metals – App. I	APP	↓
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Nutrients – App. I	APP	↓
H	1	HDPE	1 L	Wet ice	N/A	N/A	Misc. Inorg. App. I	APP	↓

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

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

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

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: August 11, 2014
	Document No.: F-FL-C-007 rev. 06	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: Sarasota Project # 351894277

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

Tracking # _____

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

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

Date and Initials of person examining contents: 5/21/15 TH

Thermometer Used T200 Type of Ice: (Wet) Blue None

0080

Cooler Temperature °C -0.8 (Visual) 0 (Correction Factor) -0.8 (Actual)

(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen? ☐ Yes ☐ No

Receipt of samples satisfactory: ☑ Yes ☐ No

Rush TAT requested on COC:

If yes, then all conditions below were met:	If no, then mark box & describe issue (use comments area if necessary):
Chain of Custody Present	☐
Chain of Custody Filled Out	☐
Relinquished Signature & Sampler Name COC	☐
Samples Arrived within Hold Time	☐
Sufficient Volume	☐
Correct Containers Used	☐
Containers Intact	☐
Sample Labels match COC (sample IDs & date/time of collection)	☐ No Labels: ☐ No Time/Date on Labels: ☐
All containers needing preservation are found to be in compliance with EPA recommendation.	☐ NWO 15 pH ok 7.
No Headspace in VOA Vials (>6mm):	☐

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Preserved: HNO3
Date/Time: 5/21/15 07:40
Lot #: PME-6824
Preserved by: TDH

Project Manager Review: _____ Date: _____

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

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

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

June 05, 2015

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

RE: Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

Dear Mr. Rodriquez:
Enclosed are the analytical results for sample(s) received by the laboratory on May 21, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

Analysis performed by Benchmark, E84167, identified on the COC and report attached.

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

Sincerely,

Joe Vondrick
joe.vondrick@pacelabs.com
Project Manager

Enclosures

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

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

CERTIFICATIONS

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Asheville Certification IDs
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

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

SAMPLE SUMMARY

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35189530001	**Pond 1**	Water	05/21/15 10:00	05/21/15 16:00
35189530002	**Pond 2**	Water	05/21/15 10:40	05/21/15 16:00
35189530003	**Field Blank 052115**	Water	05/21/15 09:45	05/21/15 16:00
35189530004	**Trip BlanK 052115**	Water	05/21/15 00:00	05/21/15 16:00

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SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35189530001	Pond 1	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	9	PASI-O
		EPA 6020	CRT	8	PASI-O
		EPA 1631E	HVK	1	PASI-A
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		SM 2540D	GPW	1	PASI-O
		SM 5210B	AGS	1	PASI-O
		SM10200	ADC	1	PASI-O
		TKN+NOx Calculation	CLS	1	PASI-O
		EPA 350.1	BIP	2	PASI-O
		EPA 351.2	CLS	1	PASI-O
		EPA 353.2	ADC	2	PASI-O
		EPA 365.4	CLS	1	PASI-O
		EPA 410.4	GPW	1	PASI-O
		SM 5310B	AEM	1	PASI-O
35189530002	Pond 2	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	9	PASI-O
		EPA 6020	CRT	8	PASI-O
		EPA 1631E	HVK	1	PASI-A
		EPA 8260	SK	48	PASI-O
		SM 2540C	WMW	1	PASI-O
		SM 2540D	GPW	1	PASI-O
		SM 5210B	AGS	1	PASI-O
		SM10200	ADC	1	PASI-O
		TKN+NOx Calculation	CLS	1	PASI-O
		EPA 350.1	BIP	2	PASI-O
		EPA 351.2	CLS	1	PASI-O
		EPA 353.2	ADC	2	PASI-O
		EPA 365.4	CLS	1	PASI-O
		EPA 410.4	GPW	1	PASI-O
		SM 5310B	AEM	1	PASI-O
35189530003	Field Blank 052115	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	9	PASI-O
		EPA 6020	CRT	8	PASI-O
		EPA 1631E	HVK	1	PASI-A
		EPA 8260	SK	48	PASI-O

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SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C	WMW	1	PASI-O
		SM 2540D	GPW	1	PASI-O
		SM 5210B	AGS	1	PASI-O
		SM10200	ADC	1	PASI-O
		TKN+NOx Calculation	CLS	1	PASI-O
		EPA 350.1	BIP	1	PASI-O
		EPA 351.2	CLS	1	PASI-O
		EPA 353.2	ADC	2	PASI-O
		EPA 365.4	CLS	1	PASI-O
		EPA 410.4	GPW	1	PASI-O
		SM 5310B	AEM	1	PASI-O
35189530004	**Trip BlanK 052115**	EPA 8260	SK	48	PASI-O

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

Sample: Pond 1 **Lab ID: 35189530001** Collected: 05/21/15 10:00 Received: 05/21/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.96**	Std. Units			1		05/21/15 10:00		
Field Temperature	**28.59**	deg C			1		05/21/15 10:00		
Field Specific Conductance	**458**	umhos/cm			1		05/21/15 10:00		
Oxygen, Dissolved	**3.02**	mg/L			1		05/21/15 10:00	7782-44-7	
Turbidity	**20.2**	NTU			1		05/21/15 10:00		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052 U**	ug/L	0.021	0.0052	1	05/26/15 12:10	05/27/15 05:58	96-12-8	
1,2-Dibromoethane (EDB)	**0.0066 U**	ug/L	0.011	0.0066	1	05/26/15 12:10	05/27/15 05:58	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	**5.0 U**	ug/L	15.0	5.0	1	06/03/15 12:52	06/04/15 23:51	7440-36-0	
Arsenic	**6.8 I**	ug/L	10.0	5.0	1	06/03/15 12:52	06/04/15 23:51	7440-38-2	
Barium	**49.2**	ug/L	10.0	5.0	1	06/03/15 12:52	06/04/15 23:51	7440-39-3	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 12:52	06/04/15 23:51	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 12:52	06/04/15 23:51	7440-48-4	
Iron	**486**	ug/L	40.0	20.0	1	06/03/15 12:52	06/04/15 23:51	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 12:52	06/04/15 23:51	7440-02-0	
Tot Hardness asCaCO3 (SM 2340B	**164**	mg/L	3.2	1.6	1	06/03/15 12:52	06/04/15 23:51		
Vanadium	**11.7**	ug/L	10.0	5.0	1	06/03/15 12:52	06/04/15 23:51	7440-62-2	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Beryllium	**0.050 U**	ug/L	0.10	0.050	1	06/03/15 12:52	06/04/15 15:39	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	06/03/15 12:52	06/04/15 15:39	7440-43-9	
Copper	**1.2**	ug/L	1.0	0.93	1	06/03/15 12:52	06/04/15 15:39	7440-50-8	
Lead	**0.74 I**	ug/L	1.0	0.50	1	06/03/15 12:52	06/04/15 15:39	7439-92-1	
Selenium	**0.75 I**	ug/L	1.0	0.50	1	06/03/15 12:52	06/04/15 15:39	7782-49-2	
Silver	**0.050 U**	ug/L	0.10	0.050	1	06/03/15 12:52	06/04/15 15:39	7440-22-4	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	06/03/15 12:52	06/04/15 15:39	7440-28-0	
Zinc	**13.7**	ug/L	5.0	2.5	1	06/03/15 12:52	06/04/15 15:39	7440-66-6	
1631E Mercury,Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E								
Mercury	**5.10**	ng/L	2.5	1.2	1	05/29/15 12:30	05/29/15 17:58	7439-97-6	D3
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		06/03/15 01:08	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		06/03/15 01:08	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		06/03/15 01:08	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		06/03/15 01:08	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		06/03/15 01:08	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		06/03/15 01:08	75-15-0	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

Sample: Pond 1 **Lab ID: 35189530001** Collected: 05/21/15 10:00 Received: 05/21/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		06/03/15 01:08	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		06/03/15 01:08	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		06/03/15 01:08	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		06/03/15 01:08	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		06/03/15 01:08	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		06/03/15 01:08	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		06/03/15 01:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		06/03/15 01:08	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		06/03/15 01:08	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		06/03/15 01:08	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		06/03/15 01:08	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:08	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		06/03/15 01:08	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-114		1		06/03/15 01:08	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	86-125		1		06/03/15 01:08	17060-07-0	
Toluene-d8 (S)	102	%	87-113		1		06/03/15 01:08	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**358**	mg/L	5.0	5.0	1		05/26/15 10:13		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**28.0**	mg/L	5.0	5.0	1		05/22/15 16:32		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

Sample: Pond 1 **Lab ID: 35189530001** Collected: 05/21/15 10:00 Received: 05/21/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**5.6**	mg/L	2.0	2.0	1	05/22/15 16:17	05/27/15 15:57		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
Chlorophyll a	**46.0**	ug/L	22.7	10.2	1	05/22/15 14:45	05/29/15 15:45		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation								
Total Nitrogen	**1.9**	mg/L	0.50	0.086	1		05/31/15 10:42		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.045 I**	mg/L	0.050	0.020	1		05/26/15 12:04	7664-41-7	
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.050	0.020	1		05/26/15 12:04		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	**1.9**	mg/L	0.50	0.086	1	05/27/15 12:00	05/27/15 18:40	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		05/22/15 10:19		
Nitrogen, NO2 plus NO3	**0.025 U**	mg/L	0.050	0.025	1		05/22/15 10:19		
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
Phosphorus, Total (as P)	**0.25**	mg/L	0.10	0.050	1	05/27/15 12:00	05/27/15 18:40	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4								
Chemical Oxygen Demand	**138**	mg/L	20.0	12.5	1		05/29/15 08:40		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**16.7**	mg/L	1.0	0.50	1		05/24/15 18:17	7440-44-0	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

Sample: Pond 2 **Lab ID: 35189530002** Collected: 05/21/15 10:40 Received: 05/21/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**7.24**	Std. Units			1		05/21/15 10:40		
Field Temperature	**29.51**	deg C			1		05/21/15 10:40		
Field Specific Conductance	**517**	umhos/cm			1		05/21/15 10:40		
Oxygen, Dissolved	**4.39**	mg/L			1		05/21/15 10:40	7782-44-7	
Turbidity	**37.0**	NTU			1		05/21/15 10:40		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052 U**	ug/L	0.021	0.0052	1	05/26/15 12:10	05/27/15 06:13	96-12-8	
1,2-Dibromoethane (EDB)	**0.0066 U**	ug/L	0.011	0.0066	1	05/26/15 12:10	05/27/15 06:13	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	**5.0 U**	ug/L	15.0	5.0	1	06/03/15 12:52	06/05/15 00:03	7440-36-0	
Arsenic	**8.1 I**	ug/L	10.0	5.0	1	06/03/15 12:52	06/05/15 00:03	7440-38-2	
Barium	**16.4**	ug/L	10.0	5.0	1	06/03/15 12:52	06/05/15 00:03	7440-39-3	
Chromium	**2.6 I**	ug/L	5.0	2.5	1	06/03/15 12:52	06/05/15 00:03	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 12:52	06/05/15 00:03	7440-48-4	
Iron	**383**	ug/L	40.0	20.0	1	06/03/15 12:52	06/05/15 00:03	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 12:52	06/05/15 00:03	7440-02-0	
Tot Hardness asCaCO3 (SM 2340B	**169**	mg/L	3.2	1.6	1	06/03/15 12:52	06/05/15 00:03		
Vanadium	**21.0**	ug/L	10.0	5.0	1	06/03/15 12:52	06/05/15 00:03	7440-62-2	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Beryllium	**0.075 I**	ug/L	0.10	0.050	1	06/03/15 12:52	06/04/15 15:52	7440-41-7	
Cadmium	**0.053 I**	ug/L	0.10	0.050	1	06/03/15 12:52	06/04/15 15:52	7440-43-9	
Copper	**0.93 U**	ug/L	1.0	0.93	1	06/03/15 12:52	06/04/15 15:52	7440-50-8	
Lead	**0.91 I**	ug/L	1.0	0.50	1	06/03/15 12:52	06/04/15 15:52	7439-92-1	
Selenium	**0.91 I**	ug/L	1.0	0.50	1	06/03/15 12:52	06/04/15 15:52	7782-49-2	
Silver	**0.050 U**	ug/L	0.10	0.050	1	06/03/15 12:52	06/04/15 15:52	7440-22-4	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	06/03/15 12:52	06/04/15 15:52	7440-28-0	
Zinc	**9.7**	ug/L	5.0	2.5	1	06/03/15 12:52	06/04/15 15:52	7440-66-6	
1631E Mercury,Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E								
Mercury	**5.75**	ng/L	2.5	1.2	1	05/29/15 12:30	05/29/15 17:25	7439-97-6	D3
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		06/03/15 01:32	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		06/03/15 01:32	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		06/03/15 01:32	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		06/03/15 01:32	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		06/03/15 01:32	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		06/03/15 01:32	75-15-0	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

Sample: Pond 2 **Lab ID: 35189530002** Collected: 05/21/15 10:40 Received: 05/21/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		06/03/15 01:32	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		06/03/15 01:32	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		06/03/15 01:32	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		06/03/15 01:32	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		06/03/15 01:32	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		06/03/15 01:32	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		06/03/15 01:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		06/03/15 01:32	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		06/03/15 01:32	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		06/03/15 01:32	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		06/03/15 01:32	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		06/03/15 01:32	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		06/03/15 01:32	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-114		1		06/03/15 01:32	460-00-4	
1,2-Dichloroethane-d4 (S)	119	%	86-125		1		06/03/15 01:32	17060-07-0	
Toluene-d8 (S)	106	%	87-113		1		06/03/15 01:32	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**325**	mg/L	5.0	5.0	1		05/26/15 10:14		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**50.5**	mg/L	9.5	9.5	1		05/22/15 16:32		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

Sample: Pond 2 **Lab ID: 35189530002** Collected: 05/21/15 10:40 Received: 05/21/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**9.4**	mg/L	2.0	2.0	1	05/22/15 16:19	05/27/15 16:01		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
Chlorophyll a	**105**	ug/L	41.7	18.8	1	05/22/15 14:45	05/29/15 15:45		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation								
Total Nitrogen	**2.9**	mg/L	0.50	0.086	1		05/31/15 10:42		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.034 I**	mg/L	0.050	0.020	1		05/26/15 12:49	7664-41-7	
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.050	0.020	1		05/26/15 12:49		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	**2.9**	mg/L	0.50	0.086	1	05/27/15 12:00	05/27/15 18:41	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		05/22/15 10:20		
Nitrogen, NO2 plus NO3	**0.025 U**	mg/L	0.050	0.025	1		05/22/15 10:20		
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
Phosphorus, Total (as P)	**0.92**	mg/L	0.10	0.050	1	05/27/15 12:00	05/27/15 18:41	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4								
Chemical Oxygen Demand	**108**	mg/L	20.0	12.5	1		05/29/15 08:40		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**20.2**	mg/L	1.0	0.50	1		05/24/15 18:32	7440-44-0	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

Sample: Field Blank 052115 **Lab ID: 35189530003** Collected: 05/21/15 09:45 Received: 05/21/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052 U**	ug/L	0.021	0.0052	1	05/26/15 12:10	05/27/15 06:29	96-12-8	
1,2-Dibromoethane (EDB)	**0.0066 U**	ug/L	0.011	0.0066	1	05/26/15 12:10	05/27/15 06:29	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	**5.0 U**	ug/L	15.0	5.0	1	06/03/15 12:52	06/05/15 00:31	7440-36-0	
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 12:52	06/05/15 00:31	7440-38-2	
Barium	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 12:52	06/05/15 00:31	7440-39-3	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 12:52	06/05/15 00:31	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 12:52	06/05/15 00:31	7440-48-4	
Iron	**20.0 U**	ug/L	40.0	20.0	1	06/03/15 12:52	06/05/15 00:31	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 12:52	06/05/15 00:31	7440-02-0	
Tot Hardness asCaCO3 (SM 2340B	**1.6 U**	mg/L	3.2	1.6	1	06/03/15 12:52	06/05/15 00:31		
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	06/03/15 12:52	06/05/15 00:31	7440-62-2	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Beryllium	**0.050 U**	ug/L	0.10	0.050	1	06/03/15 12:52	06/04/15 16:01	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	06/03/15 12:52	06/04/15 16:01	7440-43-9	
Copper	**0.93 U**	ug/L	1.0	0.93	1	06/03/15 12:52	06/04/15 16:01	7440-50-8	
Lead	**0.50 U**	ug/L	1.0	0.50	1	06/03/15 12:52	06/04/15 16:01	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	06/03/15 12:52	06/04/15 16:01	7782-49-2	
Silver	**0.050 U**	ug/L	0.10	0.050	1	06/03/15 12:52	06/04/15 16:01	7440-22-4	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	06/03/15 12:52	06/04/15 16:01	7440-28-0	
Zinc	**2.5 U**	ug/L	5.0	2.5	1	06/03/15 12:52	06/04/15 16:01	7440-66-6	
1631E Mercury,Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E								
Mercury	**0.25 U**	ng/L	0.50	0.25	1	05/29/15 12:30	05/29/15 16:33	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		06/02/15 22:42	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 22:42	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		06/02/15 22:42	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		06/02/15 22:42	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 22:42	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 22:42	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		06/02/15 22:42	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		06/02/15 22:42	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	95-50-1	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

Sample: Field Blank 052115 **Lab ID: 35189530003** Collected: 05/21/15 09:45 Received: 05/21/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 22:42	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		06/02/15 22:42	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		06/02/15 22:42	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 22:42	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		06/02/15 22:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 22:42	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		06/02/15 22:42	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		06/02/15 22:42	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		06/02/15 22:42	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 22:42	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		06/02/15 22:42	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-114		1		06/02/15 22:42	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	86-125		1		06/02/15 22:42	17060-07-0	
Toluene-d8 (S)	105	%	87-113		1		06/02/15 22:42	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**5.0 U**	mg/L	5.0	5.0	1		05/26/15 10:14		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**5.0 U**	mg/L	5.0	5.0	1		05/22/15 16:32		
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**2.0 U**	mg/L	2.0	2.0	1	05/22/15 16:20	05/27/15 16:02		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
Chlorophyll a	**2.2 U**	ug/L	5.0	2.2	1	05/22/15 14:45	05/29/15 15:45		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

Sample: Field Blank 052115 **Lab ID: 35189530003** Collected: 05/21/15 09:45 Received: 05/21/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation								
Total Nitrogen	**0.086 U**	mg/L	0.50	0.086	1		05/31/15 10:42		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		05/26/15 12:51	7664-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	**0.086 U**	mg/L	0.50	0.086	1	05/27/15 12:00	05/27/15 18:43	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		05/22/15 10:21		
Nitrogen, NO2 plus NO3	**0.025 U**	mg/L	0.050	0.025	1		05/22/15 10:21		
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
Phosphorus, Total (as P)	**0.051 I**	mg/L	0.10	0.050	1	05/27/15 12:00	05/27/15 18:43	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4								
Chemical Oxygen Demand	**25.0 U**	mg/L	40.0	25.0	2		06/02/15 08:54		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**0.50 U**	mg/L	1.0	0.50	1		05/23/15 03:44	7440-44-0	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

Sample: Trip BlanK 052115 **Lab ID: 35189530004** Collected: 05/21/15 00:00 Received: 05/21/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		06/02/15 23:06	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 23:06	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		06/02/15 23:06	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		06/02/15 23:06	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 23:06	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 23:06	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		06/02/15 23:06	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		06/02/15 23:06	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 23:06	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		06/02/15 23:06	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		06/02/15 23:06	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 23:06	591-78-6	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		06/02/15 23:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		06/02/15 23:06	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		06/02/15 23:06	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	127-18-4	
Toluene	**0.71 I**	ug/L	1.0	0.50	1		06/02/15 23:06	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		06/02/15 23:06	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		06/02/15 23:06	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		06/02/15 23:06	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		06/02/15 23:06	1330-20-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

Sample: Trip BlanK 052115 **Lab ID: 35189530004** Collected: 05/21/15 00:00 Received: 05/21/15 16:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-114		1		06/02/15 23:06	460-00-4	
1,2-Dichloroethane-d4 (S)	117	%	86-125		1		06/02/15 23:06	17060-07-0	
Toluene-d8 (S)	108	%	87-113		1		06/02/15 23:06	2037-26-5	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

QC Batch: MERP/7868 Analysis Method: EPA 1631E
QC Batch Method: EPA 1631E Analysis Description: 1631E Mercury,Low Level
Associated Lab Samples: 35189530001, 35189530002, 35189530003

METHOD BLANK: 1470491 Matrix: Water
Associated Lab Samples: 35189530001, 35189530002, 35189530003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	0.25 U	0.50	05/29/15 13:29	

METHOD BLANK: 1470492 Matrix: Water
Associated Lab Samples: 35189530001, 35189530002, 35189530003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	0.25 U	0.50	05/29/15 15:16	

METHOD BLANK: 1470493 Matrix: Water
Associated Lab Samples: 35189530001, 35189530002, 35189530003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ng/L	0.25 U	0.50	05/29/15 18:21	

LABORATORY CONTROL SAMPLE: 1470494

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ng/L	5	4.90	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1470495 1470496

Parameter	Units	35189540001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ng/L	0.0329 ug/L	25	25	57.3	53.2	98	81	71-125	7	24	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1470497 1470498

Parameter	Units	92251617002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ng/L	12.0	25	25	36.5	33.1	98	84	71-125	10	24	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

QC Batch: MPRP/24489 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35189530001, 35189530002, 35189530003

METHOD BLANK: 1230890 Matrix: Water
Associated Lab Samples: 35189530001, 35189530002, 35189530003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	5.0 U	15.0	06/04/15 23:43	
Arsenic	ug/L	5.0 U	10.0	06/04/15 23:43	
Barium	ug/L	5.0 U	10.0	06/04/15 23:43	
Chromium	ug/L	2.5 U	5.0	06/04/15 23:43	
Cobalt	ug/L	5.0 U	10.0	06/04/15 23:43	
Iron	ug/L	20.0 U	40.0	06/04/15 23:43	
Nickel	ug/L	2.5 U	5.0	06/04/15 23:43	
Tot Hardness asCaCO3 (SM 2340B	mg/L	1.6 U	3.2	06/04/15 23:43	
Vanadium	ug/L	5.0 U	10.0	06/04/15 23:43	

LABORATORY CONTROL SAMPLE: 1230891

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	250	254	102	80-120	
Arsenic	ug/L	250	245	98	80-120	
Barium	ug/L	250	256	102	80-120	
Chromium	ug/L	250	254	102	80-120	
Cobalt	ug/L	250	266	106	80-120	
Iron	ug/L	2500	2520	101	80-120	
Nickel	ug/L	250	262	105	80-120	
Tot Hardness asCaCO3 (SM 2340B	mg/L	82.7	84.9	103	80-120	
Vanadium	ug/L	250	259	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1230892 1230893

Parameter	Units	35189530001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	5.0 U	250	250	249	253	99	100	75-125	1	20	
Arsenic	ug/L	6.8 I	250	250	247	254	96	99	75-125	3	20	
Barium	ug/L	49.2	250	250	286	293	95	97	75-125	2	20	
Chromium	ug/L	2.5 U	250	250	243	248	97	99	75-125	2	20	
Cobalt	ug/L	5.0 U	250	250	252	257	101	103	75-125	2	20	
Iron	ug/L	486	2500	2500	2990	3060	100	103	75-125	2	20	
Nickel	ug/L	2.5 U	250	250	252	260	101	104	75-125	3	20	
Tot Hardness asCaCO3 (SM 2340B	mg/L	164	82.7	82.7	240	245	91	98	75-125	2	20	
Vanadium	ug/L	11.7	250	250	260	266	99	102	75-125	3	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

QC Batch: MPRP/24490 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35189530001, 35189530002, 35189530003

METHOD BLANK: 1230898 Matrix: Water
Associated Lab Samples: 35189530001, 35189530002, 35189530003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	0.050 U	0.10	06/04/15 15:33	
Cadmium	ug/L	0.050 U	0.10	06/04/15 15:33	
Copper	ug/L	0.93 U	1.0	06/04/15 15:33	
Lead	ug/L	0.50 U	1.0	06/04/15 15:33	
Selenium	ug/L	0.50 U	1.0	06/04/15 15:33	
Silver	ug/L	0.050 U	0.10	06/04/15 15:33	
Thallium	ug/L	0.50 U	1.0	06/04/15 15:33	
Zinc	ug/L	2.5 U	5.0	06/04/15 15:33	

LABORATORY CONTROL SAMPLE: 1230899

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	5	4.6	92	80-120	
Cadmium	ug/L	5	5.0	100	80-120	
Copper	ug/L	50	52.4	105	80-120	
Lead	ug/L	50	48.4	97	80-120	
Selenium	ug/L	50	51.2	102	80-120	
Silver	ug/L	5	5.2	104	80-120	
Thallium	ug/L	50	52.9	106	80-120	
Zinc	ug/L	250	249	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1230900 1230901

Parameter	Units	35189530002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Beryllium	ug/L	0.075 I	5	5	4.5	4.6	89	91	75-125	2	20	
Cadmium	ug/L	0.053 I	5	5	4.5	4.8	88	94	75-125	6	20	
Copper	ug/L	0.93 U	50	50	49.4	49.7	97	98	75-125	1	20	
Lead	ug/L	0.91 I	50	50	49.2	49.3	97	97	75-125	0	20	
Selenium	ug/L	0.91 I	50	50	49.0	49.2	96	97	75-125	0	20	
Silver	ug/L	0.050 U	5	5	4.6	4.7	92	93	75-125	1	20	
Thallium	ug/L	0.50 U	50	50	52.9	53.0	106	106	75-125	0	20	
Zinc	ug/L	9.7	250	250	249	250	96	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

QC Batch: MSV/15054 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35189530001, 35189530002, 35189530003, 35189530004

METHOD BLANK: 1230128 Matrix: Water
Associated Lab Samples: 35189530001, 35189530002, 35189530003, 35189530004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	06/02/15 21:28	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	06/02/15 21:28	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	06/02/15 21:28	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	06/02/15 21:28	
1,1-Dichloroethane	ug/L	0.50 U	1.0	06/02/15 21:28	
1,1-Dichloroethene	ug/L	0.50 U	1.0	06/02/15 21:28	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	06/02/15 21:28	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	06/02/15 21:28	
1,2-Dichloroethane	ug/L	0.50 U	1.0	06/02/15 21:28	
1,2-Dichloropropane	ug/L	0.50 U	1.0	06/02/15 21:28	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	06/02/15 21:28	
2-Butanone (MEK)	ug/L	5.0 U	10.0	06/02/15 21:28	
2-Hexanone	ug/L	5.0 U	10.0	06/02/15 21:28	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	06/02/15 21:28	
Acetone	ug/L	10.0 U	20.0	06/02/15 21:28	
Acrylonitrile	ug/L	5.0 U	10.0	06/02/15 21:28	
Benzene	ug/L	0.10 U	1.0	06/02/15 21:28	
Bromochloromethane	ug/L	0.50 U	1.0	06/02/15 21:28	
Bromodichloromethane	ug/L	0.27 U	0.60	06/02/15 21:28	
Bromoform	ug/L	0.50 U	1.0	06/02/15 21:28	
Bromomethane	ug/L	0.50 U	1.0	06/02/15 21:28	
Carbon disulfide	ug/L	5.0 U	10.0	06/02/15 21:28	
Carbon tetrachloride	ug/L	0.50 U	1.0	06/02/15 21:28	
Chlorobenzene	ug/L	0.50 U	1.0	06/02/15 21:28	
Chloroethane	ug/L	0.50 U	1.0	06/02/15 21:28	
Chloroform	ug/L	0.50 U	1.0	06/02/15 21:28	
Chloromethane	ug/L	0.62 U	1.0	06/02/15 21:28	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	06/02/15 21:28	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	06/02/15 21:28	
Dibromochloromethane	ug/L	0.26 U	0.50	06/02/15 21:28	
Dibromomethane	ug/L	0.50 U	1.0	06/02/15 21:28	
Ethylbenzene	ug/L	0.50 U	1.0	06/02/15 21:28	
Iodomethane	ug/L	0.50 U	1.0	06/02/15 21:28	
Methylene Chloride	ug/L	2.5 U	5.0	06/02/15 21:28	
Styrene	ug/L	0.50 U	1.0	06/02/15 21:28	
Tetrachloroethene	ug/L	0.50 U	1.0	06/02/15 21:28	
Toluene	ug/L	0.50 U	1.0	06/02/15 21:28	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	06/02/15 21:28	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	06/02/15 21:28	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	06/02/15 21:28	
Trichloroethene	ug/L	0.50 U	1.0	06/02/15 21:28	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

METHOD BLANK: 1230128 Matrix: Water
Associated Lab Samples: 35189530001, 35189530002, 35189530003, 35189530004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	06/02/15 21:28	
Vinyl acetate	ug/L	1.0 U	2.0	06/02/15 21:28	
Vinyl chloride	ug/L	0.50 U	1.0	06/02/15 21:28	
Xylene (Total)	ug/L	0.50 U	3.0	06/02/15 21:28	
1,2-Dichloroethane-d4 (S)	%	110	86-125	06/02/15 21:28	
4-Bromofluorobenzene (S)	%	95	70-114	06/02/15 21:28	
Toluene-d8 (S)	%	108	87-113	06/02/15 21:28	

LABORATORY CONTROL SAMPLE: 1230129

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.7	93	70-130	
1,1,1-Trichloroethane	ug/L	20	22.4	112	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.9	89	70-130	
1,1,2-Trichloroethane	ug/L	20	19.4	97	70-130	
1,1-Dichloroethane	ug/L	20	19.4	97	70-130	
1,1-Dichloroethene	ug/L	20	22.5	112	70-130	
1,2,3-Trichloropropane	ug/L	20	18.4	92	70-130	
1,2-Dichlorobenzene	ug/L	20	18.9	94	70-130	
1,2-Dichloroethane	ug/L	20	20.9	104	70-130	
1,2-Dichloropropane	ug/L	20	21.0	105	70-130	
1,4-Dichlorobenzene	ug/L	20	18.9	94	70-130	
2-Butanone (MEK)	ug/L	40	46.3	116	55-167	
2-Hexanone	ug/L	40	41.2	103	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	41.7	104	70-130	
Acetone	ug/L	40	44.1	110	40-150	
Acrylonitrile	ug/L	200	193	97	70-130	
Benzene	ug/L	20	21.9	109	70-130	
Bromochloromethane	ug/L	20	20.7	104	70-130	
Bromodichloromethane	ug/L	20	21.6	108	70-130	
Bromoform	ug/L	20	18.4	92	68-130	
Bromomethane	ug/L	20	18.3	92	38-179	
Carbon disulfide	ug/L	20	18.0	90	51-155	
Carbon tetrachloride	ug/L	20	21.8	109	70-130	
Chlorobenzene	ug/L	20	19.8	99	70-130	
Chloroethane	ug/L	20	18.5	93	59-149	
Chloroform	ug/L	20	21.1	106	70-130	
Chloromethane	ug/L	20	20.3	101	68-130	
cis-1,2-Dichloroethene	ug/L	20	21.0	105	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.3	96	70-130	
Dibromochloromethane	ug/L	20	18.8	94	70-130	
Dibromomethane	ug/L	20	20.6	103	70-130	
Ethylbenzene	ug/L	20	19.9	99	70-130	
Iodomethane	ug/L	40	45.3	113	43-160	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

LABORATORY CONTROL SAMPLE: 1230129

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	18.6	93	70-130	
Styrene	ug/L	20	18.4	92	70-130	
Tetrachloroethene	ug/L	20	19.9	99	66-133	
Toluene	ug/L	20	19.6	98	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.0	100	70-130	
trans-1,3-Dichloropropene	ug/L	20	17.5	88	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	16.5	82	65-130	
Trichloroethene	ug/L	20	22.7	113	70-130	
Trichlorofluoromethane	ug/L	20	21.2	106	70-131	
Vinyl acetate	ug/L	20	22.9	115	69-135	
Vinyl chloride	ug/L	20	17.3	86	69-140	
Xylene (Total)	ug/L	60	54.8	91	70-130	
1,2-Dichloroethane-d4 (S)	%			94	86-125	
4-Bromofluorobenzene (S)	%			99	70-114	
Toluene-d8 (S)	%			105	87-113	

MATRIX SPIKE SAMPLE: 1231225

Parameter	Units	35190532002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	19.7	99	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	29.5	148	70-130	J(M1)
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	17.0	85	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	19.7	98	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	26.5	132	70-130	J(M1)
1,1-Dichloroethene	ug/L	0.50 U	20	28.7	143	70-130	J(M1)
1,2,3-Trichloropropane	ug/L	0.36 U	20	18.4	92	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	17.8	89	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	24.9	125	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	23.2	116	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	18.2	91	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	41.4	103	70-130	
2-Hexanone	ug/L	5.0 U	40	36.6	91	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	38.5	96	70-130	
Acetone	ug/L	5.0 U	40	43.5	109	70-130	
Acrylonitrile	ug/L	5.0 U	200	194	97	70-130	
Benzene	ug/L	0.50 U	20	26.6	133	70-130	J(M1)
Bromochloromethane	ug/L	0.50 U	20	27.5	138	70-130	J(M1)
Bromodichloromethane	ug/L	0.27 U	20	24.9	124	70-130	
Bromoform	ug/L	0.50 U	20	18.8	94	70-130	
Bromomethane	ug/L	0.50 U	20	19.1	95	70-130	
Carbon disulfide	ug/L	5.0 U	20	20.3	100	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	31.0	155	70-130	J(M1)
Chlorobenzene	ug/L	0.50 U	20	22.0	110	70-130	
Chloroethane	ug/L	0.50 U	20	25.1	126	70-130	
Chloroform	ug/L	0.50 U	20	27.2	136	70-130	J(M1)

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

MATRIX SPIKE SAMPLE: 1231225

Parameter	Units	35190532002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	19.4	97	70-130	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	26.6	133	70-130	J(M1)
cis-1,3-Dichloropropene	ug/L	0.25 U	20	17.8	89	70-130	
Dibromochloromethane	ug/L	0.26 U	20	20.7	104	70-130	
Dibromomethane	ug/L	0.50 U	20	24.9	125	70-130	
Ethylbenzene	ug/L	0.50 U	20	21.9	110	70-130	
Iodomethane	ug/L	0.50 U	40	39.1	98	70-130	
Methylene Chloride	ug/L	2.5 U	20	24.4	122	70-130	
Styrene	ug/L	0.50 U	20	17.7	89	70-130	
Tetrachloroethene	ug/L	0.50 U	20	23.6	118	70-130	
Toluene	ug/L	0.50 U	20	22.3	111	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	25.8	129	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	18.3	92	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	14.9	74	70-130	
Trichloroethene	ug/L	0.50 U	20	26.9	134	70-130	J(M1)
Trichlorofluoromethane	ug/L	0.50 U	20	27.7	139	70-130	J(M1)
Vinyl acetate	ug/L	1.0 U	20	15.6	78	70-130	
Vinyl chloride	ug/L	0.50 U	20	25.8	129	70-130	
Xylene (Total)	ug/L	0.50 U	60	58.2	97	70-130	
1,2-Dichloroethane-d4 (S)	%				98	86-125	
4-Bromofluorobenzene (S)	%				98	70-114	
Toluene-d8 (S)	%				103	87-113	

SAMPLE DUPLICATE: 1231224

Parameter	Units	35190532001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.36 U	0.59 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	5.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.50 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

SAMPLE DUPLICATE: 1231224

Parameter	Units	35190532001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	117	116	1	40	
4-Bromofluorobenzene (S)	%	97	93	4	40	
Toluene-d8 (S)	%	106	107	1	40	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

QC Batch: OEXT/22549 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35189530001, 35189530002, 35189530003

METHOD BLANK: 1223210 Matrix: Water
Associated Lab Samples: 35189530001, 35189530002, 35189530003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	05/27/15 02:11	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	05/27/15 02:11	

LABORATORY CONTROL SAMPLE: 1223211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.25	100	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.24	95	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1223212 1223213

Parameter	Units	35189709001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	.44	.44	0.40	0.41	92	94	60-140	2	40	
1,2-Dibromoethane (EDB)	ug/L	0.0067 U	.44	.44	0.38	0.40	87	92	60-140	5	40	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

QC Batch: WET/31031 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35189530001, 35189530002, 35189530003

METHOD BLANK: 1223305 Matrix: Water
Associated Lab Samples: 35189530001, 35189530002, 35189530003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	05/26/15 10:08	

LABORATORY CONTROL SAMPLE: 1223306

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	305	102	90-110	

SAMPLE DUPLICATE: 1223316

Parameter	Units	35189494008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	5700	6100	7	5	J(D6)

SAMPLE DUPLICATE: 1223317

Parameter	Units	35189494009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3130	3180	2	5	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

QC Batch: WET/31005 | Analysis Method: SM 2540D
QC Batch Method: SM 2540D | Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 35189530001, 35189530002, 35189530003

METHOD BLANK: 1222264 | Matrix: Water
Associated Lab Samples: 35189530001, 35189530002, 35189530003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	5.0 U	5.0	05/22/15 16:32	

LABORATORY CONTROL SAMPLE: 1222265

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	99.0	99	90-110	

SAMPLE DUPLICATE: 1222266

Parameter	Units	35189308007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	17.0	14.0	19	20	

SAMPLE DUPLICATE: 1222267

Parameter	Units	35189557002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	102	100	2	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

QC Batch: WET/30990 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 35189530001, 35189530002, 35189530003

METHOD BLANK: 1221695 Matrix: Water
Associated Lab Samples: 35189530001, 35189530002, 35189530003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	2.0 U	2.0	05/27/15 15:51	

LABORATORY CONTROL SAMPLE: 1221696

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	170	86	85-115	

SAMPLE DUPLICATE: 1221697

Parameter	Units	35189530001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	5.6	6.0	6	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

QC Batch: WET/31004 Analysis Method: SM10200
QC Batch Method: SM10200 Analysis Description: Chlorophyll & Pheophytin
Associated Lab Samples: 35189530001, 35189530002, 35189530003

METHOD BLANK: 1222232 Matrix: Water
Associated Lab Samples: 35189530001, 35189530002, 35189530003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlorophyll a	ug/L	2.2 U	5.0	05/29/15 15:45	

LABORATORY CONTROL SAMPLE: 1222233

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorophyll a	ug/L	50000	52.1	0	85-115	

SAMPLE DUPLICATE: 1222234

Parameter	Units	35189399001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chlorophyll a	ug/L	31.4 mg/m3	32.6	4	40	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

QC Batch: WETA/46694 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35189530001, 35189530002, 35189530003

METHOD BLANK: 1223324 Matrix: Water
Associated Lab Samples: 35189530001, 35189530002, 35189530003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	05/26/15 11:24	

LABORATORY CONTROL SAMPLE: 1223325

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 1223327

Parameter	Units	35189056002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.25	1	1.2	97	90-110	

SAMPLE DUPLICATE: 1223326

Parameter	Units	35189056002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.25	0.26	3	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

QC Batch: WETA/46736 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 35189530001, 35189530002, 35189530003

METHOD BLANK: 1224518 Matrix: Water
Associated Lab Samples: 35189530001, 35189530002, 35189530003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.086 U	0.50	05/27/15 18:26	

LABORATORY CONTROL SAMPLE: 1224519

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	20	19.8	99	90-110	

MATRIX SPIKE SAMPLE: 1224521

Parameter	Units	35189755001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	6.4	20	25.9	97	90-110	

SAMPLE DUPLICATE: 1224520

Parameter	Units	35189755001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	6.4	6.9	7	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

QC Batch: WETA/46642 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35189530001, 35189530002, 35189530003

METHOD BLANK: 1221719 Matrix: Water
Associated Lab Samples: 35189530001, 35189530002, 35189530003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	05/22/15 09:57	
Nitrogen, NO2 plus NO3	mg/L	0.025 U	0.050	05/22/15 09:57	

LABORATORY CONTROL SAMPLE: 1221720

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: 1221722

Parameter	Units	35189512001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L		2	2.0	98	90-110	

SAMPLE DUPLICATE: 1221721

Parameter	Units	35189512001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.025 U		20	
Nitrogen, NO2 plus NO3	mg/L		0.025 U		20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

QC Batch: WETA/46737 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 35189530001, 35189530002, 35189530003

METHOD BLANK: 1224522 Matrix: Water
Associated Lab Samples: 35189530001, 35189530002, 35189530003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus, Total (as P)	mg/L	0.050 U	0.10	05/27/15 19:02	

LABORATORY CONTROL SAMPLE: 1224523

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

MATRIX SPIKE SAMPLE: 1224525

Parameter	Units	35189755001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus, Total (as P)	mg/L	1.7	4	5.7	98	80-120	

SAMPLE DUPLICATE: 1224524

Parameter	Units	35189755001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus, Total (as P)	mg/L	1.7	1.8	2	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

QC Batch: WETA/46763 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 35189530001, 35189530002

METHOD BLANK: 1225618 Matrix: Water
Associated Lab Samples: 35189530001, 35189530002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5 U	20.0	05/29/15 08:40	

LABORATORY CONTROL SAMPLE: 1225619

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	497	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1225620 1225621

Parameter	Units	35188855004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	12.5 U	500	500	498	497	98	98	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1225622 1225623

Parameter	Units	35189530002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	108	500	500	587	587	96	96	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

QC Batch: WETA/46873 | Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 | Analysis Description: 410.4 COD
Associated Lab Samples: 35189530003

METHOD BLANK: 1228652 | Matrix: Water
Associated Lab Samples: 35189530003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5 U	20.0	06/02/15 08:54	

LABORATORY CONTROL SAMPLE: 1228653

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	495	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1228654 1228655

Parameter	Units	35189530003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	25.0 U	500	500	494	494	98	98	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1228656 1228657

Parameter	Units	35190385001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	986	10000	10000	9990	10000	90	90	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

QC Batch: WETA/46664 Analysis Method: SM 5310B
QC Batch Method: SM 5310B Analysis Description: 5310B TOC
Associated Lab Samples: 35189530001, 35189530002, 35189530003

METHOD BLANK: 1222515 Matrix: Water
Associated Lab Samples: 35189530001, 35189530002, 35189530003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	05/24/15 17:41	

LABORATORY CONTROL SAMPLE: 1222516

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	20	19.9	100	90-110	

MATRIX SPIKE SAMPLE: 1222520

Parameter	Units	35189642004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.3	20	20.9	93	80-120	

MATRIX SPIKE SAMPLE: 1222606

Parameter	Units	35189530003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	0.50 U	20	19.1	95	80-120	

SAMPLE DUPLICATE: 1222519

Parameter	Units	35189642004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	2.3	2.3	4	20	

SAMPLE DUPLICATE: 1222605

Parameter	Units	35189530003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	0.50 U	0.50 U		20	

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QUALIFIERS

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35189530001	**Pond 1**		FLD/		
35189530002	**Pond 2**		FLD/		
35189530001	**Pond 1**	EPA 8011	OEXT/22549	EPA 8011	GCSV/14696
35189530002	**Pond 2**	EPA 8011	OEXT/22549	EPA 8011	GCSV/14696
35189530003	**Field Blank 052115**	EPA 8011	OEXT/22549	EPA 8011	GCSV/14696
35189530001	**Pond 1**	EPA 3010	MPRP/24489	EPA 6010	ICP/14961
35189530002	**Pond 2**	EPA 3010	MPRP/24489	EPA 6010	ICP/14961
35189530003	**Field Blank 052115**	EPA 3010	MPRP/24489	EPA 6010	ICP/14961
35189530001	**Pond 1**	EPA 3010	MPRP/24490	EPA 6020	ICPM/9921
35189530002	**Pond 2**	EPA 3010	MPRP/24490	EPA 6020	ICPM/9921
35189530003	**Field Blank 052115**	EPA 3010	MPRP/24490	EPA 6020	ICPM/9921
35189530001	**Pond 1**	EPA 1631E	MERP/7868	EPA 1631E	MERC/7554
35189530002	**Pond 2**	EPA 1631E	MERP/7868	EPA 1631E	MERC/7554
35189530003	**Field Blank 052115**	EPA 1631E	MERP/7868	EPA 1631E	MERC/7554
35189530001	**Pond 1**	EPA 8260	MSV/15054		
35189530002	**Pond 2**	EPA 8260	MSV/15054		
35189530003	**Field Blank 052115**	EPA 8260	MSV/15054		
35189530004	**Trip BlanK 052115**	EPA 8260	MSV/15054		
35189530001	**Pond 1**	SM 2540C	WET/31031		
35189530002	**Pond 2**	SM 2540C	WET/31031		
35189530003	**Field Blank 052115**	SM 2540C	WET/31031		
35189530001	**Pond 1**	SM 2540D	WET/31005		
35189530002	**Pond 2**	SM 2540D	WET/31005		
35189530003	**Field Blank 052115**	SM 2540D	WET/31005		
35189530001	**Pond 1**	SM 5210B	WET/30990	SM 5210B	WET/31109
35189530002	**Pond 2**	SM 5210B	WET/30990	SM 5210B	WET/31109
35189530003	**Field Blank 052115**	SM 5210B	WET/30990	SM 5210B	WET/31109
35189530001	**Pond 1**	SM10200	WET/31004	SM10200	WET/31010
35189530002	**Pond 2**	SM10200	WET/31004	SM10200	WET/31010
35189530003	**Field Blank 052115**	SM10200	WET/31004	SM10200	WET/31010
35189530001	**Pond 1**	TKN+NOx Calculation	WET/31124		
35189530002	**Pond 2**	TKN+NOx Calculation	WET/31124		
35189530003	**Field Blank 052115**	TKN+NOx Calculation	WET/31124		
35189530001	**Pond 1**	EPA 350.1	WETA/46694		
35189530002	**Pond 2**	EPA 350.1	WETA/46694		
35189530003	**Field Blank 052115**	EPA 350.1	WETA/46694		
35189530001	**Pond 1**	EPA 351.2	WETA/46736	EPA 351.2	WETA/46751
35189530002	**Pond 2**	EPA 351.2	WETA/46736	EPA 351.2	WETA/46751
35189530003	**Field Blank 052115**	EPA 351.2	WETA/46736	EPA 351.2	WETA/46751
35189530001	**Pond 1**	EPA 353.2	WETA/46642		
35189530002	**Pond 2**	EPA 353.2	WETA/46642		
35189530003	**Field Blank 052115**	EPA 353.2	WETA/46642		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill SW
Pace Project No.: 35189530

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35189530001	**Pond 1**	EPA 365.4	WETA/46737	EPA 365.4	WETA/46752
35189530002	**Pond 2**	EPA 365.4	WETA/46737	EPA 365.4	WETA/46752
35189530003	**Field Blank 052115**	EPA 365.4	WETA/46737	EPA 365.4	WETA/46752
35189530001	**Pond 1**	EPA 410.4	WETA/46763		
35189530002	**Pond 2**	EPA 410.4	WETA/46763		
35189530003	**Field Blank 052115**	EPA 410.4	WETA/46873		
35189530001	**Pond 1**	SM 5310B	WETA/46664		
35189530002	**Pond 2**	SM 5310B	WETA/46664		
35189530003	**Field Blank 052115**	SM 5310B	WETA/46664		

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(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E

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

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services
Address: 1255 T Mabry Carlton Parkway
City Venice State Fl. Zip Code 34293
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez
Address:
City State Zip Code
Phone: ( )
Fax: ( )

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

3. Client Project Name:
Central Cty Solid Waste disposal surface water
4. Client Project No.:
No.: 151033
6. Custody Seal No.:
7. Sampled By: Alison Eggleston
8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

14.

15. Preservatives	H	C	H	N	S	C	C	T
16. Containers	V	V	V	P	P	P	P	M

17. WO#: 35189530
35189530

Preservative Codes (for Item 15)
C = Cool Only
= Hydrochloric Acid
- Monochloroacetic Acid
= Nitric Acid
H = Sodium Hydroxide
= Sulfuric Acid
T = Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Codes)	Air	Soil	Sludge	Other	VOC 258 App I	EDB 258 App I	TOC	Metals 258 App I (	Nutrients 258 App.	Misc Inorganics Ap	Chlorophyll A	Fecal coliform	20. REMARK	LAB USE ONLY LAB SAMPLE NO.
1		Pond I (28824)	5/21/15	1000		X	SW					3 A,B,C								F,G: TOC	
2		|				X	SW					2	D,E							H: Fe App I	
3		|				X	SW					2		F,G						I: Un-ionized Ammonia,	
4		|				X	SW					1			H					Tot N, total phosphorus	
5		|				X	SW					1				I				J,K,,: COD, BOD, Tot. hardness, TDS	
6		|				X	SW					2					JK			TSS	
7		|				X	SW					1						L		Nitrate	
8		▼				X	SW					1							M	L:Chlorophyll A	
9		▼	↓	↓		X	SW													M:Fecal coliform,	
10		~~Trip blank~~ AE										X								BENCHMARK	

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 [signature]	5/21/15	1105			
2			[signature] / PACE	5/21/15	16:00
3 [signature] / PACE	5/21/15	21:00	TDH pace	5/22/15	0030
				TDH	0.8

FOR LAB USE ONLY
Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.:
Quote No.:

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Revised: 1/99

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CHAIN OF CUSTODY RECORD

No. E

(INSTRUCTIONS ON BACK OF THIS FORM)

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

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services
Address: 1255 T Mabry Carlton Parkway
Phone: (941)650-9834
City Venice State Fl. Zip Code 34293
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez
Address:
Phone: ( )
City State Zip Code
Fax: ( )

3. Client Project Name:
Central Cty Solid Waste disposal surface water
4. Client Project No.:
No.: 151033
6. Custody Seal No.:
7. Sampled By: Alison Eggleston
8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

14. 15. Preservatives: C
16. Containers: G
17.

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Codes)	13. Air	13. Soil	13. Sludge	13. Other	14.	15. Low level mercury								20. REMARK	LAB USE ONLY LAB SAMPLE NO.
1		Pond 1 (28824)	5/21/15	1000		X	SW					1	N									
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Alison Eggleston	5/21/15	1105			
2			Carl Mark / Pace	5/21/15	16:00
3 Carl Mark / Pace	5/21/15	21:00	TOH Pace	5/22/15	0030
4				TOH	0.8

FOR LAB USE ONLY
Sampling Fee: Hrs.
Equipment Rental Fee:
Profile No.:
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CHAIN OF CUSTODY RECORD

No. E

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

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services
Address: 1255 T Mabry Carlton Parkway
City Venice State Fl. Zip Code 34293
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez
Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name:
Central Cty Solid Waste disposal surface water
4. Client Project No.:
No.: 151033
6. Custody Seal No.:
7. Sampled By: Alison Eggleston
8. Shipping Method:

Water Sample Codes (for Item 13)
DW = Drinking Water
GW = Ground Water
SW = Surface Water
PW = Processed Water
WW = Waste Water

Container Codes (for Item 16)
V = VOA vial
G = glass
P = plastic
M = micro bag/cup
O = other

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Codes)	13. Air	13. Soil	13. Sludge	13. Other	14.	15. Preservatives / 16. Containers / 17.	VOC 258 App I (H V)	EDB 258 App I (C V)	TOC (H V)	Metals 258 App I (N P)	Nutrients 258 App. (S P)	Misc Inorganics Ap (C P)	Chlorophyll A (C P)	Fecal coliform (T M)	20. REMARK	LAB USE ONLY LAB SAMPLE NO.
1		Pond 2 (28825)	5/21/15	1040		X	SW					3	A,B,C									F,G: TOC	
2		|	|	|		X	SV					2		D,E								H: Fe App 1	
3		|	|	|		X	SW					2			F,G							I: Un-ionized Ammonia,	
4		|	|	|		X	SW					1				H						Tot N, total phosphorus	
5		|	|	|		X	SW					1					I					J,K,,: COD, BOD, Tot. hardness, TDS	
6		|	|	|		X	SW					2						JK				TSS	
7		|	|	|		X	SW					1							L			Nitrate	
8		▼	|	|		X	SW					1								M		L:Chlorophyll A	
9		▼	↓	↓		X	SW															M:Fecal coliform,	
10		Trip blank AE											X									BENCHMARK	

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Alison Eggleston	5/21/15	1105			
2			Carlton Place	5/21/15	16:00
3 Carlton Place	5/21/15	21:00	TDH Pace	5/22/15	0030
					T211 0.8

FOR LAB USE ONLY
Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.:
Quote No.:

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CHAIN OF CUSTODY RECORD

No. E

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

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services
Address: 1255 T Mabry Carlton Parkway
City Venice State Fl. Zip Code 34293
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez
Address:
City State Zip Code
Phone: ( )
Fax: ( )

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

3. Client Project Name:
Central Cty Solid Waste disposal surface water
4. Client Project No.:
No.: 151033
6. Custody Seal No.:
7. Sampled By: Alison Eggleston
8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

14. 15. Preservatives C
16. Containers G
17.

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M - Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Codes)	13. Air	13. Soil	13. Sludge	13. Other	14.	15. Low level mercury	16.	17.						20. REMARK	LAB SAMPLE NO.
1		Pond 2 (28825)	5/21/15	1040		X	SW					1	N									
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 [signature]	5/21/15	1105			
2			[signature]	5/21/15	16:00
3 [signature]	5/21/15	21:00	TNT Pace	5/22/15	0030
4					T2 11 08

FOR LAB USE ONLY
Sampling Fee: Hrs.
Equipment Rental Fee:
Profile No.:
Quote No.:

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CHAIN OF CUSTODY RECORD

No. E

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

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services

Address: 1255 T Mabry Carlton Parkway
City Venice State Fl. Zip Code 34293
Phone: (941)650-9834
Fax: (941)480-3558

18. Report Type:
X Routine
With QC

2. Report to: (if different from above)
Cesar Rodriguez

Address:
City State Zip Code
Phone: ( )
Fax: ( )

19. Turnaround Time
X Standard
Rush : / /

3. Client Project Name:
Central Cty Solid Waste disposal surface water

4. Client Project No.:
No.: 151033

6. Custody Seal No.:

7. Sampled By: Alison Eggleston

8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M - Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

14.										
15. Preservatives	H	C	H	N	S	C	C	T		
16. Containers	V	V	V	P	P	P	P	M		
17.	VOC 258 App I	EDB 258 App I	TOC	Metals 258 App 1 (	Nutrients 258 App.	Misc Inorganics Ap	Chlorophyll A	Fecal coliform		

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Codes)	Air	Soil	Sludge	Other	VOC 258 App I	EDB 258 App I	TOC	Metals 258 App 1 (	Nutrients 258 App.	Misc Inorganics Ap	Chlorophyll A	Fecal coliform	20. REMARK	LAB USE ONLY LAB SAMPLE NO.
1		Field Blank	5/21/15	0945		X	SW					3 A,B,C								F,G: TOC	
2		|				X	SV					2	D,E							H: Fe App 1	
3		|				X	SW					2		F,G						I: Un-ionized Ammonia,	
4		|				X	SW					1			H					Tot N, total phosphorus	
5		|				X	SW					1				I				J,K,,: COD, BOD, Tot. hardness, TDS	
6		|				X	SW					2					JK			TSS	
7		|				X	SW					1						L		Nitrate	
8		▼				X	SW					1							M	L:Chlorophyll A	
9		▼				X	SW													M:Fecal coliform,	
10		Trip blank	5/21/15									X								BENCHMARK	

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Alison Eggleston	5/21/15	1040	PACE	5/21/15	1435
2 PACE	5/21/15	1600	PACE	5/21/15	16:00
3 PACE	5/21/15	21:00	PACE	5/22/15	0030
4				5/21	0.8

FOR LAB USE ONLY
Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.:
Quote No.:

DISTRIBUTION: White with report; make copies as needed

Revised: 1/99

PLEASE USE ADAPT

Pace Analytical
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

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

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services
Address: 1255 T Mabry Carlton Parkway
City Venice State Fl. Zip Code 34293
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez
Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name:
Central Cty Solid Waste disposal surface water
4. Client Project No.:
No.: 151033
6. Custody Seal No.:
7. Sampled By: Alison Eggleston
8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

14. 15. Preservatives C
16. Containers G
17.

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M - Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Codes)	13. Air	13. Soil	13. Sludge	13. Other	14.	15. Low level mercury								20. REMARK	LAB USE ONLY LAB SAMPLE NO.
1		Field Blank	5/21/15	0945		X	SW					1	N									
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Alison Eggleston	5/21/15	1040			
2			Carlton / PACE	5/21/15	16:00
3 Carlton / PACE	5/21/15	21:00	TDH Pace	5/22/15	0030
4			T211 0.8		

FOR LAB USE ONLY
Sampling Fee: Hrs.
Equipment Rental Fee:
Profile No.:
Quote No.:

DISTRIBUTION: White with report; make copies as needed

Revised: 1/99

PLEASE USE ADAPT

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

SURVEY/PROJECT: Central Fort Sem 2015 340 SAMPLERS: AE tog METER # 151-550

STATION NUMBER	STATION DESCRIPTION	PARAMETER	DATE	TIME	TOTAL DEPTH	SAMPLE DEPTH	WATER TEMP	DO	%SAT DO	COND	SALINITY	PH	TURBIDITY
		UNIT	yy/mm/dd	hr:min	feet	feet	Celsius	mg/L	%	µS/cm	ppt	su	NTU
		STORET CODE	73672		81903	68	10	299	301	94	480	400	82078
28824	Pond 1		15/05/21	10:00	2.0	0.5	28.59	3.02	—	458	—	6.96	20.2
28825	Pond 2		15/05/21	10:40	1.5	0.5	29.51	4.39	—	517	—	7.24	37.0

FIELD CONDITIONS FOR STATION# _____ AT TIME_____:

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

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

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

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: August 11, 2014
	Document No.: F-FL-C-007 rev. 06	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: Sarasota **Project #** 35189530

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

Tracking # _____

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

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

Date and Initials of person examining contents: 5/22/15 TH

Thermometer Used T211 **Type of Ice:** (Wet) Blue (None)

0030

Cooler Temperature°C 21.6 (Visual) 0 (Correction Factor) 21.6 (Actual)

0.8 0.8

(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen? ☐Yes ☐No

Receipt of samples satisfactory: ☑Yes ☐No **Rush TAT requested on COC:**

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ **Date:** 5/22

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

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

Chain of Custody

Pace Analytical®
www.pacelabs.com

Workorder: 35189530 **Workorder Name:** Central Cty Solid Waste Dispos **Owner Received Date:** 5/21/2015 **Results Requested By:** 6/5/2015

Report To	Subcontract To
Joe Vondrick Pace Analytical Services, Inc. 8 East Tower Circle Ormond Beach, FL 32174 Phone (386)672-5668 Fax (386)672-5668	Pace Analytical Ashville 2225 Riverside Dr. Asheville, NC 28804 Phone (828)254-7176

Requested Analysis: LLHG (1631)

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Other	LLHG (1631)	LAB USE ONLY
1	Pond 1 (28824)	PS	5/21/2015 10:00	35189530001	Water	1	1	
2	Pond 2 (28825)	PS	5/21/2015 10:40	35189530002	Water	1	1	
3	Field Blank 05/21/15	PS	5/21/2015 09:45	35189530003	Water	1	1	
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1				
2				
3				

Comments

Cooler Temperature on Receipt _____ °C **Custody Seal** Y or N **Received on Ice** Y or N **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

Please E-Mail all results in a NELAC-Compliant Florida MDL PDF format to the PM listed above as soon as possible.

Pace Analytical®
www.pacelabs.com

Ship To:
Pace Analytical Ashville
2225 Riverside Dr.
Asheville, NC 28804
Phone (828)254-7176

INTER_LABORATORY WORK ORDER # 35189530
(To be completed by sending lab)

Sending Project No:	35189530
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	05/22/15
REQUESTED COMPLETION DATE:	**6/5/2015**

Sending Region	IR35-Ormond Beach	Sending Project Mgr.	Joe Vondrick
Receiving Region	IR93-Asheville	External Client	Sarasota County
State of Sample Origin	FL	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight Cert. Needed _____

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Unit Price	Amount
LLHG (1631)	LLHG	3	Other	3	$50.00	$150.00
					TOTAL	$150.00

Special Requirements: _____

Receiving Region Department	Acctg. Code	Totals from above	Revenue Allocation	
			Receiving Region (80%)	Client Services Dept. Sending Region (20%)
Metals	20	$150.00	$120.00	$30.00
* Custom Revenue Allocation	TOTAL	$150.00	$120.00	$30.00

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Chain of Custody Included: ☑ Yes ☐ No Return Samples to Sending Region: ☐ Yes ☑ No

Matrix: ☐ Soil ☑ Water ☐ Air ☐ Other (Identify) _____

CONFIRMATION OF WORK COMPLETED

Date Completed: _____ Receiving Project Manager: _____

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.

When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

Chain of Custody

Pace Analytical®
www.pacelabs.com

Workorder: 35189530 **Workorder Name:** Sarasota Central Landfill SW **Results Requested** 6/5/2015

Report / Invoice To	Subcontract To
Joe Vondrick Pace Analytical Ormond Beach 8 East Tower Circle Ormond Beach, FL 32174 Phone (386)672-5668 Email: joe.vondrick@pacelabs.com	Benchmark P.O. FLS-6824

Requested Analysis

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						Fecal												LAB USE ONLY
1	Pond 1	5/21/2015 10:00	35189530001	Water																			
2	Pond 2	5/21/2015 10:40	35189530002	Water																			
3	Field Blank 052115	5/21/2015 09:45	35189530003	Water																			
4																							
5																							

Transfers	Released By	Date/Time	Received By	Date/Time
1				
2				
3				

Comments

Cooler Temperature on Receipt _____ °C **Custody Seal** Y or N **Received on Ice** Y or N **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

BENCHMARK
EnviroAnalytical Inc.

NELAC Certification #E84167

ANALYTICAL TEST REPORT
THESE RESULTS MEET NELAC STANDARDS

Submission Number : 15050687

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

Joe Vondrick

Project Name : CENTRAL CO. SOLID WASTE DISPOSAL
Date Received : 05/21/2015
Time Received : 1426

Submission Number: 15050687
Sample Number: 001
Sample Description: Pond 1 (28824)
Sample Date: 05/21/2015
Sample Time: 1000
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
FECAL COLIFORM	700 B	#/100 ML	100	100	SM9222D	05/21/2015 14:49	KD

Submission Number: 15050687
Sample Number: 002
Sample Description: Pond 2 (28825)
Sample Date: 05/21/2015
Sample Time: 1040
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
FECAL COLIFORM	1200 B	#/100 ML	100	100	SM9222D	05/21/2015 14:49	KD

Submission Number: 15050687
Sample Number: 003
Sample Description: Field Blank
Sample Date: 05/21/2015
Sample Time: 0945
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
FECAL COLIFORM	10 U	#/100 ML	10	10	SM9222D	05/21/2015 14:49	KD

BENCHMARK
EnviroAnalytical Inc.

NELAC Certification #E84167

Dale D. Dixon / Laboratory Director — 05/27/2015 Date

Tülay Tanrisever / QC Officer

Deborah A. Murphy / Project Manager

DATA QUALIFIERS THAT MAY APPLY:

A = Value reported is an average of two or more determinations.
B = Results based upon colony counts outside the ideal range.
H = Value based on field kit determination. Results may not be accurate.
I = Reported value is between the laboratory MDL and the PQL.
J1 = Estimated value. Surrogate recovery limits exceeded.
J2 = Estimated value. No quality control criteria exists for component.
J3 = Estimated value. Quality control criteria for precision or accuracy not met.
J4 = Estimated value. Sample matrix interference suspected.
J5 = Estimated 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. Results for this analyte in associated samples may be biased high. Standard, Duplicate and Spike values are within control limits. Reported data are usable.
Y = Analysis performed on an improperly preserved sample. Data may be inaccurate.
Z = Too many colonies were present (TNTC). The numeric value represents the filtration volume.
! = 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:

MBAS calculated as LAS; molecular weight = 340.
PQL = 4xMDL.
ND = Not detected at or above the adjusted reporting limit.
X = Value exceeds MCL.

COMMENTS:

For questions or comments regarding these results, please contact us at (941) 723-9986.

Results relate only to the samples.

Pace Analytical
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668 ● FAX (386)673-4001
(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E

FOR LAB USE ONLY
Temp. of Contents: 2.4 °C (or Received on Ice, ROI)
Condition of Contents:
Condition of Seals:

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services

Address: 1255 T Mabry Carlton Parkway
Phone: (941)650-9834
City Venice State Fl. Zip Code 34293
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez

Address:
Phone: ( )
City State Zip Code
Fax: ( )

3. Client Project Name:
Central Cty Solid Waste disposal surface water
4. Client Project No.:
No.: 151033
6. Custody Seal No.:
7. Sampled By: Alison Eggleston
8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

18. Report Type
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Codes)	13. Air	13. Soil	13. Sludge	13. Other	14.	15. Preservatives / 16. Containers / 17.	VOC 258 App I (H V)	EDB 258 App I (C V)	TOC (H V)	Metals 258 App 1 ((N P)	Nutrients 258 App. (S P)	Misc Inorganics Ap (C P)	Chlorophyll A (C P)	Fecal coliform (T M)	20. REMARK	LAB USE ONLY LAB SAMPLE NO.
1		Pond 1 (28824)	5/21/15	1000		X	SW					3	A,B,C									F,G: TOC	15050687-1
2		↓				X	SV					2		D,E								H: Fe App 1	
3		↓				X	SW					2			F,G							I: Un-ionized Ammonia,	
4		↓				X	SW					1				H						Tot N, total phosphorus	
5		↓				X	SW					1					I					J,K,,: COD, BOD, Tot. hardness, TDS	
6		↓				X	SW					2						JK				TSS	
7		↓				X	SW					1							L			Nitrate	
8		▼				X	SW					1									M	L:Chlorophyll A	
9		▼	↓	↓		X	SW															M:Fecal coliform,*	
10		~~Trip blank~~ AE											X									BENCHMARK	

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1	5/21/15	1105		5/21/15	1304
	5/21/15	1426		5/21/15	1426

FOR LAB USE ONLY
Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.:
Quote No.:

DISTRIBUTION: White with report; make copies as needed

Revised: 1/99

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3 of 6

Pace Analytical
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

FOR LAB USE ONLY
Temp. of Contents: 2.4 °C (or Received on Ice, ROI)
Condition of Contents:
Condition of Seals:

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services
Address: 1255 T Mabry Carlton Parkway
City Venice State Fl. Zip Code 34293
Phone: (941)650-9834
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez
Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name:
Central Cty Solid Waste disposal surface water
4. Client Project No.:
No.: 151033
6. Custody Seal No.:
7. Sampled By: Alison Eggleston
8. Shipping Method:

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

14.	H	C	H	N	S	C	C	T
15. Preservatives	V	V	V	P	P	P	P	M
16. Containers								
17.	VOC 258 App I	EDB 258 App I	TOC	Metals 258 App I (	Nutrients 258 App.	Misc Inorganics Ap	Chlorophyll A	Fecal coliform

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Codes)	13. Air	13. Soil	13. Sludge	13. Other	14.	VOC 258 App I	EDB 258 App I	TOC	Metals 258 App I (	Nutrients 258 App.	Misc Inorganics Ap	Chlorophyll A	Fecal coliform	20. REMARK	LAB USE ONLY LAB SAMPLE NO.
1		Pond 2 (28825)	5/21/15	1040		X	SW					3	A,B,C								F,G: TOC	15050687-2
2		↓	↓	↓		X	SV					2		D,E							H: Fe App 1	
3		↓				X	SW					2			F,G						I: Un-ionized Ammonia,	
4		↓				X	SW					1				H					Tot N, total phosphorus	
5		↓				X	SW					1					I				J,K,,: COD, BOD, Tot. hardness, TDS	
6		↓				X	SW					2						JK			TSS	
7		↓				X	SW					1							L		Nitrate	
8		▼				X	SW					1								M	L:Chlorophyll A	
9		▼	↓	↓		X	SW														M:Fecal coliform,	
10		Trip blank AE											X								BENCHMARK	

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1 Alison Eggleston	5/21/15	1105		5/21/15	1304
2	5/21/15	1426		5/21/15	1426
3					
4					

FOR LAB USE ONLY
Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.:
Quote No.:

DISTRIBUTION: White with report; make copies as needed

Revised: 1/99

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Pace Analytical
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668 ● FAX (386)673-4001
(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E

Page 1 of 2

FOR LAB USE ONLY
Temp. of Contents: 2.4 °C (or Received on Ice, ROI)
Condition of Contents:
Condition of Seals:

FOR LAB USE ONLY
Submission No.

1. Client: (Company or Individual)
Sarasota County Environmental Services
Address: 1255 T Mabry Carlton Parkway
Phone: (941)650-9834
City Venice State Fl. Zip Code 34293
Fax: (941)480-3558

2. Report to: (if different from above)
Cesar Rodriguez
Address:
Phone: ( )
City State Zip Code
Fax: ( )

3. Client Project Name:
Central Cty Solid Waste disposal surface water
4. Client Project No.:
No.: 151033
6. Custody Seal No.:
7. Sampled By: Alison Eggleston
8. Shipping Method:

18. Report Type:
X Routine
With QC

19. Turnaround Time
X Standard
Rush : / /

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

14.	15. Preservatives	H	C	H	N	S	C	C	T
	16. Containers	V	V	V	P	P	P	P	M
	17.								

Item	9. Sample ID or No.	10. Sample Description	11. Date	11. Time	12. Comp.	12. Grab	13. Water (Codes)	Air	Soil	Sludge	Other	14.	VOC 258 App I	EDB 258 App I	TOC	Metals 258 App 1 (	Nutrients 258 App.	Misc Inorganics Ap	Chlorophyll A	Fecal coliform	20. REMARK	LAB USE ONLY LAB SAMPLE NO.
1		Field Blank	5/21/15	0945		X	SW					3	A,B,C								F,G: TOC	15050687-3
2		|				X	SV					2		D,E							H: Fe App 1	
3		|				X	SW					2			F,G						I: Un-ionized Ammonia,	
4		|				X	SW					1				H					Tot N, total phosphorus	
5		|				X	SW					1					I				J,K,,: COD, BOD, Tot. hardness, TDS	
6		|				X	SW					2						JK			TSS	
7		|				X	SW					1							L		Nitrate	
8		▼				X	SW					1								M	L:Chlorophyll A	
9		▼				X	SW														M:Fecal coliform,	
10		Trip blank	5/21/15										X								BENCHMARK	

21. RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1	5/21/15	1040		5/21/15	1304
2	5/21/15	1426		5/21/15	1426
3					
4					

FOR LAB USE ONLY
Sampling Fee: _____ Hrs.
Equipment Rental Fee: _____
Profile No.:
Quote No.:

DISTRIBUTION: White with report; make copies as needed

Revised: 1/99

PLEASE USE ADAPT

Page 1 of 2

5-4-6

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

SURVEY/PROJECT: Central 1st Sem 2015 SAMPLERS: AE tog METER # YSI-550

STATION NUMBER	STATION DESCRIPTION	PARAMETER	DATE	TIME	TOTAL DEPTH	SAMPLE DEPTH	WATER TEMP	DO	%SAT DO	COND	SALINITY	PH	TURBIDITY
		UNIT	yy/mm/dd	hr:min	feet	feet	Celsius	mg/L	%	µS/cm	ppt	su	NTU
		STORET CODE	73672		81903	68	10	299	301	94	480	400	82078
28924	Pond 1		15/05/21	10:00	2.0	0.5	28.59	3.02	—	458	—	6.96	20.2
28925	Pond 2		15/05/21	10:40	1.5	0.5	29.51	4.39	—	517	—	7.24	37.0

FIELD CONDITIONS FOR STATION# _____ AT TIME _____:

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

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

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

Revision Date: February 1, 2004

BENCHMARK
EnviroAnalytical Inc.

QUALITY ASSURED 7/20/15

NELAC Certification # E84167

ANALYTICAL TEST REPORT
THESE RESULTS MEET NELAC STANDARDS

JUL 2015 RESOLUTION

Submission Number : 15070162

Sarasota County Utilities Oper
1255 T. Mabry Carlton Pkwy
Venice, Fl 34293

Cesar Rodriguez

Project Name : CENTRAL COUNTY
Date Received : 07/06/2015
Time Received : 1400

Submission Number 15070162

Sample Number: 001
Sample Date: 07/01/2015
Sample Time: 1031

Sample Description: NAM-3
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date	Analysis Time	Analyst
IRON	5880	UG/L	29	116	200.7	07/09/2015	17:42	KC
ARSENIC	6.83	UG/L	0.689	2.756	SM3113B	07/13/2015	14:20	JSM

BENCHMARK
EnviroAnalytical Inc.

NELAC Certification # E84167

Tulay Dinsever 07/14/2015

Dale D. Dixon / Laboratory Director — Date

Tülay Tanrisever/ QC Officer

Deborah A. Murphy / Project Manager

DATA QUALIFIERS THAT MAY APPLY:

A = Value reported is an average of two or more determinations.

B = Results based upon colony counts outside the ideal range.

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

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

J = Estimated value.

J1 = Est. value surrogate recovery limits exceeded.

J2 = Est. value. No quality control criteria exists for component.

J3 = Est. value quality control criteria for precision or accuracy not met.

J4 = Est. value. Sample matrix interference suspected.

J5 = Est. value. Data questionable due to improper lab or field protocols

K = Off-scale low. Value is known to be < the value reported.

L = Off-scale high. Value is known to be > the value reported

NOTES:

PQL = 4xMDL.

MBAS calculated as LAS; molecular weight = 340.

X = Value exceed MCL.

N = Presumptive evidence of presence of material.

O = Sampled, but analysis lost or not performed.

Q = Sample held beyond accepted hold time.

T = Value reported is < MDL. Reported for informational purposes only and shall not be used in statistical analysis.

U = Analyte analyzed but not detected at the value indicated.

V = Analyte detected in sample and method blank.Results for this analyte in associated samples may be biased high. Standard , Duplicate and Spike values are within control limits. Reported data are usable

Y = Analysis performed on an improperly preserved sample. Data may be inaccurate.

Z = Too many colonies were present (TNTC). The numeric value represents the filtration volume.

! = Data deviate from historically established concentration ranges.

? = Data rejected and should not be used. Some or all of QC data were outside criteria, and the Presence or absence of the analyte cannot be determined from the data.

* = Not reported due to interference.

ND = Not Detected at or above adjusted reporting limit.

NOTES:

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

Results relate only to the samples.

Benchmark EnviroAnalytical, Inc.
1711 Twelfth Street East
Palmetto, FL 34221
(941) 723-9986
(941) 723-6061 fax
www.Benchmarkea.com

Adapt*

Client:

Sarasota County Environmental Services
Resource Management
1255 T. Mabry Carlton Parkway
Venice, FL 34292
(941) 650-1112
(941) 480-3558 fax

Project Name: Central County Landfill NAM-3
Purchase Order Number: 151003

Laboratory Submission #: 15070162

Station ID:	Sample Matrix[2]	Sample Type[1]	**Analysis Requested:**			Laboratory Sample #
			Fe, As			
			1:4 HNO3 pH<2 ✓			
NAM-3	GW	Grab	Date & Time: 7/1/15 – 1031			1
			Date & Time:			
			Date & Time:			
			Date & Time:			
			Date & Time:			
			Date & Time:			
			Date & Time:			

1 "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
2 "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), soil, sediment (SDMNT), or sludge (SLDG).
3 "Container Type" is used to indicate whether the container is plastic (P) or glass (G).
4 **Sample must be refrigerated or stored in wet ice after collection. The maximum temperature during storage should be 6°C (42.8°F).**
Under "Preservative," list any preservatives that were added to the sample container.

Laboratory Sample Acceptability: pH <2 ✓
BEAS Temperature:
BEA Temperature: 2.1°c

Instructions:
1. Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis.
2. The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.
3. All bottles not containing preservative may be rinsed with appropriate sample prior to collection.
4. The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.

1	Collector/Relinquished by: Allison Egglestson	Date: 7/1/15	Time: 220 PM	Received By:		Date: 7/1/15	Time: 2:20
2	Relinquished by:	Date: 7/6/14	Time: 1440	Received By:		Date: 7/6/14	Time: 1445
3	Relinquished by:	Date: 7/6/14	Time 1400	Received By:		Date: 7/06/15	Time 1400

*per attached email. 7/6/15

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC		SITE LOCATION: 4000 Knights Trail Rd, Nokomis FL 34275	
WELL NO: DAM-3	SAMPLE ID: 29093		DATE: 7/1/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.42	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.5 feet – 5.42 feet) X 0.16 gallons/foot = 1.5 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6.4	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.4	PURGING INITIATED AT: 1008	PURGING ENDED AT: 1030	TOTAL VOLUME PURGED (gallons): 2.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1022	1.5	1.5	0.11	6.00	6.75	26.59	643	0.81	0.38	pale yellow	
1026	0.4	1.9	0.11	6.02	6.76	26.61	644	0.31	0.64	Sheen	none
1030	0.4	2.3	0.11	6.10	6.75	26.58	645	0.26	1.44	↓	↓
				/	/	/	/	/	/		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota Co.	SAMPLER(S) SIGNATURE(S): Allison Eggleston	SAMPLING INITIATED AT: 1031	SAMPLING ENDED AT: 1031
PUMP OR TUBING DEPTH IN WELL (feet): 6.4	TUBING MATERIAL CODE: LDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
A	1	HDPE	250mL	HNO_3	—	—	Metals, Fe, As	APP	400

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

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

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