Sarasota County

Central County Solid Waste Disposal Complex

Permit Number: 130542-022-SO/01

WACS ID: SWD/58/51614

2016 Semi-Annual Groundwater Report (July – December 2016)

2016 Semi-Annual Surface Water Report (July – December 2016)

January 2017

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

Sarasota County

Sarasota County

Public Utilities – Solid Waste

4000 Knights Trail Rd.
Nokomis, FL 34275

941-861-5000
scgov.net

January 20th, 2017

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
2nd Semi-Annual Groundwater Report (July – December 2017)
2nd Semi-Annual Surface Water Report (July – December 2017)

To Whom It May Concern:

Enclosed are the 2nd Semi-Annual Groundwater and Surface Water Monitoring Reports for 2016 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.

Of the secondary zone of discharge wells, NAM-4, has an exceedence for Arsenic at 16.9 ug/L. Arsenic has been reported above the MCL since the second sampling event of the well in the fall of 2014.

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
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.

1/20/2017
(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

2016 - 2nd 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	**6.46**	**6.32**		**6.41**		**6.25**	**6.28**	**6.01**		**6.42**
Sodium	456 mg/l*										
Chloride	643 mg/l*										

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

2016 - 2nd 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
pH	6.5-8.5				
Total Ammonia	2.8 mg/l				
Iron	6.3 mg/l*				
Manganese	50 ug/l				
Arsenic	10 ug/l				**16.9**
Solids, Total Dissolved	1924 mg/l*				

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

2016 - 1st Semi-Annual Surface Water Evaluation Monitoring Report

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

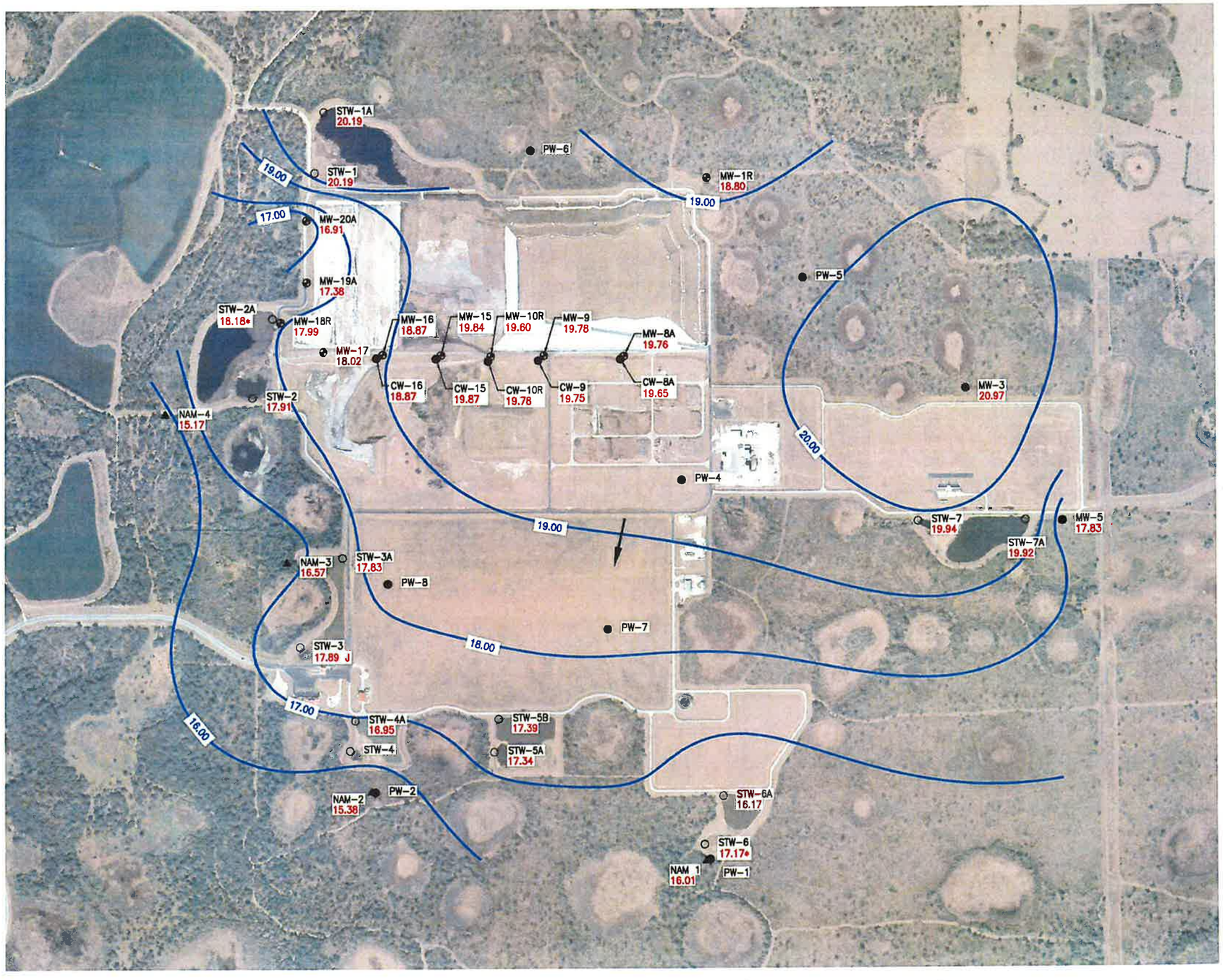
There were no exceedences for Surface Water.

Central County Solid Waste Disposal Complex
Water Elevation Table

Well	Depth to Water (ft)	Top of Casing (ft)	Calculated Water Elevation (ft)
MW-3	2.37	23.340	20.97
MW-5	5.36	23.190	17.83
MW-1R	5.63	24.428	18.80
MW-8A	15.64	35.400	19.76
MW-9	12.30	32.08	19.78
MW-10R	19.89	39.49	19.60
CW-8A	15.39	35.040	19.65
CW-9	6.83	26.582	19.75
CW-10R	7.20	26.982	19.78
MW-15	24.48	44.320	19.84
MW-16	24.86	43.730	18.87
MW-17	28.13	46.150	18.02
MW-18R	10.34	28.330	17.99
CW-15	10.30	30.173	19.87
CW-16	10.71	29.578	18.87
MW-19A	10.14	27.52	17.38
MW-20A	10.47	27.38	16.91
NAM-1	3.86	19.87	16.01
NAM-2	4.64	20.02	15.38
NAM-3	4.05	20.62	16.57
NAM-4	7.49	22.66	15.17

Staff Gauge	Staff Gauge Reading (ft)	Staff Gauge Elevation (ft)	Calculated Water Elevation (ft)
STW1	2.00	21.187 (3')	20.19
STW1A	3.55	22.64 (6')	20.19
STW2	1.60	20.305 (4')	17.91
STW2A	3.00	20.18 (5')	18.18
STW3*	1.70	20.191 (4')	17.89
STW3A	3.40	18.43 (4')	17.83
STW4**		19.342 (4')	
STW4A	3.60	17.35 (4')	16.95
STW5A	1.55	19.788 (4')	17.34
STW5B	3.35	18.04 (4')	17.39
STW6	1.80	19.37 (4')	17.17
STW6A	3.50	17.67 (5')	16.17
STW7	1.65	22.287 (4')	19.94
STW7A	4.90	19.02 (4')	19.92

No value indicates that there was no water at the staff gauge location.
* Value is estimated as vegetation blocked the staff guage.
** Staff guage was uable to be read due to heavy vegetation.
Measured by Alison Eggleston and Chris Murray on 10/31/2016



Troy David Hays PG 2679

Digitally signed by Troy David Hays PG 2679
DN: cn=Troy David Hays PG 2679, o=Jones Edmunds & Associates, Inc., ou, email=thays@jonesedmunds.com, c=US
Date: 2017.01.20 09:07:43 -05'00'

1/20/17

-N-

GRAPHIC SCALE

0 500 1000 2000

SCALE IN FEET
1"=1000'

LEGEND

MW-8A 19.65	GROUNDWATER MONITORING WELL
NAM-1 16.01	NATURAL ATTENUATION MONITORING WELL
PW-7	PIEZOMETER WELL
STW-7 19.94	STAFF GAUGE
20.00	GROUNDWATER CONTOUR AT 1.00 FOOT INTERVALS
	GROUNDWATER FLOW DIRECTION
17.89 J	ESTIMATED VALUE
17.17*	NOT USED IN CONTOURING

SARASOTA COUNTY CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX GROUNDWATER CONTOUR MAP OCTOBER 31, 2016

JONES EDMUNDS

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: 10/28/2021

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.25	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: **1 WELL VOLUME** = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.5 feet – 10.25 feet) X 0.16 gallons/foot = 2.0 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): 11.3	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0	PURGING INITIATED AT: 0956	PURGING ENDED AT: 1035	TOTAL VOLUME PURGED (gallons): 3.2

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)
1021	2.0	2.0	0.08	11.42	6.42	27.91	707	0.13	0.59	MED. AMBER/GREEN	SLIGHT METALLIC SHEEN
1028	0.6	2.6	0.08	11.46	6.42	27.99	700	0.12	0.52	↓	↓
1035	0.6	3.2	0.08	11.49	6.42	27.98	693	0.12	0.66	↓	↓

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):	SAMPLING INITIATED AT: 1036	SAMPLING ENDED AT: 1048
PUMP OR TUBING DEPTH IN WELL (feet): 12.5	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)					
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	↓
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-18R	SAMPLE ID: 29095	DATE: 10/25/2016

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.23	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 – 10.23 feet) X 0.16 gallons/foot = 1.3 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.2	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0	PURGING INITIATED AT: 1122	PURGING ENDED AT: 1149	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)
1139	1.4	1.4	0.08	11.04	6.01	29.11	578	0.08	6.27	YELLOW AMBER METALLIC FLECK	
1144	0.4	1.8	0.08	11.05	6.01	29.13	578	0.08	6.73	"	"
1149	0.4	2.2	0.08	11.07	6.01	29.00	578	0.06	6.64	"	"

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):	SAMPLING INITIATED AT: 1150	SAMPLING ENDED AT: 1201
PUMP OR TUBING DEPTH IN WELL (feet): 12.0	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING X ((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	"
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)

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: 10/26/16

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 3.50	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.5 feet – 3.50 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): 4.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 4.5	PURGING INITIATED AT: 0857	PURGING ENDED AT: 0925	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)
0915	1.8	1.8	0.1	4.01	6.75	25.31	891	0.45	5.47		
0920	0.5	2.3	0.1	4.01	6.74	25.38	898	0.32	3.67		
0925	0.5	2.8	0.1	4.01	6.70	25.34	904	0.23	2.74		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: CARL MURRAY (SARASOTA COUNTY)	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0926	SAMPLING ENDED AT: 0931
PUMP OR TUBING DEPTH IN WELL (feet): 4.5	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					
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)
B A ME	1	HDPE	500 mL 250 ME	HNO3 & wet ice	N/A	< 2	Metals	APP	400
A B ME	1	HDPE	250 mL 500 ME	H2SO4 & wet ice	N/A	< 2	Total Ammonia	APP	400
C	1	HDPE	1L	~~H2SO4 & wet ice~~ wet ice ME	N/A	NA	Misc. Inorganics	APP	400

REMARKS:

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis, FL 34275	
WELL NO: NAM-2	SAMPLE ID: 29092	DATE: 10/26/16

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.46	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 – 4.46 feet) X 0.16 gallons/foot = 1.6 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5.5	PURGING INITIATED AT: 1003	PURGING ENDED AT: 1027	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)
1019	1.6	1.6	0.1	4.56	6.86	25.97	788	0.53	5.66	Pale Yellow	Sulfur/Iron
1023	0.4	2.0	0.1	4.56	6.85	26.00	783	0.44	5.03	↓	↓
1027	0.4	2.4	0.1	4.56	6.85	26.00	781	0.35	3.48	↓	↓

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: Chris Murray / Sarasota County	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1028	SAMPLING ENDED AT: 1033
PUMP OR TUBING DEPTH IN WELL (feet): 5.5	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					
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)
BA AE	1	HDPE	500 mL AE	HNO3 & wet ice	N/A	\	Metals	APP	400
A-B AE	1	HDPE	250 mL AE	H2SO4 & wet ice	N/A	\	Total Ammonia	APP	400
C112 AE	1	HDPE	1L	~~H2SO4 &~~ wet ice AE	N/A	\	Misc. Inorganics	APP	400

REMARKS:

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis, FL 34275	
WELL NO: NAM-3	SAMPLE ID: 29093	DATE: 10/26/16

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): ~~1/8~~ 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 3.79	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 – 3.79 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: 1101	PURGING ENDED AT: 1128	TOTAL VOLUME PURGED (gallons): 2.7

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)
1118	1.7	1.7	0.1	4.3	6.72	24.57	578	0.81	4.38	PALE [illegible]	METALLIC/SULFIDE
1123	0.5	2.2	0.1	4.31	6.72	24.56	578	0.57	4.10	|	|
1128	0.5	2.7	0.1	4.31	6.72	24.58	578	0.46	2.81	|	|

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Murray / Sarasota County	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1129	SAMPLING ENDED AT: 1135
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			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			
~~B~~ A AE	1	HDPE	~~250~~ 500 mL AE	HNO3 & wet ice	N/A	—	Metals	APP	400
~~A~~ B AE	1	HDPE	~~500~~ 250 mL AE	H2SO4 & wet ice	N/A	—	Total Ammonia	APP	400
~~C1122~~ AE	1	HDPE	1L	~~H2SO4 &~~ AE wet ice	N/A	—	Misc. Inorganics	APP	400

REMARKS:

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC		SITE LOCATION: 4000 Knights Trail Rd, Nokomis, FL 34275
WELL NO: NAM-4	SAMPLE ID: 29094	DATE: 10/26/16

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.31	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 – 7.31 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): 8.3	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.3	PURGING INITIATED AT: 1200	PURGING ENDED AT: 1017	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)
1215	1.2	1.2	0.08	7.78	6.61	26.60	786	0.97	16.2	PALE YEL	SL-PUR/SHEEN
1219	0.3	1.5	0.08	7.75	6.61	26.57	785	0.74	14.7	↓	↓
1223	0.3	1.8	0.08	7.75	6.57	26.62	773	0.84	12.9		↓

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Murray / Sarasota County	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1224	SAMPLING ENDED AT: 1229
PUMP OR TUBING DEPTH IN WELL (feet): 8.3	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 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)
B ~~A~~ AE	1	HDPE	250 ~~500 mL~~ AE	HNO3 & wet ice	N/A	—	Metals	APP	300
A ~~B~~ AE	1	HDPE	500 ~~250 mL~~ AE	H2SO4 & wet ice	N/A	—	Total Ammonia	APP	300
~~C 1123~~ AE	1	HDPE	1L	~~H2SO4 &~~ wet ice AE	N/A	—	Misc. Inorganics	APP	300

REMARKS:

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis, FL 34275	
WELL NO:MW-1R	SAMPLE ID: 20585	DATE: 10/26/16

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.38	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15.7 feet – 5.38 feet) X 0.16 gallons/foot = 1.7 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6.4	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.0	PURGING INITIATED AT: 1300	PURGING ENDED AT: 1334	TOTAL VOLUME PURGED (gallons): 3.3

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)
1327	1.8	1.8	0.08	6.21	6.49	26.84	515	0.12	5.61	MED YELLOW	SULFUR/SWEET
1329	0.5	2.3	0.08	6.26	6.40	26.90	527	0.16	4.15	↓	↓
1334	1.5	2.8	0.08	6.29	6.46	26.83	533	0.13	3.78	↓	↓

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: CHRIS MURRAY / SARASOTA COUNTY	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1335	SAMPLING ENDED AT: 1345
PUMP OR TUBING DEPTH IN WELL (feet): 7.0	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					
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. 1	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. 1	APP	
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A	—	Nutrients – App. 1	APP	
H	1	HDPE	1 L	Wet Ice	N/A	N/A	Misc.Inorg. App 1	APP	

REMARKS:

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Road, Nokomis, FL 34275	
WELL NO: MW-19A	SAMPLE ID: 27140	DATE: 10/27/2016

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): 9.98	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 – 9.98 feet) X 0.16 gallons/foot = 2.0 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): 11.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0	PURGING INITIATED AT: 0818	PURGING ENDED AT: 0857	TOTAL VOLUME PURGED (gallons): 3.2

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)
0843	2.0	2.0	0.08	10.89	6.60	27.82	861	0.25	0.62	PALE YELLOW	SULFUR/SHELL
0850	0.6	2.6	0.08	10.91	6.61	27.89	857	0.19	0.70	"	"
0857	0.6	3.2	0.08	10.94	6.63	27.91	892	0.12	2.02	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: CHRIS MURRAY / SARASOTA COUNTY	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0858	SAMPLING ENDED AT: 0910
PUMP OR TUBING DEPTH IN WELL (feet): 12.0	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			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	
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; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Road, Nokomis, FL 34275	
WELL NO: MW-9	SAMPLE ID: 4509	DATE: 10/27/2016

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): 12.16	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.8 feet – 12.16 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): 13.1	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.0	PURGING INITIATED AT: 0947	PURGING ENDED AT: 1014	TOTAL VOLUME PURGED (gallons): 2.7

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)
1054	1.7	1.7	0.1	12.71	6.48	29.41	1886	0.13	1.35	PALE YELLOW	SULFUR/ROTTEN
1009	0.5	2.2	0.1	12.71	6.49	29.51	1885	0.12	0.89	↓	↓
1014	0.5	2.7	0.1	12.71	6.50	29.50	1885	0.12	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: CHRIS MURRAY / SARASOTA COUNTY	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1025	SAMPLING ENDED AT: 1028
PUMP OR TUBING DEPTH IN WELL (feet): 15.0	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					
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	400
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; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Road, Nokomis, FL 34275	
WELL NO: MW-8A	SAMPLE ID: 21453	DATE: 10/27/2016

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 15.61	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 – 15.61 feet) X 0.16 gallons/foot = 1.1 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 16.6	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 16.6	PURGING INITIATED AT: 1053	PURGING ENDED AT: 1115	TOTAL VOLUME PURGED (gallons): 1.7

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)
1107	1.1	1.1	0.08	16.06	6.31	27.16	1424	0.13	2.03	PALE AMBER	SULFUR/SLIGHT
1111	0.3	1.4	0.08	16.06	6.30	27.14	1476	0.09	1.19	"	"
1115	0.3	1.7	0.08	16.06	6.32	27.00	1474	0.08	1.36	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: CHRIS MURRAY / SARASOTA COUNTY	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1116	SAMPLING ENDED AT: 1128
PUMP OR TUBING DEPTH IN WELL (feet): 16.6	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					
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	
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: ONE VOC IN 8260 BROKEN IN FIELD

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

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

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

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

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

Revision Date: February 12, 2009

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: 6/27/2016

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 28.06	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (32.6 feet – 28.06 feet) X 0.16 gallons/foot = 0.7 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): 29.1	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29.1	PURGING INITIATED AT: 1241	PURGING ENDED AT: 1303	TOTAL VOLUME PURGED (gallons): 1.1

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or ~~µS/cm~~	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1255	0.7	0.7	0.05	28.39	6.25	29.10	1772	0.07	1.50	PALE YELLOW SULFUR/SHEEN	
1259	0.2	0.9	0.05	28.38	6.26	29.13	1778	0.04	4.10	/	/
1303	0.2	1.1	0.05	28.38	6.28	29.12	1788	0.03	1.83	/	/

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):	SAMPLING INITIATED AT: 1304	SAMPLING ENDED AT: 1319
PUMP OR TUBING DEPTH IN WELL (feet): 29.1	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, 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 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: 11/2/2016

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 24.97	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 – 24.97 feet) X 0.16 gallons/foot = 0.9 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26.0	PURGING INITIATED AT: 0839	PURGING ENDED AT: 0907	TOTAL VOLUME PURGED (gallons): 1.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0857	0.9	0.9	0.05	Top bottom of pump	6.24	28.39	2426	0.05	1.10	MED YELLOW	METALLIC/SHEE
0902	0.3	1.2	0.05	26.0 Top of pump	6.24	28.48	2415	0.04	0.99	↓	↓
0907	0.3	1.5	0.05	25.6. Air drawn.	6.25	28.42	2399	0.04	1.24	↓	↓

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):	SAMPLING INITIATED AT: 0908	SAMPLING ENDED AT: 0926
PUMP OR TUBING DEPTH IN WELL (feet): 26.0	TUBING MATERIAL CODE: ~~HDPE~~ LDPE ok	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	< 2	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	< 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-15	SAMPLE ID: 23031	DATE: 11/2/2016

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 24.70	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 – 24.70 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): 25.7	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25.7	PURGING INITIATED AT: 0950	PURGING ENDED AT: 1018	TOTAL VOLUME PURGED (gallons): 1.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1008	0.9	0.9	0.05	BTW BOTTOM OF PUMP 25.7 AND 25.1 NO GAIN OF FOUND	6.57	28.29	3713	0.04	1.21	AMBER	METALLIC/SHEEN
1013	0.3	1.2	0.05		6.57	28.38	3715	0.03	2.39	↓	↓
1018	0.3	1.5	0.05		6.58	28.42	3718	0.01	2.36		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1019	SAMPLING ENDED AT: 1032
PUMP OR TUBING DEPTH IN WELL (feet): 25.7	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 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: 11/2/2016

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 20.08	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)
= (30.2 feet – 20.08 feet) X 0.16 gallons/foot = 1.6 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21.1	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21.1	PURGING INITIATED AT: 1112	PURGING ENDED AT: 1142	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)
1132	1.6	1.6	0.08	BTW BOTTOM OF PUMP	6.42	29.66	1700	0.08	1.49	LIGHT AMBER	NONE (SHEEN)
1137	0.4	2.0	0.08	21.1 AND	6.41	29.62	1679	0.07	0.69	↓	↓
1142	0.4	2.4	0.08	20.8 NO DRAWN AIR.	6.41	29.57	1665	6.04	0.61	↓	↓

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):	SAMPLING INITIATED AT: 1143	SAMPLING ENDED AT: 1157
PUMP OR TUBING DEPTH IN WELL (feet): 21.1	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	<2	8260-vocs App. I	APP ESP	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	<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-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: FLAGLER COUNTY 2ND QTR SAMPLERS: CM/AE METER # VSI-556

STATION NUMBER	STATION DESCRIPTION	PARAMETER	DATE	TIME	TOTAL DEPTH	SAMPLE DEPTH	WATER TEMP	DO	%SAT DO	COND	SALINITY	PH	TURBIDITY
		UNIT	yy/mm/dd	hr:min	feet	feet	Celsius	mg/L	%	µS/cm	ppt	su	NTU
		STORET CODE	73672		81903	68	10	299	301	94	480	400	82078
28824	Pond 1		16/10/31	09:15	1.5	0.5	23.03	6.17	—	367	—	7.20	21.5
28825	Pond 2		16/10/31	09:56	1.5	0.5	23.11	3.84	—	409	—	6.69	46.2

FIELD CONDITIONS FOR STATION# _____ AT TIME_____:

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

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

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

Revision Date: February 1, 2004

Pace Analytical®
www.pacelabs.com

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

January 04, 2017

REVIEWED
By Cesar Rodriguez-Palacios at 3:24 pm, Jan 05, 2017

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

RE: Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Dear Mr. Rodriquez:
Enclosed are the analytical results for sample(s) received by the laboratory between October 26, 2016 and November 03, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Joe Vondrick
joe.vondrick@pacelabs.com
Project Manager

Enclosures

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

Pace Analytical Services, LLC
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CERTIFICATIONS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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
Virginia/VELAP Certification #: 460222

Pace Analytical Services, LLC
8 East Tower Circle
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SAMPLE SUMMARY

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35272484001	MW-20A	Water	10/25/16 10:36	10/26/16 00:43
35272484002	MW-18R	Water	10/25/16 11:50	10/26/16 00:43
35272484003	Trip Blank 102516	Water	10/25/16 00:01	10/26/16 00:43
35272736001	MW-1R	Water	10/26/16 13:35	10/27/16 00:01
35272737001	NAM-1	Water	10/26/16 09:26	10/27/16 00:01
35272737002	NAM-2	Water	10/26/16 10:28	10/27/16 00:01
35272737003	NAM-3	Water	10/26/16 11:29	10/27/16 00:01
35272737004	NAM-4	Water	10/26/16 12:24	10/27/16 00:01
35272737005	NAM-1 Dup	Water	10/26/16 09:26	10/27/16 00:01
35272737006	NAM Field Blank	Water	10/26/16 08:45	10/27/16 00:01
35272924001	MW-19A	Water	10/27/16 08:58	10/28/16 00:10
35272924002	MW-9	Water	10/27/16 10:15	10/28/16 00:10
35272924003	MW-8A	Water	10/27/16 11:16	10/28/16 00:10
35272924004	Equip Blank 102716	Water	10/27/16 12:15	10/28/16 00:10
35272924005	MW-17	Water	10/27/16 13:04	10/28/16 00:10
35272924006	Trip Blank 102716	Water	10/27/16 13:04	10/28/16 00:10
35273562001	Pond 1	Water	10/31/16 09:00	10/31/16 23:59
35273563001	Field Blank 103116	Water	10/31/16 09:15	10/31/16 23:59
35273563002	Trip Blank FB	Water	10/31/16 08:00	10/31/16 23:59
35273565001	Pond 2	Water	10/31/16 09:50	10/31/16 23:59
35273565002	Pond 2 DUP	Water	10/31/16 09:50	10/31/16 23:59
35273565003	Trip Blank (B)	Water	10/31/16 08:00	10/31/16 23:59
35274180001	MW-16	Water	11/02/16 09:08	11/03/16 00:20
35274180002	MW-15	Water	11/02/16 10:19	11/03/16 00:20
35274180003	MW-10R	Water	11/02/16 11:43	11/03/16 00:20
35274180004	Equip Blank 110216	Water	11/02/16 12:10	11/03/16 00:20
35274180005	Trip Blank 110216	Water	11/02/16 12:10	11/03/16 00:20

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35272484001	MW-20A	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	16	PASI-O
		EPA 6020	KMW	2	PASI-O
		EPA 7470	RVK	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	TDH	1	PASI-O
		EPA 300.0	KEK	2	PASI-O
		EPA 350.1	CMD	1	PASI-O
		EPA 353.2	JWH	1	PASI-O
35272484002	MW-18R	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	16	PASI-O
		EPA 6020	KMW	2	PASI-O
		EPA 7470	RVK	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	TDH	1	PASI-O
		EPA 300.0	KEK	2	PASI-O
		EPA 350.1	CMD	1	PASI-O
		EPA 353.2	JWH	1	PASI-O
35272484003	Trip Blank 102516	EPA 8260	SK1	48	PASI-O
35272736001	MW-1R	EPA 8011	SMH	2	PASI-O
		EPA 6010	CKJ	16	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	TDH	1	PASI-O
		EPA 300.0	KEK	2	PASI-O
		EPA 350.1	CMD	1	PASI-O
		EPA 353.2	JWH	1	PASI-O
35272737001	NAM-1	EPA 6010	CKJ	2	PASI-O
		EPA 6020	DRS	1	PASI-O
		SM 2540C	TDH	1	PASI-O
		EPA 350.1	CMD	1	PASI-O
35272737002	NAM-2	EPA 6010	CKJ	2	PASI-O
		EPA 6020	DRS	1	PASI-O
		SM 2540C	TDH	1	PASI-O
		EPA 350.1	CMD	1	PASI-O
35272737003	NAM-3	EPA 6010	CKJ	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020	DRS	1	PASI-O
		SM 2540C	TDH	1	PASI-O
		EPA 350.1	CMD	1	PASI-O
35272737004	NAM-4	EPA 6010	CKJ	2	PASI-O
		EPA 6020	DRS	1	PASI-O
		SM 2540C	TDH	1	PASI-O
		EPA 350.1	CMD	1	PASI-O
35272737005	NAM-1 Dup	EPA 6010	CKJ	2	PASI-O
		EPA 6020	DRS	1	PASI-O
		SM 2540C	TDH	1	PASI-O
		EPA 350.1	CMD	1	PASI-O
35272737006	NAM Field Blank	EPA 6010	CKJ	2	PASI-O
		EPA 6020	DRS	1	PASI-O
		SM 2540C	ALD	1	PASI-O
		EPA 350.1	CMD	1	PASI-O
35272924001	MW-19A	EPA 8011	CRT	2	PASI-O
		EPA 6010	CKJ	16	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	BTN	48	PASI-O
		SM 2540C	ALD	1	PASI-O
		EPA 300.0	CMB	2	PASI-O
		EPA 350.1	CMD	1	PASI-O
		EPA 353.2	JWH	1	PASI-O
35272924002	MW-9	EPA 8011	CRT	2	PASI-O
		EPA 6010	CKJ	16	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	BTN	48	PASI-O
		SM 2540C	ALD	1	PASI-O
		EPA 300.0	CMB	2	PASI-O
		EPA 350.1	CMD	1	PASI-O
		EPA 353.2	JWH	1	PASI-O
35272924003	MW-8A	EPA 8011	CRT	2	PASI-O
		EPA 6010	CKJ	16	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	BTN	48	PASI-O
		SM 2540C	ALD	1	PASI-O
		EPA 300.0	CMB	2	PASI-O
		EPA 350.1	CMD	1	PASI-O
		EPA 353.2	JWH	1	PASI-O
35272924004	**Equip Blank 102716**	EPA 8011	CRT	2	PASI-O
		EPA 6010	CKJ	16	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	BTN	48	PASI-O
		SM 2540C	TDH	1	PASI-O
		EPA 300.0	CMB	2	PASI-O
		EPA 350.1	CMD	1	PASI-O
		EPA 353.2	JWH	1	PASI-O
35272924005	**MW-17**	EPA 8011	CRT	2	PASI-O
		EPA 6010	CKJ	16	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	BTN	48	PASI-O
		SM 2540C	TDH	1	PASI-O
		EPA 300.0	CMB	2	PASI-O
		EPA 350.1	CMD	1	PASI-O
		EPA 353.2	JWH	1	PASI-O
35272924006	**Trip Blank 102716**	EPA 8260	BTN	48	PASI-O
35273562001	**Pond 1**	EPA 8011	CRT	2	PASI-O
		EPA 6010	CKJ	8	PASI-O
		EPA 6020	DRS	9	PASI-O
		EPA 1631E	ANB	1	PASI-A
		EPA 8260	SK1	48	PASI-O
		SM 2540C	ALD	1	PASI-O
		SM 2540D	TDH	1	PASI-O
		SM 5210B	CMB	1	PASI-O
		SM10200	JWH	1	PASI-O
		TKN+NOx Calculation	TLK	1	PASI-O
		EPA 350.1	CMD	2	PASI-O
		EPA 351.2	RT1	1	PASI-O
		EPA 353.2	JAM	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 365.4	RT1	1	PASI-O
		EPA 410.4	TDH	1	PASI-O
		SM 5310B	AEM	1	PASI-O
35273563001	**Field Blank 103116**	EPA 8011	CRT	2	PASI-O
		EPA 6010	CKJ	8	PASI-O
		EPA 6020	DRS	9	PASI-O
		EPA 1631E	ANB	1	PASI-A
		EPA 8260	SK1	48	PASI-O
		SM 2540C	ALD	1	PASI-O
		SM 2540D	TDH	1	PASI-O
		SM 5210B	CMB	1	PASI-O
		SM10200	JWH	1	PASI-O
		TKN+NOx Calculation	TLK	1	PASI-O
		EPA 350.1	CMD	1	PASI-O
		EPA 351.2	RT1	1	PASI-O
		EPA 353.2	JAM	2	PASI-O
		EPA 365.4	RT1	1	PASI-O
		EPA 410.4	TDH	1	PASI-O
		SM 5310B	AEM	1	PASI-O
35273563002	**Trip Blank FB**	EPA 8260	SK1	48	PASI-O
35273565001	**Pond 2**	EPA 8011	CRT	2	PASI-O
		EPA 6010	CKJ	8	PASI-O
		EPA 6020	DRS	9	PASI-O
		EPA 1631E	ANB	1	PASI-A
		EPA 8260	SK1	48	PASI-O
		SM 2540C	ALD	1	PASI-O
		SM 2540D	TDH	1	PASI-O
		SM 5210B	CMB	1	PASI-O
		SM10200	JWH	1	PASI-O
		TKN+NOx Calculation	TLK	1	PASI-O
		EPA 350.1	CMD	2	PASI-O
		EPA 351.2	RT1	1	PASI-O
		EPA 353.2	JAM	2	PASI-O
		EPA 365.4	RT1	1	PASI-O
		EPA 410.4	TDH	1	PASI-O
		SM 5310B	AEM	1	PASI-O
35273565002	**Pond 2 DUP**	EPA 8011	CRT	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	CKJ	8	PASI-O
		EPA 6020	DRS	9	PASI-O
		EPA 1631E	ANB	1	PASI-A
		EPA 8260	SK1	48	PASI-O
		SM 2540C	ALD	1	PASI-O
		SM 2540D	TDH	1	PASI-O
		SM 5210B	CMB	1	PASI-O
		SM10200	JWH	1	PASI-O
		TKN+NOx Calculation	TLK	1	PASI-O
		EPA 350.1	CMD	2	PASI-O
		EPA 351.2	RT1	1	PASI-O
		EPA 353.2	JAM	2	PASI-O
		EPA 365.4	RT1	1	PASI-O
		EPA 410.4	TDH	1	PASI-O
		SM 5310B	AEM	1	PASI-O
35273565003	**Trip Blank (B)**	EPA 8260	SK1	48	PASI-O
35274180001	**MW-16**	EPA 8011	CRT	2	PASI-O
		EPA 6010	CKJ	16	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	RVK	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	ALD	1	PASI-O
		EPA 300.0	KEK	2	PASI-O
		EPA 350.1	CMD	1	PASI-O
		EPA 353.2	JWH	1	PASI-O
35274180002	**MW-15**	EPA 8011	CRT	2	PASI-O
		EPA 6010	CKJ, RVK	16	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	RVK	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	ALD	1	PASI-O
		EPA 300.0	KEK	2	PASI-O
		EPA 350.1	CMD	1	PASI-O
		EPA 353.2	JWH	1	PASI-O
35274180003	**MW-10R**	EPA 8011	CRT	2	PASI-O
		EPA 6010	CKJ	16	PASI-O
		EPA 6020	DRS	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470	RVK	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	ALD	1	PASI-O
		EPA 300.0	KEK	2	PASI-O
		EPA 350.1	CMD	1	PASI-O
		EPA 353.2	JWH	1	PASI-O
35274180004	**Equip Blank 110216**	EPA 8011	CRT	2	PASI-O
		EPA 6010	CKJ	16	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	RVK	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	ALD	1	PASI-O
		EPA 300.0	KEK	2	PASI-O
		EPA 350.1	CMD	1	PASI-O
		EPA 353.2	JWH	1	PASI-O
35274180005	**Trip Blank 110216**	EPA 8260	SK1	48	PASI-O

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-20A **Lab ID: 35272484001** Collected: 10/25/16 10:36 Received: 10/26/16 00:43 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	6.42	Std. Units			1		10/25/16 10:36		
Field Temperature	27.98	deg C			1		10/25/16 10:36		
Field Specific Conductance	693	umhos/cm			1		10/25/16 10:36		
Oxygen, Dissolved	0.12	mg/L			1		10/25/16 10:36	7782-44-7	
Turbidity	0.66	NTU			1		10/25/16 10:36		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	0.0047 U	ug/L	0.019	0.0047	1	10/28/16 13:04	10/28/16 19:01	96-12-8	J(M0), L3
1,2-Dibromoethane (EDB)	0.0072 U	ug/L	0.0096	0.0072	1	10/28/16 13:04	10/28/16 19:01	106-93-4	J(M0), L3
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	5.7 I	ug/L	10.0	5.0	1	10/30/16 22:48	10/31/16 16:39	7440-38-2	
Barium	40.5	ug/L	10.0	5.0	1	10/30/16 22:48	10/31/16 16:39	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	10/30/16 22:48	10/31/16 16:39	7440-41-7	
Cadmium	2.9	ug/L	1.0	0.50	1	10/30/16 22:48	10/31/16 16:39	7440-43-9	
Chromium	2.5 U	ug/L	5.0	2.5	1	10/30/16 22:48	10/31/16 16:39	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	10/30/16 22:48	10/31/16 16:39	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	10/30/16 22:48	10/31/16 16:39	7440-50-8	
Iron	3570	ug/L	40.0	20.0	1	10/30/16 22:48	10/31/16 16:39	7439-89-6	
Lead	5.0 U	ug/L	10.0	5.0	1	10/30/16 22:48	10/31/16 16:39	7439-92-1	
Manganese	16.1	ug/L	5.0	2.5	1	10/30/16 22:48	10/31/16 16:39	7439-96-5	
Nickel	2.5 U	ug/L	5.0	2.5	1	10/30/16 22:48	10/31/16 16:39	7440-02-0	
Selenium	7.5 U	ug/L	15.0	7.5	1	10/30/16 22:48	10/31/16 16:39	7782-49-2	
Silver	2.5 U	ug/L	5.0	2.5	1	10/30/16 22:48	10/31/16 16:39	7440-22-4	
Sodium	4.9	mg/L	1.0	0.50	1	10/30/16 22:48	10/31/16 16:39	7440-23-5	
Vanadium	5.0 U	ug/L	10.0	5.0	1	10/30/16 22:48	10/31/16 16:39	7440-62-2	
Zinc	10.0 U	ug/L	20.0	10.0	1	10/30/16 22:48	10/31/16 16:39	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	10/30/16 22:48	11/01/16 11:32	7440-36-0	
Thallium	0.50 U	ug/L	1.0	0.50	1	10/30/16 22:48	11/01/16 11:32	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	0.10 U	ug/L	0.20	0.10	1	11/02/16 07:56	11/02/16 13:51	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	10.0 U	ug/L	20.0	10.0	1		11/03/16 18:05	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		11/03/16 18:05	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		11/03/16 18:05	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		11/03/16 18:05	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		11/03/16 18:05	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		11/03/16 18:05	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		11/03/16 18:05	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		11/03/16 18:05	78-93-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-20A **Lab ID: 35272484001** Collected: 10/25/16 10:36 Received: 10/26/16 00:43 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		11/03/16 18:05	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 18:05	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 18:05	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 18:05	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 18:05	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 18:05	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 18:05	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 18:05	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 18:05	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 18:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 18:05	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 18:05	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 18:05	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 18:05	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:05	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 18:05	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	89-111		1		11/03/16 18:05	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	75-135		1		11/03/16 18:05	17060-07-0	
Toluene-d8 (S)	95	%	89-112		1		11/03/16 18:05	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**365**	mg/L	5.0	5.0	1		10/27/16 15:33		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-20A **Lab ID: 35272484001** Collected: 10/25/16 10:36 Received: 10/26/16 00:43 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**4.1 I**	mg/L	5.0	2.5	1		10/27/16 21:25	16887-00-6	
Sulfate	**2.5 U**	mg/L	5.0	2.5	1		10/27/16 21:25	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**1.7**	mg/L	0.050	0.020	1		11/05/16 09:02	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		10/26/16 12:24		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-18R **Lab ID: 35272484002** Collected: 10/25/16 11:50 Received: 10/26/16 00:43 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	6.01	Std. Units			1		10/25/16 11:50		
Field Temperature	29.00	deg C			1		10/25/16 11:50		
Field Specific Conductance	578	umhos/cm			1		10/25/16 11:50		
Oxygen, Dissolved	0.06	mg/L			1		10/25/16 11:50	7782-44-7	
Turbidity	6.64	NTU			1		10/25/16 11:50		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	0.0047 U	ug/L	0.019	0.0047	1	10/28/16 13:04	10/28/16 20:02	96-12-8	L3
1,2-Dibromoethane (EDB)	0.0072 U	ug/L	0.0095	0.0072	1	10/28/16 13:04	10/28/16 20:02	106-93-4	L3
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	10.4	ug/L	10.0	5.0	1	10/30/16 22:48	10/31/16 16:43	7440-38-2	
Barium	20.3	ug/L	10.0	5.0	1	10/30/16 22:48	10/31/16 16:43	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	10/30/16 22:48	10/31/16 16:43	7440-41-7	
Cadmium	2.6	ug/L	1.0	0.50	1	10/30/16 22:48	10/31/16 16:43	7440-43-9	
Chromium	2.5 U	ug/L	5.0	2.5	1	10/30/16 22:48	10/31/16 16:43	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	10/30/16 22:48	10/31/16 16:43	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	10/30/16 22:48	10/31/16 16:43	7440-50-8	
Iron	10300	ug/L	40.0	20.0	1	10/30/16 22:48	10/31/16 16:43	7439-89-6	
Lead	5.0 U	ug/L	10.0	5.0	1	10/30/16 22:48	10/31/16 16:43	7439-92-1	
Manganese	7.7	ug/L	5.0	2.5	1	10/30/16 22:48	10/31/16 16:43	7439-96-5	
Nickel	2.5 U	ug/L	5.0	2.5	1	10/30/16 22:48	10/31/16 16:43	7440-02-0	
Selenium	7.5 U	ug/L	15.0	7.5	1	10/30/16 22:48	10/31/16 16:43	7782-49-2	
Silver	2.5 U	ug/L	5.0	2.5	1	10/30/16 22:48	10/31/16 16:43	7440-22-4	
Sodium	8.9	mg/L	1.0	0.50	1	10/30/16 22:48	10/31/16 16:43	7440-23-5	
Vanadium	5.0 U	ug/L	10.0	5.0	1	10/30/16 22:48	10/31/16 16:43	7440-62-2	
Zinc	10.0 U	ug/L	20.0	10.0	1	10/30/16 22:48	10/31/16 16:43	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	10/30/16 22:48	11/01/16 11:35	7440-36-0	
Thallium	0.50 U	ug/L	1.0	0.50	1	10/30/16 22:48	11/01/16 11:35	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	0.10 U	ug/L	0.20	0.10	1	11/02/16 07:56	11/02/16 13:58	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	10.0 U	ug/L	20.0	10.0	1		11/03/16 18:30	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		11/03/16 18:30	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		11/03/16 18:30	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		11/03/16 18:30	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		11/03/16 18:30	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		11/03/16 18:30	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		11/03/16 18:30	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		11/03/16 18:30	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		11/03/16 18:30	75-15-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-18R **Lab ID: 35272484002** Collected: 10/25/16 11:50 Received: 10/26/16 00:43 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		11/03/16 18:30	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 18:30	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 18:30	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 18:30	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 18:30	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 18:30	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 18:30	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 18:30	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 18:30	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 18:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 18:30	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 18:30	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 18:30	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 18:30	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 18:30	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 18:30	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	89-111		1		11/03/16 18:30	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	75-135		1		11/03/16 18:30	17060-07-0	
Toluene-d8 (S)	95	%	89-112		1		11/03/16 18:30	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**312**	mg/L	5.0	5.0	1		10/27/16 15:33		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**10.3**	mg/L	5.0	2.5	1		10/27/16 21:44	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-18R **Lab ID: 35272484002** Collected: 10/25/16 11:50 Received: 10/26/16 00:43 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**2.5 U**	mg/L	5.0	2.5	1		10/27/16 21:44	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**16.4**	mg/L	0.050	0.020	1		11/05/16 08:54	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		10/26/16 12:23		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Trip Blank 102516 **Lab ID: 35272484003** Collected: 10/25/16 00:01 Received: 10/26/16 00:43 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		11/03/16 16:52	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 16:52	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/03/16 16:52	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/03/16 16:52	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/03/16 16:52	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 16:52	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 16:52	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 16:52	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/03/16 16:52	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/03/16 16:52	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 16:52	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 16:52	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/03/16 16:52	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 16:52	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/03/16 16:52	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/03/16 16:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/03/16 16:52	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/03/16 16:52	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/03/16 16:52	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/03/16 16:52	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/03/16 16:52	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/03/16 16:52	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Trip Blank 102516 **Lab ID: 35272484003** Collected: 10/25/16 00:01 Received: 10/26/16 00:43 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	102	%	89-111		1		11/03/16 16:52	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	75-135		1		11/03/16 16:52	17060-07-0	
Toluene-d8 (S)	96	%	89-112		1		11/03/16 16:52	2037-26-5	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-1R **Lab ID: 35272736001** Collected: 10/26/16 13:35 Received: 10/27/16 00:01 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	6.46	Std. Units			1		10/26/16 13:35		
Field Temperature	26.83	deg C			1		10/26/16 13:35		
Field Specific Conductance	533	umhos/cm			1		10/26/16 13:35		
Oxygen, Dissolved	0.13	mg/L			1		10/26/16 13:35	7782-44-7	
Turbidity	3.78	NTU			1		10/26/16 13:35		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	0.0048 U	ug/L	0.019	0.0048	1	10/28/16 13:04	10/28/16 20:17	96-12-8	L3
1,2-Dibromoethane (EDB)	0.0073 U	ug/L	0.0097	0.0073	1	10/28/16 13:04	10/28/16 20:17	106-93-4	L3
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	8.4 I	ug/L	10.0	5.0	1	11/03/16 11:17	11/07/16 12:46	7440-38-2	
Barium	49.8	ug/L	10.0	5.0	1	11/03/16 11:17	11/07/16 12:46	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	11/03/16 11:17	11/07/16 12:46	7440-41-7	
Cadmium	0.50 U	ug/L	1.0	0.50	1	11/03/16 11:17	11/07/16 12:46	7440-43-9	
Chromium	2.9 I	ug/L	5.0	2.5	1	11/03/16 11:17	11/07/16 12:46	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	11/03/16 11:17	11/07/16 12:46	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	11/03/16 11:17	11/07/16 12:46	7440-50-8	
Iron	3840	ug/L	40.0	20.0	1	11/03/16 11:17	11/07/16 12:46	7439-89-6	
Lead	5.0 U	ug/L	10.0	5.0	1	11/03/16 11:17	11/07/16 12:46	7439-92-1	
Manganese	14.5	ug/L	5.0	2.5	1	11/03/16 11:17	11/07/16 12:46	7439-96-5	
Nickel	2.5 U	ug/L	5.0	2.5	1	11/03/16 11:17	11/07/16 12:46	7440-02-0	
Selenium	7.5 U	ug/L	15.0	7.5	1	11/03/16 11:17	11/07/16 12:46	7782-49-2	
Silver	2.5 U	ug/L	5.0	2.5	1	11/03/16 11:17	11/07/16 12:46	7440-22-4	
Sodium	16.7	mg/L	1.0	0.50	1	11/03/16 11:17	11/07/16 12:46	7440-23-5	
Vanadium	5.0 U	ug/L	10.0	5.0	1	11/03/16 11:17	11/07/16 12:46	7440-62-2	
Zinc	10.0 U	ug/L	20.0	10.0	1	11/03/16 11:17	11/07/16 12:46	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	11/03/16 11:17	11/04/16 15:35	7440-36-0	
Thallium	0.50 U	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 15:35	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	0.10 U	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 16:13	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	10.0 U	ug/L	20.0	10.0	1		11/07/16 21:11	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		11/07/16 21:11	107-13-1	J(L2)
Benzene	0.10 U	ug/L	1.0	0.10	1		11/07/16 21:11	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		11/07/16 21:11	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		11/07/16 21:11	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		11/07/16 21:11	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		11/07/16 21:11	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		11/07/16 21:11	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		11/07/16 21:11	75-15-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-1R **Lab ID: 35272736001** Collected: 10/26/16 13:35 Received: 10/27/16 00:01 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		11/07/16 21:11	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/07/16 21:11	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/07/16 21:11	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/07/16 21:11	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 21:11	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/07/16 21:11	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/07/16 21:11	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 21:11	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/07/16 21:11	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/07/16 21:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 21:11	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/07/16 21:11	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/07/16 21:11	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/07/16 21:11	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:11	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/07/16 21:11	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	89-111		1		11/07/16 21:11	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	75-135		1		11/07/16 21:11	17060-07-0	
Toluene-d8 (S)	96	%	89-112		1		11/07/16 21:11	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**342**	mg/L	5.0	5.0	1		10/29/16 14:59		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**15.4**	mg/L	5.0	2.5	1		11/02/16 10:45	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-1R **Lab ID: 35272736001** Collected: 10/26/16 13:35 Received: 10/27/16 00:01 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**2.5 U**	mg/L	5.0	2.5	1		11/02/16 10:45	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.63**	mg/L	0.050	0.020	1		11/05/16 08:56	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.010 U**	mg/L	0.040	0.010	1		10/27/16 09:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: NAM-1 **Lab ID: 35272737001** Collected: 10/26/16 09:26 Received: 10/27/16 00:01 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.70**	Std. Units			1		10/26/16 09:26		
Field Temperature	**25.34**	deg C			1		10/26/16 09:26		
Field Specific Conductance	**904**	umhos/cm			1		10/26/16 09:26		
Oxygen, Dissolved	**0.23**	mg/L			1		10/26/16 09:26	7782-44-7	
Turbidity	**2.74**	NTU			1		10/26/16 09:26		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Iron	**2810**	ug/L	40.0	20.0	1	11/03/16 11:17	11/05/16 17:35	7439-89-6	
Manganese	**2.7** I	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 17:35	7439-96-5	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Arsenic	**3.2**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 15:38	7440-38-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**529**	mg/L	5.0	5.0	1		10/29/16 14:59		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.17**	mg/L	0.050	0.020	1		11/05/16 08:57	7664-41-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: NAM-2 **Lab ID: 35272737002** Collected: 10/26/16 10:28 Received: 10/27/16 00:01 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.85**	Std. Units			1		10/26/16 10:28		
Field Temperature	**26.00**	deg C			1		10/26/16 10:28		
Field Specific Conductance	**781**	umhos/cm			1		10/26/16 10:28		
Oxygen, Dissolved	**0.35**	mg/L			1		10/26/16 10:28	7782-44-7	
Turbidity	**3.48**	NTU			1		10/26/16 10:28		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Iron	**2570**	ug/L	40.0	20.0	1	11/03/16 11:17	11/05/16 17:39	7439-89-6	
Manganese	**4.7 I**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 17:39	7439-96-5	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Arsenic	**6.8**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 15:49	7440-38-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**467**	mg/L	5.0	5.0	1		10/29/16 14:59		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.38**	mg/L	0.050	0.020	1		11/05/16 08:59	7664-41-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: NAM-3 **Lab ID: 35272737003** Collected: 10/26/16 11:29 Received: 10/27/16 00:01 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.72**	Std. Units			1		10/26/16 11:29		
Field Temperature	**24.58**	deg C			1		10/26/16 11:29		
Field Specific Conductance	**578**	umhos/cm			1		10/26/16 11:29		
Oxygen, Dissolved	**0.46**	mg/L			1		10/26/16 11:29	7782-44-7	
Turbidity	**2.81**	NTU			1		10/26/16 11:29		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Iron	**5190**	ug/L	40.0	20.0	1	11/03/16 11:17	11/05/16 17:43	7439-89-6	
Manganese	**8.5**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 17:43	7439-96-5	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Arsenic	**3.6**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 15:52	7440-38-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**348**	mg/L	5.0	5.0	1		10/29/16 14:59		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.45**	mg/L	0.050	0.020	1		11/05/16 09:00	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: NAM-4 **Lab ID: 35272737004** Collected: 10/26/16 12:24 Received: 10/27/16 00:01 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.57**	Std. Units			1		10/26/16 12:24		
Field Temperature	**26.62**	deg C			1		10/26/16 12:24		
Field Specific Conductance	**773**	umhos/cm			1		10/26/16 12:24		
Oxygen, Dissolved	**0.84**	mg/L			1		10/26/16 12:24	7782-44-7	
Turbidity	**12.9**	NTU			1		10/26/16 12:24		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Iron	**4590**	ug/L	40.0	20.0	1	11/03/16 11:17	11/05/16 17:47	7439-89-6	
Manganese	**4.6 I**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 17:47	7439-96-5	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Arsenic	**16.9**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 15:55	7440-38-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**458**	mg/L	5.0	5.0	1		10/29/16 15:00		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.11**	mg/L	0.050	0.020	1		11/05/16 14:39	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: NAM-1 Dup **Lab ID: 35272737005** Collected: 10/26/16 09:26 Received: 10/27/16 00:01 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.70**	Std. Units			1		10/26/16 09:26		
Field Temperature	**25.34**	deg C			1		10/26/16 09:26		
Field Specific Conductance	**904**	umhos/cm			1		10/26/16 09:26		
Oxygen, Dissolved	**0.23**	mg/L			1		10/26/16 09:26	7782-44-7	
Turbidity	**2.74**	NTU			1		10/26/16 09:26		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Iron	**2860**	ug/L	40.0	20.0	1	11/03/16 11:17	11/05/16 17:51	7439-89-6	
Manganese	**2.5 I**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 17:51	7439-96-5	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Arsenic	**3.2**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:06	7440-38-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**531**	mg/L	5.0	5.0	1		10/29/16 15:00		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.19**	mg/L	0.050	0.020	1		11/05/16 14:40	7664-41-7	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: NAM Field Blank **Lab ID: 35272737006** Collected: 10/26/16 08:45 Received: 10/27/16 00:01 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	11/03/16 11:17	11/05/16 18:03	7439-89-6	
Manganese	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:03	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	11/03/16 11:17	11/04/16 16:10	7440-38-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**5.0 U**	mg/L	5.0	5.0	1		10/28/16 12:27		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		11/05/16 14:42	7664-41-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-19A **Lab ID: 35272924001** Collected: 10/27/16 08:58 Received: 10/28/16 00:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.63**	Std. Units			1		10/27/16 08:58		
Field Temperature	**27.91**	deg C			1		10/27/16 08:58		
Field Specific Conductance	**842**	umhos/cm			1		10/27/16 08:58		
Oxygen, Dissolved	**0.12**	mg/L			1		10/27/16 08:58	7782-44-7	
Turbidity	**2.02**	NTU			1		10/27/16 08:58		
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	11/03/16 17:00	11/04/16 16:04	96-12-8	
1,2-Dibromoethane (EDB)	**0.0078 U**	ug/L	0.010	0.0078	1	11/03/16 17:00	11/04/16 16:04	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**34.1**	ug/L	10.0	5.0	1	11/04/16 17:21	11/07/16 11:00	7440-38-2	
Barium	**58.6**	ug/L	10.0	5.0	1	11/04/16 17:21	11/07/16 11:00	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/04/16 17:21	11/07/16 11:00	7440-41-7	
Cadmium	**2.5 U**	ug/L	5.0	2.5	5	11/04/16 17:21	11/07/16 17:34	7440-43-9	
Chromium	**2.8 I**	ug/L	5.0	2.5	1	11/04/16 17:21	11/07/16 11:00	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/04/16 17:21	11/07/16 11:00	7440-48-4	
Copper	**12.5 U**	ug/L	25.0	12.5	5	11/04/16 17:21	11/07/16 17:34	7440-50-8	
Iron	**24600**	ug/L	40.0	20.0	1	11/04/16 17:21	11/07/16 11:00	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/04/16 17:21	11/07/16 11:00	7439-92-1	
Manganese	**23.0**	ug/L	5.0	2.5	1	11/04/16 17:21	11/07/16 11:00	7439-96-5	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/04/16 17:21	11/07/16 11:00	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/04/16 17:21	11/07/16 11:00	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/04/16 17:21	11/07/16 11:00	7440-22-4	
Sodium	**6.6**	mg/L	1.0	0.50	1	11/04/16 17:21	11/07/16 11:00	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/04/16 17:21	11/07/16 11:00	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/04/16 17:21	11/07/16 11:00	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	11/04/16 15:33	11/08/16 00:04	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/04/16 15:33	11/08/16 00:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 16:20	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/07/16 20:44	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 20:44	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/07/16 20:44	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/07/16 20:44	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/07/16 20:44	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 20:44	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 20:44	75-15-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-19A **Lab ID: 35272924001** Collected: 10/27/16 08:58 Received: 10/28/16 00:10 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		11/07/16 20:44	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/07/16 20:44	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/07/16 20:44	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/07/16 20:44	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 20:44	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/07/16 20:44	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/07/16 20:44	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 20:44	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/07/16 20:44	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/07/16 20:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 20:44	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/07/16 20:44	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/07/16 20:44	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/07/16 20:44	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:44	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/07/16 20:44	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	89-111		1		11/07/16 20:44	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	75-135		1		11/07/16 20:44	17060-07-0	
Toluene-d8 (S)	104	%	89-112		1		11/07/16 20:44	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**416**	mg/L	5.0	5.0	1		11/01/16 10:51		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**5.5**	mg/L	5.0	2.5	1		10/31/16 11:27	16887-00-6	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-19A **Lab ID: 35272924001** Collected: 10/27/16 08:58 Received: 10/28/16 00:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**3.1 I**	mg/L	5.0	2.5	1		10/31/16 11:27	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**2.9**	mg/L	0.050	0.020	1		11/05/16 14:56	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		10/28/16 11:13		

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35272924

Sample: MW-9 Lab ID: 35272924002 Collected: 10/27/16 10:15 Received: 10/28/16 00:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	6.50	Std. Units			1		10/27/16 10:15		
Field Temperature	29.50	deg C			1		10/27/16 10:15		
Field Specific Conductance	1885	umhos/cm			1		10/27/16 10:15		
Oxygen, Dissolved	0.12	mg/L			1		10/27/16 10:15	7782-44-7	
Turbidity	1.09	NTU			1		10/27/16 10:15		
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	11/03/16 17:00	11/04/16 16:20	96-12-8	
1,2-Dibromoethane (EDB)	0.0079 U	ug/L	0.011	0.0079	1	11/03/16 17:00	11/04/16 16:20	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	17.9	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:19	7440-38-2	
Barium	111	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:19	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:19	7440-41-7	
Cadmium	0.50 U	ug/L	1.0	0.50	1	1/06/17	11/05/16 18:19	7440-43-9	
Chromium	2.5 U	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:19	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:19	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:19	7440-50-8	
Iron	26400	ug/L	40.0	20.0	1	11/03/16 11:17	11/05/16 18:19	7439-89-6	
Lead	5.0 U	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:19	7439-92-1	
Manganese	35.8	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:19	7439-96-5	
Nickel	4.0 I	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:19	7440-02-0	
Selenium	7.5 U	ug/L	15.0	7.5	1	11/03/16 11:17	11/05/16 18:19	7782-49-2	
Silver	2.5 U	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:19	7440-22-4	
Sodium	26.6	mg/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:19	7440-23-5	
Vanadium	5.0 U	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:19	7440-62-2	
Zinc	14.1 I	ug/L	20.0	10.0	1	11/03/16 11:17	11/05/16 18:19	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	11/03/16 11:17	11/04/16 16:23	7440-36-0	
Thallium	0.50 U	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:23	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	0.10 U	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 16:24	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	10.0 U	ug/L	20.0	10.0	1		11/07/16 21:38	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		11/07/16 21:38	107-13-1	J(M1)
Benzene	0.10 U	ug/L	1.0	0.10	1		11/07/16 21:38	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		11/07/16 21:38	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		11/07/16 21:38	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		11/07/16 21:38	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		11/07/16 21:38	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		11/07/16 21:38	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		11/07/16 21:38	75-15-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-9 **Lab ID: 35272924002** Collected: 10/27/16 10:15 Received: 10/28/16 00:10 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		11/07/16 21:38	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/07/16 21:38	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/07/16 21:38	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/07/16 21:38	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 21:38	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/07/16 21:38	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/07/16 21:38	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 21:38	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/07/16 21:38	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/07/16 21:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 21:38	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/07/16 21:38	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/07/16 21:38	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/07/16 21:38	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 21:38	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/07/16 21:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	89-111		1		11/07/16 21:38	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	75-135		1		11/07/16 21:38	17060-07-0	
Toluene-d8 (S)	107	%	89-112		1		11/07/16 21:38	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1030**	mg/L	10.0	10.0	1		11/01/16 10:51		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**32.8**	mg/L	25.0	12.5	5		10/31/16 12:33	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-9 **Lab ID: 35272924002** Collected: 10/27/16 10:15 Received: 10/28/16 00:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**37.0**	mg/L	25.0	12.5	5		10/31/16 12:33	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**15.8**	mg/L	0.050	0.020	1		11/05/16 14:57	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		10/28/16 11:15		

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-8A **Lab ID: 35272924003** Collected: 10/27/16 11:16 Received: 10/28/16 00:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.32**	Std. Units			1		10/27/16 11:16		
Field Temperature	**27.00**	deg C			1		10/27/16 11:16		
Field Specific Conductance	**1474**	umhos/cm			1		10/27/16 11:16		
Oxygen, Dissolved	**0.08**	mg/L			1		10/27/16 11:16	7782-44-7	
Turbidity	**1.36**	NTU			1		10/27/16 11:16		
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	11/03/16 17:00	11/04/16 16:35	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	11/03/16 17:00	11/04/16 16:35	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**10.0**	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:23	7440-38-2	
Barium	**50.7**	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:23	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:23	7440-41-7	
Cadmium	**2.5**	ug/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:23	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:23	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:23	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:23	7440-50-8	
Iron	**9650**	ug/L	40.0	20.0	1	11/03/16 11:17	11/05/16 18:23	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:23	7439-92-1	
Manganese	**46.3**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:23	7439-96-5	
Nickel	**2.5 I**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:23	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/03/16 11:17	11/05/16 18:23	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:23	7440-22-4	
Sodium	**34.3**	mg/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:23	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:23	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/03/16 11:17	11/05/16 18:23	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	11/03/16 11:17	11/04/16 16:41	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:41	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 16:26	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/07/16 22:06	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 22:06	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/07/16 22:06	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/07/16 22:06	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/07/16 22:06	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 22:06	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 22:06	75-15-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-8A **Lab ID: 35272924003** Collected: 10/27/16 11:16 Received: 10/28/16 00:10 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		11/07/16 22:06	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/07/16 22:06	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/07/16 22:06	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/07/16 22:06	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 22:06	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/07/16 22:06	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/07/16 22:06	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 22:06	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/07/16 22:06	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/07/16 22:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 22:06	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/07/16 22:06	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/07/16 22:06	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/07/16 22:06	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:06	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/07/16 22:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	89-111		1		11/07/16 22:06	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	75-135		1		11/07/16 22:06	17060-07-0	
Toluene-d8 (S)	102	%	89-112		1		11/07/16 22:06	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**794**	mg/L	10.0	10.0	1		11/01/16 10:51		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**13.9**	mg/L	5.0	2.5	1		11/02/16 00:58	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-8A **Lab ID: 35272924003** Collected: 10/27/16 11:16 Received: 10/28/16 00:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**2.5 U**	mg/L	5.0	2.5	1		11/02/16 00:58	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**15.1**	mg/L	0.050	0.020	1		11/05/16 14:59	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		10/28/16 11:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Equip Blank 102716 **Lab ID: 35272924004** Collected: 10/27/16 12:15 Received: 10/28/16 00:10 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	11/03/16 17:00	11/04/16 16:50	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	11/03/16 17:00	11/04/16 16:50	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	11/03/16 11:17	11/05/16 18:27	7440-38-2	
Barium	**5.0 U**	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:27	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:27	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:27	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:27	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:27	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:27	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/03/16 11:17	11/05/16 18:27	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:27	7439-92-1	
Manganese	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:27	7439-96-5	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:27	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/03/16 11:17	11/05/16 18:27	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:27	7440-22-4	
Sodium	**0.50 U**	mg/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:27	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:27	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/03/16 11:17	11/05/16 18:27	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	11/03/16 11:17	11/04/16 16:44	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:44	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 16:28	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/07/16 20:18	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 20:18	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/07/16 20:18	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/07/16 20:18	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/07/16 20:18	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 20:18	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 20:18	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/07/16 20:18	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/07/16 20:18	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/07/16 20:18	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	74-95-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Equip Blank 102716 **Lab ID: 35272924004** Collected: 10/27/16 12:15 Received: 10/28/16 00:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 20:18	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/07/16 20:18	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/07/16 20:18	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 20:18	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/07/16 20:18	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/07/16 20:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 20:18	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/07/16 20:18	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/07/16 20:18	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/07/16 20:18	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 20:18	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/07/16 20:18	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	89-111		1		11/07/16 20:18	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	75-135		1		11/07/16 20:18	17060-07-0	
Toluene-d8 (S)	103	%	89-112		1		11/07/16 20:18	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**7.0**	mg/L	5.0	5.0	1		11/01/16 16:07		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		10/31/16 13:17	16887-00-6	
Sulfate	**2.5 U**	mg/L	5.0	2.5	1		10/31/16 13:17	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.13**	mg/L	0.050	0.020	1		11/05/16 15:01	7664-41-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Equip Blank 102716 **Lab ID: 35272924004** Collected: 10/27/16 12:15 Received: 10/28/16 00:10 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		10/28/16 11:17		

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Sarasota Central Landfill
Pace Project No.: 35272924

Sample: MW-17 Lab ID: 35272924005 Collected: 10/27/16 13:04 Received: 10/28/16 00:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	6.28	Std. Units			1		10/27/16 13:04		
Field Temperature	29.12	deg C			1		10/27/16 13:04		
Field Specific Conductance	1788	umhos/cm			1		10/27/16 13:04		
Oxygen, Dissolved	0.03	mg/L			1		10/27/16 13:04	7782-44-7	
Turbidity	1.83	NTU			1		10/27/16 13:04		
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	11/03/16 17:00	11/04/16 17:05	96-12-8	
1,2-Dibromoethane (EDB)	0.0080 U	ug/L	0.011	0.0080	1	11/03/16 17:00	11/04/16 17:05	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	56.2	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:31	7440-38-2	
Barium	90.2	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:31	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:31	7440-41-7	
Cadmium	1.1	ug/L	1.0	0.50	1	1/06/17	11/05/16 18:31	7440-43-9	
Chromium	4.5 I	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:31	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:31	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:31	7440-50-8	
Iron	77100	ug/L	40.0	20.0	1	11/03/16 11:17	11/05/16 18:31	7439-89-6	
Lead	5.0 U	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:31	7439-92-1	
Manganese	13.2	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:31	7439-96-5	
Nickel	7.8	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:31	7440-02-0	
Selenium	7.5 U	ug/L	15.0	7.5	1	11/03/16 11:17	11/05/16 18:31	7782-49-2	
Silver	2.5 U	ug/L	5.0	2.5	1	11/03/16 11:17	11/05/16 18:31	7440-22-4	
Sodium	59.3	mg/L	1.0	0.50	1	11/03/16 11:17	11/05/16 18:31	7440-23-5	
Vanadium	5.0 U	ug/L	10.0	5.0	1	11/03/16 11:17	11/05/16 18:31	7440-62-2	
Zinc	10.7 I	ug/L	20.0	10.0	1	11/03/16 11:17	11/05/16 18:31	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	11/03/16 11:17	11/04/16 16:48	7440-36-0	
Thallium	0.50 U	ug/L	1.0	0.50	1	11/03/16 11:17	11/04/16 16:48	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	0.10 U	ug/L	0.20	0.10	1	11/03/16 13:54	11/04/16 16:35	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	10.0 U	ug/L	20.0	10.0	1		11/07/16 22:32	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		11/07/16 22:32	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		11/07/16 22:32	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		11/07/16 22:32	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		11/07/16 22:32	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		11/07/16 22:32	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		11/07/16 22:32	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		11/07/16 22:32	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		11/07/16 22:32	75-15-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
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8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-17 **Lab ID: 35272924005** Collected: 10/27/16 13:04 Received: 10/28/16 00:10 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		11/07/16 22:32	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/07/16 22:32	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/07/16 22:32	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/07/16 22:32	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 22:32	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/07/16 22:32	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/07/16 22:32	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 22:32	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/07/16 22:32	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/07/16 22:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 22:32	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/07/16 22:32	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/07/16 22:32	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/07/16 22:32	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 22:32	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/07/16 22:32	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	89-111		1		11/07/16 22:32	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	75-135		1		11/07/16 22:32	17060-07-0	
Toluene-d8 (S)	102	%	89-112		1		11/07/16 22:32	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1850**	mg/L	10.0	10.0	1		11/01/16 16:08		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**80.2**	mg/L	5.0	2.5	1		11/02/16 01:20	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-17 **Lab ID: 35272924005** Collected: 10/27/16 13:04 Received: 10/28/16 00:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**2.5 U**	mg/L	5.0	2.5	1		11/02/16 01:20	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**36.0**	mg/L	0.25	0.10	5		11/09/16 13:55	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.12 U**	mg/L	0.25	0.12	5		10/28/16 11:31		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Trip Blank 102716 **Lab ID: 35272924006** Collected: 10/27/16 13:04 Received: 10/28/16 00:10 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		11/07/16 19:50	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 19:50	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/07/16 19:50	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/07/16 19:50	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/07/16 19:50	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 19:50	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 19:50	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/07/16 19:50	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/07/16 19:50	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/07/16 19:50	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 19:50	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/07/16 19:50	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/07/16 19:50	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 19:50	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/07/16 19:50	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/07/16 19:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/07/16 19:50	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/07/16 19:50	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/07/16 19:50	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/07/16 19:50	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/07/16 19:50	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/07/16 19:50	1330-20-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Trip Blank 102716 **Lab ID: 35272924006** Collected: 10/27/16 13:04 Received: 10/28/16 00:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	100	%	89-111		1		11/07/16 19:50	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	75-135		1		11/07/16 19:50	17060-07-0	
Toluene-d8 (S)	104	%	89-112		1		11/07/16 19:50	2037-26-5	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Pond 1 **Lab ID: 35273562001** Collected: 10/31/16 09:00 Received: 10/31/16 23:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**7.20**	Std. Units			1		10/31/16 09:00		
Field Temperature	**23.03**	deg C			1		10/31/16 09:00		
Field Specific Conductance	**367**	umhos/cm			1		10/31/16 09:00		
Oxygen, Dissolved	**6.17**	mg/L			1		10/31/16 09:00	7782-44-7	
Turbidity	**21.5**	NTU			1		10/31/16 09:00		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0048 U**	ug/L	0.019	0.0048	1	11/03/16 01:30	11/03/16 11:22	96-12-8	1p,L3
1,2-Dibromoethane (EDB)	**0.0073 U**	ug/L	0.0097	0.0073	1	11/03/16 01:30	11/03/16 11:22	106-93-4	1p,L3
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**6.0 I**	ug/L	10.0	5.0	1	11/04/16 17:21	11/07/16 11:20	7440-38-2	
Barium	**21.4**	ug/L	10.0	5.0	1	11/04/16 17:21	11/07/16 11:20	7440-39-3	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/04/16 17:21	11/07/16 11:20	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/04/16 17:21	11/07/16 11:20	7440-48-4	
Iron	**340**	ug/L	40.0	20.0	1	11/04/16 17:21	11/07/16 11:20	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/04/16 17:21	11/07/16 11:20	7440-02-0	
Tot Hardness asCaCO3 (SM 2340B	**151**	mg/L	3.2	1.6	1	11/04/16 17:21	11/07/16 11:20		
Vanadium	**7.7 I**	ug/L	10.0	5.0	1	11/04/16 17:21	11/07/16 11:20	7440-62-2	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.58 I**	ug/L	1.0	0.50	1	11/04/16 17:21	11/09/16 12:40	7440-36-0	
Beryllium	**0.050 U**	ug/L	0.10	0.050	1	11/04/16 17:21	11/09/16 12:40	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	11/04/16 17:21	11/09/16 12:40	7440-43-9	
Copper	**0.93 U**	ug/L	1.0	0.93	1	11/04/16 17:21	11/09/16 12:40	7440-50-8	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/04/16 17:21	11/09/16 12:40	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/04/16 17:21	11/09/16 12:40	7782-49-2	
Silver	**0.050 U**	ug/L	0.10	0.050	1	11/04/16 17:21	11/09/16 12:40	7440-22-4	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/04/16 17:21	11/09/16 12:40	7440-28-0	
Zinc	**8.6**	ug/L	5.0	2.5	1	11/04/16 17:21	11/09/16 12:40	7440-66-6	
1631E Mercury,Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E								
Mercury	**0.00300**	ug/L	0.00050	0.00025	1	11/07/16 08:43	11/07/16 12:59	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/10/16 08:26	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 08:26	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/10/16 08:26	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/10/16 08:26	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/10/16 08:26	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 08:26	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 08:26	75-15-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Pond 1 **Lab ID: 35273562001** Collected: 10/31/16 09:00 Received: 10/31/16 23:59 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		11/10/16 08:26	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/10/16 08:26	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/10/16 08:26	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/10/16 08:26	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 08:26	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/10/16 08:26	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/10/16 08:26	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 08:26	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/10/16 08:26	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/10/16 08:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 08:26	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/10/16 08:26	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/10/16 08:26	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/10/16 08:26	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:26	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/10/16 08:26	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	89-111		1		11/10/16 08:26	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	75-135		1		11/10/16 08:26	17060-07-0	
Toluene-d8 (S)	100	%	89-112		1		11/10/16 08:26	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**243**	mg/L	5.0	5.0	1		11/03/16 10:40		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**26.0**	mg/L	5.0	5.0	1		11/02/16 15:05		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Pond 1 **Lab ID: 35273562001** Collected: 10/31/16 09:00 Received: 10/31/16 23:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**3.2**	mg/L	2.0	2.0	1	11/01/16 17:20	11/06/16 17:03		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
Chlorophyll a	**56.2**	ug/L	10.0	4.5	1	11/01/16 11:15	11/07/16 14:21		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation								
Total Nitrogen	**1.8**	mg/L	0.50	0.086	1		11/11/16 11:43		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		11/10/16 10:30	7664-41-7	
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.050	0.020	1		11/10/16 10:30		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	**1.8**	mg/L	0.50	0.086	1	11/09/16 16:00	11/10/16 11:01	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.010 U**	mg/L	0.040	0.010	1		11/01/16 17:22		
Nitrogen, NO2 plus NO3	**0.025 U**	mg/L	0.050	0.025	1		11/01/16 17:22		
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
Phosphorus, Total (as P)	**0.22**	mg/L	0.10	0.050	1	11/09/16 16:00	11/10/16 11:01	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4								
Chemical Oxygen Demand	**54.2**	mg/L	20.0	12.5	1		11/03/16 15:13		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**14.7**	mg/L	1.0	0.50	1		11/10/16 18:48	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Field Blank 103116 **Lab ID: 35273563001** Collected: 10/31/16 09:15 Received: 10/31/16 23:59 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	**0.0048 U**	ug/L	0.020	0.0048	1	11/03/16 01:30	11/03/16 11:52	96-12-8	1p,L3
1,2-Dibromoethane (EDB)	**0.0073 U**	ug/L	0.0098	0.0073	1	11/03/16 01:30	11/03/16 11:52	106-93-4	1p,L3
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/04/16 17:21	11/07/16 11:24	7440-38-2	
Barium	**5.0 U**	ug/L	10.0	5.0	1	11/04/16 17:21	11/07/16 11:24	7440-39-3	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/04/16 17:21	11/07/16 11:24	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/04/16 17:21	11/07/16 11:24	7440-48-4	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/04/16 17:21	11/07/16 11:24	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/04/16 17:21	11/07/16 11:24	7440-02-0	
Tot Hardness asCaCO3 (SM 2340B	**1.6 U**	mg/L	3.2	1.6	1	11/04/16 17:21	11/07/16 11:24		
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/04/16 17:21	11/07/16 11:24	7440-62-2	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/04/16 17:21	11/09/16 12:43	7440-36-0	
Beryllium	**0.050 U**	ug/L	0.10	0.050	1	11/04/16 17:21	11/09/16 12:43	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	11/04/16 17:21	11/09/16 12:43	7440-43-9	
Copper	**0.93 U**	ug/L	1.0	0.93	1	11/04/16 17:21	11/09/16 12:43	7440-50-8	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/04/16 17:21	11/09/16 12:43	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/04/16 17:21	11/09/16 12:43	7782-49-2	
Silver	**0.050 U**	ug/L	0.10	0.050	1	11/04/16 17:21	11/09/16 12:43	7440-22-4	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/04/16 17:21	11/09/16 12:43	7440-28-0	
Zinc	**2.7 I**	ug/L	5.0	2.5	1	11/04/16 17:21	11/09/16 12:43	7440-66-6	
1631E Mercury,Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E								
Mercury	**0.00025 U**	ug/L	0.00050	0.00025	1	11/07/16 08:43	11/07/16 12:52	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/10/16 04:22	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 04:22	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/10/16 04:22	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/10/16 04:22	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/10/16 04:22	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 04:22	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 04:22	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/10/16 04:22	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/10/16 04:22	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/10/16 04:22	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Field Blank 103116 **Lab ID: 35273563001** Collected: 10/31/16 09:15 Received: 10/31/16 23:59 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		11/10/16 04:22	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 04:22	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/10/16 04:22	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/10/16 04:22	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 04:22	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/10/16 04:22	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/10/16 04:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 04:22	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/10/16 04:22	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/10/16 04:22	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/10/16 04:22	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:22	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/10/16 04:22	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	89-111		1		11/10/16 04:22	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	75-135		1		11/10/16 04:22	17060-07-0	
Toluene-d8 (S)	99	%	89-112		1		11/10/16 04:22	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**28.0**	mg/L	5.0	5.0	1		11/03/16 10:41		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**5.0 U**	mg/L	5.0	5.0	1		11/02/16 15:05		
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**2.0 U**	mg/L	2.0	2.0	1	11/01/16 17:21	11/06/16 17:04		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
Chlorophyll a	**2.2 U**	ug/L	5.0	2.2	1	11/01/16 11:15	11/07/16 14:21		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Field Blank 103116 **Lab ID: 35273563001** Collected: 10/31/16 09:15 Received: 10/31/16 23:59 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		11/11/16 11:43		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		11/10/16 10:31	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	11/09/16 16:00	11/10/16 11:03	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.010 U**	mg/L	0.040	0.010	1		11/01/16 17:18		
Nitrogen, NO2 plus NO3	**0.025 U**	mg/L	0.050	0.025	1		11/01/16 17:18		
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
Phosphorus, Total (as P)	**0.050 U**	mg/L	0.10	0.050	1	11/09/16 16:00	11/10/16 11:03	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4								
Chemical Oxygen Demand	**12.5 U**	mg/L	20.0	12.5	1		11/03/16 15:13		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**0.50 U**	mg/L	1.0	0.50	1		11/10/16 19:29	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Trip Blank FB **Lab ID: 35273563002** Collected: 10/31/16 08:00 Received: 10/31/16 23:59 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		11/10/16 04:49	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 04:49	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/10/16 04:49	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/10/16 04:49	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/10/16 04:49	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 04:49	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 04:49	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/10/16 04:49	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/10/16 04:49	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/10/16 04:49	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 04:49	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/10/16 04:49	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/10/16 04:49	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 04:49	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/10/16 04:49	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/10/16 04:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 04:49	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/10/16 04:49	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/10/16 04:49	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/10/16 04:49	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 04:49	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/10/16 04:49	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Trip Blank FB **Lab ID: 35273563002** Collected: 10/31/16 08:00 Received: 10/31/16 23:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	95	%	89-111		1		11/10/16 04:49	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	75-135		1		11/10/16 04:49	17060-07-0	
Toluene-d8 (S)	99	%	89-112		1		11/10/16 04:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Pond 2 **Lab ID: 35273565001** Collected: 10/31/16 09:50 Received: 10/31/16 23:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.69**	Std. Units			1		10/31/16 09:50		
Field Temperature	**23.11**	deg C			1		10/31/16 09:50		
Field Specific Conductance	**409**	umhos/cm			1		10/31/16 09:50		
Oxygen, Dissolved	**3.84**	mg/L			1		10/31/16 09:50	7782-44-7	
Turbidity	**46.2**	NTU			1		10/31/16 09:50		
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	11/03/16 17:00	11/04/16 14:18	96-12-8	
1,2-Dibromoethane (EDB)	**0.0079 U**	ug/L	0.010	0.0079	1	11/03/16 17:00	11/04/16 14:18	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**7.6 I**	ug/L	10.0	5.0	1	11/04/16 17:21	11/07/16 11:28	7440-38-2	
Barium	**17.2**	ug/L	10.0	5.0	1	11/04/16 17:21	11/07/16 11:28	7440-39-3	
Chromium	**3.0 I**	ug/L	5.0	2.5	1	11/04/16 17:21	11/07/16 11:28	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/04/16 17:21	11/07/16 11:28	7440-48-4	
Iron	**598**	ug/L	40.0	20.0	1	11/04/16 17:21	11/07/16 11:28	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/04/16 17:21	11/07/16 11:28	7440-02-0	
Tot Hardness asCaCO3 (SM 2340B	**129**	mg/L	3.2	1.6	1	11/04/16 17:21	11/07/16 11:28		
Vanadium	**18.2**	ug/L	10.0	5.0	1	11/04/16 17:21	11/07/16 11:28	7440-62-2	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.59 I**	ug/L	1.0	0.50	1	11/04/16 17:21	11/09/16 12:46	7440-36-0	
Beryllium	**0.077 I**	ug/L	0.10	0.050	1	11/04/16 17:21	11/09/16 12:46	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	11/04/16 17:21	11/09/16 12:46	7440-43-9	
Copper	**1.8**	ug/L	1.0	0.93	1	11/04/16 17:21	11/09/16 12:46	7440-50-8	
Lead	**1.2**	ug/L	1.0	0.50	1	11/04/16 17:21	11/09/16 12:46	7439-92-1	
Selenium	**0.61 I**	ug/L	1.0	0.50	1	11/04/16 17:21	11/09/16 12:46	7782-49-2	
Silver	**0.050 U**	ug/L	0.10	0.050	1	11/04/16 17:21	11/09/16 12:46	7440-22-4	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/04/16 17:21	11/09/16 12:46	7440-28-0	
Zinc	**4.7 I**	ug/L	5.0	2.5	1	11/04/16 17:21	11/09/16 12:46	7440-66-6	
1631E Mercury,Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E								
Mercury	**0.00785**	ug/L	0.0025	0.0012	1	11/07/16 08:43	11/07/16 12:36	7439-97-6	D3
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/10/16 08:52	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 08:52	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/10/16 08:52	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/10/16 08:52	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/10/16 08:52	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 08:52	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 08:52	75-15-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Pond 2 **Lab ID: 35273565001** Collected: 10/31/16 09:50 Received: 10/31/16 23:59 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		11/10/16 08:52	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/10/16 08:52	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/10/16 08:52	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/10/16 08:52	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 08:52	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/10/16 08:52	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/10/16 08:52	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 08:52	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/10/16 08:52	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/10/16 08:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 08:52	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/10/16 08:52	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/10/16 08:52	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/10/16 08:52	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 08:52	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/10/16 08:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	89-111		1		11/10/16 08:52	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	75-135		1		11/10/16 08:52	17060-07-0	
Toluene-d8 (S)	99	%	89-112		1		11/10/16 08:52	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**309**	mg/L	5.0	5.0	1		11/03/16 10:41		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**22.0**	mg/L	5.0	5.0	1		11/02/16 15:05		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Pond 2 **Lab ID: 35273565001** Collected: 10/31/16 09:50 Received: 10/31/16 23:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**2.0 U**	mg/L	2.0	2.0	1	11/01/16 17:22	11/06/16 17:05		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
Chlorophyll a	**50.7**	ug/L	16.7	7.5	1	11/01/16 11:15	11/07/16 14:21		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation								
Total Nitrogen	**2.7**	mg/L	0.50	0.086	1		11/11/16 11:43		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.35**	mg/L	0.050	0.020	1		11/10/16 10:37	7664-41-7	
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.050	0.020	1		11/10/16 10:37		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	**2.4**	mg/L	0.50	0.086	1	11/09/16 16:00	11/10/16 11:04	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.26**	mg/L	0.040	0.010	1		11/01/16 17:20		
Nitrogen, NO2 plus NO3	**0.26**	mg/L	0.050	0.025	1		11/01/16 17:20		
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
Phosphorus, Total (as P)	**1.4**	mg/L	0.10	0.050	1	11/09/16 16:00	11/10/16 11:04	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4								
Chemical Oxygen Demand	**62.2**	mg/L	20.0	12.5	1		11/03/16 15:13		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**18.7**	mg/L	1.0	0.50	1		11/10/16 19:44	7440-44-0	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Pond 2 DUP **Lab ID: 35273565002** Collected: 10/31/16 09:50 Received: 10/31/16 23:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.69**	Std. Units			1		10/31/16 09:50		
Field Temperature	**23.11**	deg C			1		10/31/16 09:50		
Field Specific Conductance	**409**	umhos/cm			1		10/31/16 09:50		
Oxygen, Dissolved	**3.84**	mg/L			1		10/31/16 09:50	7782-44-7	
Turbidity	**46.2**	NTU			1		10/31/16 09:50		
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	11/03/16 17:00	11/04/16 14:48	96-12-8	J(M1), J(R1)
1,2-Dibromoethane (EDB)	**0.0081 U**	ug/L	0.011	0.0081	1	11/03/16 17:00	11/04/16 14:48	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**6.2 I**	ug/L	10.0	5.0	1	11/04/16 17:21	11/06/16 02:19	7440-38-2	
Barium	**19.5**	ug/L	10.0	5.0	1	11/04/16 17:21	11/06/16 02:19	7440-39-3	
Chromium	**3.1 I**	ug/L	5.0	2.5	1	11/04/16 17:21	11/06/16 02:19	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/04/16 17:21	11/06/16 02:19	7440-48-4	
Iron	**678**	ug/L	40.0	20.0	1	11/04/16 17:21	11/06/16 02:19	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/04/16 17:21	11/06/16 02:19	7440-02-0	
Tot Hardness asCaCO3 (SM 2340B	**137**	mg/L	3.2	1.6	1	11/04/16 17:21	11/06/16 02:19		
Vanadium	**18.4**	ug/L	10.0	5.0	1	11/04/16 17:21	11/06/16 02:19	7440-62-2	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.58 I**	ug/L	1.0	0.50	1	11/04/16 17:21	11/09/16 12:49	7440-36-0	
Beryllium	**0.090 I**	ug/L	0.10	0.050	1	11/04/16 17:21	11/09/16 12:49	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	11/04/16 17:21	11/09/16 12:49	7440-43-9	
Copper	**2.3**	ug/L	1.0	0.93	1	11/04/16 17:21	11/09/16 12:49	7440-50-8	
Lead	**1.3**	ug/L	1.0	0.50	1	11/04/16 17:21	11/09/16 12:49	7439-92-1	
Selenium	**0.57 I**	ug/L	1.0	0.50	1	11/04/16 17:21	11/09/16 12:49	7782-49-2	
Silver	**0.050 U**	ug/L	0.10	0.050	1	11/04/16 17:21	11/09/16 12:49	7440-22-4	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/04/16 17:21	11/09/16 12:49	7440-28-0	
Zinc	**7.2**	ug/L	5.0	2.5	1	11/04/16 17:21	11/09/16 12:49	7440-66-6	
1631E Mercury,Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E								
Mercury	**0.00745**	ug/L	0.0025	0.0012	1	11/07/16 08:43	11/07/16 12:44	7439-97-6	D3
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/10/16 09:19	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 09:19	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/10/16 09:19	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/10/16 09:19	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/10/16 09:19	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 09:19	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 09:19	75-15-0	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Pond 2 DUP **Lab ID: 35273565002** Collected: 10/31/16 09:50 Received: 10/31/16 23:59 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		11/10/16 09:19	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/10/16 09:19	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/10/16 09:19	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/10/16 09:19	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 09:19	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/10/16 09:19	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/10/16 09:19	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 09:19	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/10/16 09:19	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/10/16 09:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 09:19	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/10/16 09:19	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/10/16 09:19	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/10/16 09:19	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 09:19	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/10/16 09:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	89-111		1		11/10/16 09:19	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	75-135		1		11/10/16 09:19	17060-07-0	
Toluene-d8 (S)	100	%	89-112		1		11/10/16 09:19	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**284**	mg/L	5.0	5.0	1		11/03/16 10:41		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**25.0**	mg/L	5.0	5.0	1		11/02/16 15:05		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Pond 2 DUP **Lab ID: 35273565002** Collected: 10/31/16 09:50 Received: 10/31/16 23:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**2.0 U**	mg/L	2.0	2.0	1	11/01/16 17:23	11/06/16 17:07		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
Chlorophyll a	**55.0**	ug/L	17.9	8.0	1	11/01/16 11:15	11/07/16 14:21		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation								
Total Nitrogen	**2.9**	mg/L	0.50	0.086	1		11/11/16 11:43		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.34**	mg/L	0.050	0.020	1		11/10/16 10:39	7664-41-7	
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.050	0.020	1		11/10/16 10:39		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	**2.6**	mg/L	0.50	0.086	1	11/09/16 16:00	11/10/16 11:05	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.26**	mg/L	0.040	0.010	1		11/01/16 17:23		
Nitrogen, NO2 plus NO3	**0.26**	mg/L	0.050	0.025	1		11/01/16 17:23		
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
Phosphorus, Total (as P)	**1.5**	mg/L	0.10	0.050	1	11/09/16 16:00	11/10/16 11:05	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4								
Chemical Oxygen Demand	**80.0**	mg/L	20.0	12.5	1		11/03/16 15:13		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**18.6**	mg/L	1.0	0.50	1		11/10/16 19:59	7440-44-0	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Trip Blank (B) **Lab ID: 35273565003** Collected: 10/31/16 08:00 Received: 10/31/16 23:59 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		11/10/16 05:15	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 05:15	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/10/16 05:15	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/10/16 05:15	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/10/16 05:15	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 05:15	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 05:15	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/10/16 05:15	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/10/16 05:15	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/10/16 05:15	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 05:15	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/10/16 05:15	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/10/16 05:15	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 05:15	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/10/16 05:15	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/10/16 05:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/10/16 05:15	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/10/16 05:15	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/10/16 05:15	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/10/16 05:15	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/10/16 05:15	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/10/16 05:15	1330-20-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Trip Blank (B) **Lab ID: 35273565003** Collected: 10/31/16 08:00 Received: 10/31/16 23:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	93	%	89-111		1		11/10/16 05:15	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	75-135		1		11/10/16 05:15	17060-07-0	
Toluene-d8 (S)	99	%	89-112		1		11/10/16 05:15	2037-26-5	

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-16 **Lab ID: 35274180001** Collected: 11/02/16 09:08 Received: 11/03/16 00:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	6.25	Std. Units			1		11/02/16 09:08		
Field Temperature	28.42	deg C			1		11/02/16 09:08		
Field Specific Conductance	2399	umhos/cm			1		11/02/16 09:08		
Oxygen, Dissolved	0.04	mg/L			1		11/02/16 09:08	7782-44-7	
Turbidity	1.24	NTU			1		11/02/16 09:08		
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	11/03/16 17:00	11/04/16 20:39	96-12-8	
1,2-Dibromoethane (EDB)	0.0078 U	ug/L	0.010	0.0078	1	11/03/16 17:00	11/04/16 20:39	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	46.2	ug/L	10.0	5.0	1	11/13/16 19:55	11/14/16 15:57	7440-38-2	
Barium	89.4	ug/L	10.0	5.0	1	11/13/16 19:55	11/14/16 15:57	7440-39-3	J(M1)
Beryllium	0.50 U	ug/L	1.0	0.50	1	11/13/16 19:55	11/14/16 15:57	7440-41-7	
Cadmium	1.6	ug/L	1.0	0.50	1	11/13/16 19:55	11/14/16 15:57	7440-43-9	
Chromium	4.0 I	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 15:57	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	11/13/16 19:55	11/14/16 15:57	7440-48-4	
Copper	7.5	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 15:57	7440-50-8	
Iron	56800	ug/L	40.0	20.0	1	11/13/16 19:55	11/14/16 15:57	7439-89-6	J(M1)
Lead	5.0 U	ug/L	10.0	5.0	1	11/13/16 19:55	11/14/16 15:57	7439-92-1	
Manganese	25.0	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 15:57	7439-96-5	J(M1)
Nickel	2.5 U	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 15:57	7440-02-0	
Selenium	12.2 I	ug/L	15.0	7.5	1	11/13/16 19:55	11/14/16 15:57	7782-49-2	
Silver	2.5 U	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 15:57	7440-22-4	
Sodium	211	mg/L	1.0	0.50	1	11/13/16 19:55	11/14/16 15:57	7440-23-5	J(M1)
Vanadium	8.2 I	ug/L	10.0	5.0	1	11/13/16 19:55	11/14/16 15:57	7440-62-2	
Zinc	10.0 U	ug/L	20.0	10.0	1	11/13/16 19:55	11/14/16 15:57	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	11/16/16 06:00	11/16/16 16:17	7440-36-0	
Thallium	0.50 U	ug/L	1.0	0.50	1	11/16/16 06:00	11/16/16 16:17	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	0.10 U	ug/L	0.20	0.10	1	11/12/16 08:30	11/15/16 13:01	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	10.0 U	ug/L	20.0	10.0	1		11/12/16 13:54	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		11/12/16 13:54	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		11/12/16 13:54	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		11/12/16 13:54	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		11/12/16 13:54	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		11/12/16 13:54	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		11/12/16 13:54	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		11/12/16 13:54	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		11/12/16 13:54	75-15-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-16 **Lab ID: 35274180001** Collected: 11/02/16 09:08 Received: 11/03/16 00:20 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		11/12/16 13:54	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/12/16 13:54	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/12/16 13:54	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/12/16 13:54	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 13:54	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/12/16 13:54	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/12/16 13:54	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 13:54	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/12/16 13:54	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/12/16 13:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 13:54	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/12/16 13:54	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/12/16 13:54	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/12/16 13:54	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:54	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/12/16 13:54	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90	%	89-111		1		11/12/16 13:54	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	75-135		1		11/12/16 13:54	17060-07-0	
Toluene-d8 (S)	99	%	89-112		1		11/12/16 13:54	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1290**	mg/L	10.0	10.0	1		11/04/16 15:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**185**	mg/L	25.0	12.5	5		11/07/16 19:07	16887-00-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-16 **Lab ID: 35274180001** Collected: 11/02/16 09:08 Received: 11/03/16 00:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**12.5 U**	mg/L	25.0	12.5	5		11/07/16 19:07	14808-79-8	D3
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**38.3**	mg/L	0.25	0.10	5		11/14/16 12:15	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.10 U**	mg/L	0.40	0.10	10		11/03/16 12:12		D3

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-15 **Lab ID: 35274180002** Collected: 11/02/16 10:19 Received: 11/03/16 00:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.58**	Std. Units			1		11/02/16 10:19		
Field Temperature	**28.42**	deg C			1		11/02/16 10:19		
Field Specific Conductance	**3718**	umhos/cm			1		11/02/16 10:19		
Oxygen, Dissolved	**0.01**	mg/L			1		11/02/16 10:19	7782-44-7	
Turbidity	**2.36**	NTU			1		11/02/16 10:19		
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	11/03/16 17:00	11/04/16 20:54	96-12-8	
1,2-Dibromoethane (EDB)	**0.0078 U**	ug/L	0.010	0.0078	1	11/03/16 17:00	11/04/16 20:54	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**65.0**	ug/L	10.0	5.0	1	11/13/16 19:55	11/14/16 16:21	7440-38-2	
Barium	**397**	ug/L	10.0	5.0	1	11/13/16 19:55	11/14/16 16:21	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/13/16 19:55	11/14/16 16:21	7440-41-7	
Cadmium	**2.2**	ug/L	1.0	0.50	1	11/13/16 19:55	11/14/16 16:21	7440-43-9	
Chromium	**2.7 I**	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 16:21	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/13/16 19:55	11/14/16 16:21	7440-48-4	
Copper	**9.7**	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 16:21	7440-50-8	
Iron	**70800**	ug/L	40.0	20.0	1	11/13/16 19:55	11/14/16 16:21	7439-89-6	
Lead	**25.0 U**	ug/L	50.0	25.0	5	11/13/16 19:55	11/15/16 13:19	7439-92-1	
Manganese	**747**	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 16:21	7439-96-5	
Nickel	**3.5 I**	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 16:21	7440-02-0	
Selenium	**8.6 I**	ug/L	15.0	7.5	1	11/13/16 19:55	11/14/16 16:21	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 16:21	7440-22-4	
Sodium	**83.9**	mg/L	1.0	0.50	1	11/13/16 19:55	11/14/16 16:21	7440-23-5	
Vanadium	**5.6 I**	ug/L	10.0	5.0	1	11/13/16 19:55	11/14/16 16:21	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/13/16 19:55	11/14/16 16:21	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	11/14/16 18:34	11/15/16 17:03	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/14/16 18:34	11/15/16 17:03	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/12/16 08:30	11/15/16 13:12	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/12/16 14:43	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 14:43	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/12/16 14:43	71-43-2	J(M1)
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	74-97-5	J(M1)
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/12/16 14:43	75-27-4	J(M1)
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	75-25-2	J(M1)
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/12/16 14:43	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 14:43	78-93-3	J(M1)
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 14:43	75-15-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-15 **Lab ID: 35274180002** Collected: 11/02/16 10:19 Received: 11/03/16 00:20 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		11/12/16 14:43	56-23-5	J(M1)
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	108-90-7	J(M1)
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/12/16 14:43	75-00-3	J(M1)
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	67-66-3	J(M1)
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/12/16 14:43	74-87-3	J(M1)
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/12/16 14:43	124-48-1	J(M1)
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	74-95-3	J(M1)
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	95-50-1	J(M1)
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	106-46-7	J(M1)
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 14:43	110-57-6	J(M1)
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	75-34-3	J(M1)
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	107-06-2	J(M1)
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	75-35-4	J(M1)
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	156-59-2	J(M1)
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	156-60-5	J(M1)
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	78-87-5	J(M1)
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/12/16 14:43	10061-01-5	J(M1)
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/12/16 14:43	10061-02-6	J(M1)
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	100-41-4	J(M1)
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 14:43	591-78-6	J(M1)
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/12/16 14:43	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/12/16 14:43	75-09-2	J(M1)
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 14:43	108-10-1	J(M1)
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	100-42-5	J(M1)
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	630-20-6	J(M1)
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/12/16 14:43	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	127-18-4	J(M1)
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	108-88-3	J(M1)
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	71-55-6	J(M1)
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	79-00-5	J(M1)
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	79-01-6	J(M1)
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/12/16 14:43	96-18-4	J(M1)
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/12/16 14:43	108-05-4	J(M1)
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 14:43	75-01-4	J(M1)
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/12/16 14:43	1330-20-7	MS
Surrogates									
4-Bromofluorobenzene (S)	90	%	89-111		1		11/12/16 14:43	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	75-135		1		11/12/16 14:43	17060-07-0	
Toluene-d8 (S)	102	%	89-112		1		11/12/16 14:43	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**2370**	mg/L	20.0	20.0	1		11/04/16 15:42		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**167**	mg/L	50.0	25.0	10		11/07/16 19:28	16887-00-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-15 **Lab ID: 35274180002** Collected: 11/02/16 10:19 Received: 11/03/16 00:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**25.0 U**	mg/L	50.0	25.0	10		11/07/16 19:28	14808-79-8	D3
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**28.2**	mg/L	0.25	0.10	5		11/14/16 12:17	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.10 U**	mg/L	0.40	0.10	10		11/03/16 12:13		D3

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-10R **Lab ID: 35274180003** Collected: 11/02/16 11:43 Received: 11/03/16 00:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	6.41	Std. Units			1		11/02/16 11:43		
Field Temperature	29.57	deg C			1		11/02/16 11:43		
Field Specific Conductance	1665	umhos/cm			1		11/02/16 11:43		
Oxygen, Dissolved	0.04	mg/L			1		11/02/16 11:43	7782-44-7	
Turbidity	0.61	NTU			1		11/02/16 11:43		
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	11/03/16 17:00	11/04/16 21:10	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	11/03/16 17:00	11/04/16 21:10	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	8.2 I	ug/L	10.0	5.0	1	11/13/16 19:55	11/14/16 16:25	7440-38-2	
Barium	83.5	ug/L	10.0	5.0	1	11/13/16 19:55	11/14/16 16:25	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	11/13/16 19:55	11/14/16 16:25	7440-41-7	
Cadmium	1.4	ug/L	1.0	0.50	1	11/13/16 19:55	11/14/16 16:25	7440-43-9	
Chromium	2.6 I	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 16:25	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	11/13/16 19:55	11/14/16 16:25	7440-48-4	
Copper	6.8	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 16:25	7440-50-8	
Iron	54200	ug/L	40.0	20.0	1	11/13/16 19:55	11/14/16 16:25	7439-89-6	
Lead	5.0 U	ug/L	10.0	5.0	1	11/13/16 19:55	11/14/16 16:25	7439-92-1	
Manganese	69.0	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 16:25	7439-96-5	
Nickel	2.5 U	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 16:25	7440-02-0	
Selenium	9.1 I	ug/L	15.0	7.5	1	11/13/16 19:55	11/14/16 16:25	7782-49-2	
Silver	2.5 U	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 16:25	7440-22-4	
Sodium	84.3	mg/L	1.0	0.50	1	11/13/16 19:55	11/14/16 16:25	7440-23-5	
Vanadium	5.0 U	ug/L	10.0	5.0	1	11/13/16 19:55	11/14/16 16:25	7440-62-2	
Zinc	10.0 U	ug/L	20.0	10.0	1	11/13/16 19:55	11/14/16 16:25	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	11/14/16 18:34	11/15/16 17:06	7440-36-0	
Thallium	0.50 U	ug/L	1.0	0.50	1	11/14/16 18:34	11/15/16 17:06	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	0.10 U	ug/L	0.20	0.10	1	11/12/16 08:30	11/15/16 13:16	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	10.0 U	ug/L	20.0	10.0	1		11/12/16 15:07	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		11/12/16 15:07	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		11/12/16 15:07	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		11/12/16 15:07	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		11/12/16 15:07	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		11/12/16 15:07	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		11/12/16 15:07	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		11/12/16 15:07	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		11/12/16 15:07	75-15-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-10R **Lab ID: 35274180003** Collected: 11/02/16 11:43 Received: 11/03/16 00:20 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		11/12/16 15:07	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/12/16 15:07	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/12/16 15:07	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/12/16 15:07	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 15:07	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/12/16 15:07	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/12/16 15:07	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 15:07	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/12/16 15:07	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/12/16 15:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 15:07	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/12/16 15:07	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/12/16 15:07	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/12/16 15:07	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 15:07	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/12/16 15:07	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91	%	89-111		1		11/12/16 15:07	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	75-135		1		11/12/16 15:07	17060-07-0	
Toluene-d8 (S)	100	%	89-112		1		11/12/16 15:07	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**856**	mg/L	10.0	10.0	1		11/04/16 15:43		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**77.7**	mg/L	25.0	12.5	5		11/07/16 19:50	16887-00-6	

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(386)672-5668

ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: MW-10R **Lab ID: 35274180003** Collected: 11/02/16 11:43 Received: 11/03/16 00:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**12.5 U**	mg/L	25.0	12.5	5		11/07/16 19:50	14808-79-8	D3
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**7.0**	mg/L	0.050	0.020	1		11/14/16 12:09	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.10 U**	mg/L	0.40	0.10	10		11/03/16 12:14		D3

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Equip Blank 110216 **Lab ID: 35274180004** Collected: 11/02/16 12:10 Received: 11/03/16 00:20 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	11/03/16 17:00	11/04/16 21:25	96-12-8	J(M1), J(R1)
1,2-Dibromoethane (EDB)	**0.0078 U**	ug/L	0.010	0.0078	1	11/03/16 17:00	11/04/16 21:25	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	11/13/16 19:55	11/14/16 16:29	7440-38-2	
Barium	**5.0 U**	ug/L	10.0	5.0	1	11/13/16 19:55	11/14/16 16:29	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/13/16 19:55	11/14/16 16:29	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/13/16 19:55	11/14/16 16:29	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 16:29	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/13/16 19:55	11/14/16 16:29	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 16:29	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/13/16 19:55	11/14/16 16:29	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/13/16 19:55	11/14/16 16:29	7439-92-1	
Manganese	**2.5 U**	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 16:29	7439-96-5	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 16:29	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/13/16 19:55	11/14/16 16:29	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/13/16 19:55	11/14/16 16:29	7440-22-4	
Sodium	**0.50 U**	mg/L	1.0	0.50	1	11/13/16 19:55	11/14/16 16:29	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/13/16 19:55	11/14/16 16:29	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/13/16 19:55	11/14/16 16:29	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	11/14/16 18:34	11/15/16 17:27	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/14/16 18:34	11/15/16 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	11/12/16 08:30	11/15/16 13:18	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/12/16 13:29	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 13:29	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/12/16 13:29	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/12/16 13:29	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/12/16 13:29	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 13:29	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 13:29	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/12/16 13:29	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/12/16 13:29	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/12/16 13:29	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	74-95-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
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(386)672-5668

ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Equip Blank 110216 **Lab ID: 35274180004** Collected: 11/02/16 12:10 Received: 11/03/16 00:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 13:29	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/12/16 13:29	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/12/16 13:29	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 13:29	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/12/16 13:29	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/12/16 13:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 13:29	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/12/16 13:29	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/12/16 13:29	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/12/16 13:29	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:29	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/12/16 13:29	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	89-111		1		11/12/16 13:29	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	75-135		1		11/12/16 13:29	17060-07-0	
Toluene-d8 (S)	100	%	89-112		1		11/12/16 13:29	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**7.0**	mg/L	5.0	5.0	1		11/04/16 15:43		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		11/07/16 20:11	16887-00-6	
Sulfate	**2.5 U**	mg/L	5.0	2.5	1		11/07/16 20:11	14808-79-8	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		11/14/16 12:10	7664-41-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Equip Blank 110216 **Lab ID: 35274180004** Collected: 11/02/16 12:10 Received: 11/03/16 00:20 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	**0.010 U**	mg/L	0.040	0.010	1		11/03/16 12:04		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Trip Blank 110216 **Lab ID: 35274180005** Collected: 11/02/16 12:10 Received: 11/03/16 00:20 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		11/12/16 13:03	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 13:03	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/12/16 13:03	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/12/16 13:03	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	75-25-2	
Bromomethane	**0.50 U**	ug/L	5.0	0.50	1		11/12/16 13:03	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 13:03	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 13:03	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	108-90-7	
Chloroethane	**0.50 U**	ug/L	10.0	0.50	1		11/12/16 13:03	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/12/16 13:03	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/12/16 13:03	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 13:03	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/12/16 13:03	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/12/16 13:03	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 13:03	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/12/16 13:03	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/12/16 13:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/12/16 13:03	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/12/16 13:03	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	127-18-4	
Toluene	**0.58 I**	ug/L	1.0	0.50	1		11/12/16 13:03	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/12/16 13:03	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/12/16 13:03	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/12/16 13:03	75-01-4	
Xylene (Total)	**1.5 U**	ug/L	3.0	1.5	1		11/12/16 13:03	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Sample: Trip Blank 110216 **Lab ID: 35274180005** Collected: 11/02/16 12:10 Received: 11/03/16 00:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	92	%	89-111		1		11/12/16 13:03	460-00-4	J(HS)
1,2-Dichloroethane-d4 (S)	102	%	75-135		1		11/12/16 13:03	17060-07-0	
Toluene-d8 (S)	101	%	89-112		1		11/12/16 13:03	2037-26-5	

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 335812 Analysis Method: EPA 1631E
QC Batch Method: EPA 1631E Analysis Description: 1631E Mercury,Low Level
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

METHOD BLANK: 1862030 Matrix: Water
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.00025 U	0.00050	0.00025	11/07/16 09:56	

METHOD BLANK: 1862031 Matrix: Water
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.00025 U	0.00050	0.00025	11/07/16 11:43	

METHOD BLANK: 1862032 Matrix: Water
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.00025 U	0.00050	0.00025	11/07/16 13:22	

LABORATORY CONTROL SAMPLE: 1862033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	.005	0.00485	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1862034 1862035

Parameter	Units	92318471002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	2.68 ng/L	.025	.025	0.0274	0.0274	99	99	71-125	0	24	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1862036 1862037

Parameter	Units	92318330002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	12.4 ng/L	.025	.025	0.0375	0.0380	100	102	71-125	1	24	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329528
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 35272484001, 35272484002

METHOD BLANK: 1760467
Matrix: Water
Associated Lab Samples: 35272484001, 35272484002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	11/02/16 13:19	

LABORATORY CONTROL SAMPLE: 1760468

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: 1760469 1760470

Parameter	Units	35271251016 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	1.8	2.0	90	102	75-125	12	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329948 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35272736001, 35272924001, 35272924002, 35272924003, 35272924004, 35272924005

METHOD BLANK: 1762604 Matrix: Water
Associated Lab Samples: 35272736001, 35272924001, 35272924002, 35272924003, 35272924004, 35272924005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	11/04/16 16:09	

LABORATORY CONTROL SAMPLE: 1762605

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1762606 1762607

Parameter	Units	35272736001 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	1.7	1.8	86	90	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(386)672-5668

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 331902 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35274180001, 35274180002, 35274180003, 35274180004

METHOD BLANK: 1775792 Matrix: Water
Associated Lab Samples: 35274180001, 35274180002, 35274180003, 35274180004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	11/15/16 12:57	

LABORATORY CONTROL SAMPLE: 1775793

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.1	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1775794 1775795

Parameter	Units	35274180001 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	1.7	1.7	83	83	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329031 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35272484001, 35272484002

METHOD BLANK: 1757633 Matrix: Water
Associated Lab Samples: 35272484001, 35272484002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	5.0	10/31/16 14:57	
Barium	ug/L	5.0 U	10.0	5.0	10/31/16 14:57	
Beryllium	ug/L	0.50 U	1.0	0.50	10/31/16 14:57	
Cadmium	ug/L	0.50 U	1.0	0.50	10/31/16 14:57	
Chromium	ug/L	2.5 U	5.0	2.5	10/31/16 14:57	
Cobalt	ug/L	5.0 U	10.0	5.0	10/31/16 14:57	
Copper	ug/L	2.5 U	5.0	2.5	10/31/16 14:57	
Iron	ug/L	20.0 U	40.0	20.0	10/31/16 14:57	
Lead	ug/L	5.0 U	10.0	5.0	10/31/16 14:57	
Manganese	ug/L	2.5 U	5.0	2.5	10/31/16 14:57	
Nickel	ug/L	2.5 U	5.0	2.5	10/31/16 14:57	
Selenium	ug/L	7.5 U	15.0	7.5	10/31/16 14:57	
Silver	ug/L	2.5 U	5.0	2.5	10/31/16 14:57	
Sodium	mg/L	0.50 U	1.0	0.50	10/31/16 14:57	
Vanadium	ug/L	5.0 U	10.0	5.0	10/31/16 14:57	
Zinc	ug/L	10.0 U	20.0	10.0	10/31/16 14:57	

LABORATORY CONTROL SAMPLE: 1757634

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	243	97	80-120	
Barium	ug/L	250	262	105	80-120	
Beryllium	ug/L	25	25.0	100	80-120	
Cadmium	ug/L	25	26.4	105	80-120	
Chromium	ug/L	250	255	102	80-120	
Cobalt	ug/L	250	258	103	80-120	
Copper	ug/L	250	240	96	80-120	
Iron	ug/L	2500	2510	101	80-120	
Lead	ug/L	250	270	108	80-120	
Manganese	ug/L	250	251	100	80-120	
Nickel	ug/L	250	261	104	80-120	
Selenium	ug/L	250	260	104	80-120	
Silver	ug/L	25	25.3	101	80-120	
Sodium	mg/L	12.5	13.3	106	80-120	
Vanadium	ug/L	250	244	98	80-120	
Zinc	ug/L	1250	1250	100	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1757635 1757636

Parameter	Units	35272023002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	12.8	250	250	255	269	97	103	75-125	5	20	
Barium	ug/L	18.7	250	250	272	278	101	104	75-125	2	20	
Beryllium	ug/L	0.50 U	25	25	24.1	25.0	96	100	75-125	3	20	
Cadmium	ug/L	3.5	25	25	27.6	28.3	96	99	75-125	3	20	
Chromium	ug/L	6.9	250	250	256	260	100	101	75-125	2	20	
Cobalt	ug/L	5.0 U	250	250	252	260	99	102	75-125	3	20	
Copper	ug/L	2.9 I	250	250	250	256	99	101	75-125	3	20	
Iron	ug/L	14800	2500	2500	17200	17600	95	109	75-125	2	20	
Lead	ug/L	5.0 U	250	250	256	259	102	103	75-125	1	20	
Manganese	ug/L	5.1	250	250	244	251	95	98	75-125	3	20	
Nickel	ug/L	7.8	250	250	256	264	99	103	75-125	3	20	
Selenium	ug/L	9.5 I	250	250	262	271	101	104	75-125	3	20	
Silver	ug/L	2.5 U	25	25	26.1	26.6	103	105	75-125	2	20	
Sodium	mg/L	166	12.5	12.5	182	184	127	147	75-125	1	20	J(M1)
Vanadium	ug/L	12.3	250	250	253	260	96	99	75-125	3	20	
Zinc	ug/L	10.0 U	1250	1250	1240	1280	99	102	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329880 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35272736001, 35272737001, 35272737002, 35272737003, 35272737004, 35272737005, 35272737006, 35272924002, 35272924003, 35272924004, 35272924005

METHOD BLANK: 1762361 Matrix: Water
Associated Lab Samples: 35272736001, 35272737001, 35272737002, 35272737003, 35272737004, 35272737005, 35272737006, 35272924002, 35272924003, 35272924004, 35272924005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	5.0	11/07/16 12:23	
Barium	ug/L	5.0 U	10.0	5.0	11/07/16 12:23	
Beryllium	ug/L	0.50 U	1.0	0.50	11/07/16 12:23	
Cadmium	ug/L	0.50 U	1.0	0.50	11/07/16 12:23	
Chromium	ug/L	2.5 U	5.0	2.5	11/07/16 12:23	
Cobalt	ug/L	5.0 U	10.0	5.0	11/07/16 12:23	
Copper	ug/L	11.6	5.0	2.5	11/07/16 12:23	
Iron	ug/L	20.0 U	40.0	20.0	11/07/16 12:23	
Lead	ug/L	5.0 U	10.0	5.0	11/07/16 12:23	
Manganese	ug/L	2.5 U	5.0	2.5	11/07/16 12:23	
Nickel	ug/L	2.5 U	5.0	2.5	11/07/16 12:23	
Selenium	ug/L	7.5 U	15.0	7.5	11/07/16 12:23	
Silver	ug/L	2.5 U	5.0	2.5	11/07/16 12:23	
Sodium	mg/L	0.50 U	1.0	0.50	11/07/16 12:23	
Vanadium	ug/L	5.0 U	10.0	5.0	11/07/16 12:23	
Zinc	ug/L	10.0 U	20.0	10.0	11/07/16 12:23	

LABORATORY CONTROL SAMPLE: 1762362

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	239	95	80-120	
Barium	ug/L	250	243	97	80-120	
Beryllium	ug/L	.25	25.4	102	80-120	
Cadmium	ug/L	25	24.9	100	80-120	
Chromium	ug/L	250	250	100	80-120	
Cobalt	ug/L	250	252	101	80-120	
Copper	ug/L	250	250	100	80-120	
Iron	ug/L	2500	2490	100	80-120	
Lead	ug/L	250	248	99	80-120	
Manganese	ug/L	250	253	101	80-120	
Nickel	ug/L	250	252	101	80-120	
Selenium	ug/L	250	250	100	80-120	
Silver	ug/L	25	24.6	99	80-120	
Sodium	mg/L	12.5	13.0	104	80-120	
Vanadium	ug/L	250	248	99	80-120	
Zinc	ug/L	1250	1230	98	80-120	

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REPORT OF LABORATORY ANALYSIS

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(386)672-5668

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1762363 1762364

Parameter	Units	35272736001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	8.4 I	250	250	260	255	100	98	75-125	2	20	
Barium	ug/L	49.8	250	250	302	292	101	97	75-125	3	20	
Beryllium	ug/L	0.50 U	25	25	26.8	26.4	107	105	75-125	1	20	
Cadmium	ug/L	0.50 U	25	25	25.0	24.1	100	96	75-125	4	20	
Chromium	ug/L	2.9 I	250	250	259	253	102	100	75-125	2	20	
Cobalt	ug/L	5.0 U	250	250	258	249	103	100	75-125	4	20	
Copper	ug/L	2.5 U	250	250	263	254	105	102	75-125	4	20	
Iron	ug/L	3840	2500	2500	6490	6290	106	98	75-125	3	20	
Lead	ug/L	5.0 U	250	250	253	248	101	99	75-125	2	20	
Manganese	ug/L	14.5	250	250	278	275	105	104	75-125	1	20	
Nickel	ug/L	2.5 U	250	250	257	249	103	99	75-125	3	20	
Selenium	ug/L	7.5 U	250	250	257	250	102	99	75-125	3	20	
Silver	ug/L	2.5 U	25	25	25.6	24.7	102	99	75-125	3	20	
Sodium	mg/L	16.7	12.5	12.5	30.4	29.1	110	99	75-125	4	20	
Vanadium	ug/L	5.0 U	250	250	261	254	103	100	75-125	3	20	
Zinc	ug/L	10.0 U	1250	1250	1270	1240	102	99	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 330246 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35272924001, 35273562001, 35273563001, 35273565001, 35273565002

METHOD BLANK: 1764648 Matrix: Water
Associated Lab Samples: 35272924001, 35273562001, 35273563001, 35273565001, 35273565002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	5.0	11/07/16 10:37	
Barium	ug/L	5.0 U	10.0	5.0	11/07/16 10:37	
Beryllium	ug/L	0.50 U	1.0	0.50	11/07/16 10:37	
Cadmium	ug/L	0.50 U	1.0	0.50	11/07/16 10:37	
Chromium	ug/L	2.5 U	5.0	2.5	11/07/16 10:37	
Cobalt	ug/L	5.0 U	10.0	5.0	11/07/16 10:37	
Copper	ug/L	2.5 U	5.0	2.5	11/07/16 10:37	
Iron	ug/L	20.0 U	40.0	20.0	11/07/16 10:37	
Lead	ug/L	5.0 U	10.0	5.0	11/07/16 10:37	
Manganese	ug/L	2.5 U	5.0	2.5	11/07/16 10:37	
Nickel	ug/L	2.5 U	5.0	2.5	11/07/16 10:37	
Selenium	ug/L	7.5 U	15.0	7.5	11/07/16 10:37	
Silver	ug/L	2.5 U	5.0	2.5	11/07/16 10:37	
Sodium	mg/L	0.50 U	1.0	0.50	11/07/16 10:37	
Tot Hardness asCaCO3 (SM 2340B	mg/L	1.6 U	3.2	1.6	11/07/16 10:37	
Vanadium	ug/L	5.0 U	10.0	5.0	11/07/16 10:37	
Zinc	ug/L	10.0 U	20.0	10.0	11/07/16 10:37	

LABORATORY CONTROL SAMPLE: 1764649

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	236	94	80-120	
Barium	ug/L	250	237	95	80-120	
Beryllium	ug/L	25	25.0	100	80-120	
Cadmium	ug/L	25	24.6	99	80-120	
Chromium	ug/L	250	246	98	80-120	
Cobalt	ug/L	250	247	99	80-120	
Copper	ug/L	250	242	97	80-120	
Iron	ug/L	2500	2460	98	80-120	
Lead	ug/L	250	245	98	80-120	
Manganese	ug/L	250	249	100	80-120	
Nickel	ug/L	250	248	99	80-120	
Selenium	ug/L	250	246	98	80-120	
Silver	ug/L	25	24.2	97	80-120	
Sodium	mg/L	12.5	12.7	102	80-120	
Tot Hardness asCaCO3 (SM 2340B	mg/L	82.7	82.2	99	80-120	
Vanadium	ug/L	250	242	97	80-120	
Zinc	ug/L	1250	1200	96	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1764650 1764651

Parameter	Units	35273483002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	<5.0	250	250	240	239	96	95	75-125	0	20	
Barium	ug/L	7.6 I	250	250	246	252	95	98	75-125	2	20	
Beryllium	ug/L	<0.50	25	25	25.5	25.6	102	102	75-125	1	20	
Cadmium	ug/L	<0.50	25	25	24.3	24.3	97	97	75-125	0	20	
Chromium	ug/L	3.0 I	250	250	249	249	99	98	75-125	0	20	
Cobalt	ug/L	<5.0	250	250	248	248	99	99	75-125	0	20	
Copper	ug/L	<2.5	250	250	250	261	100	104	75-125	4	20	
Iron	ug/L	462	2500	2500	2940	2970	99	100	75-125	1	20	
Lead	ug/L	<5.0	250	250	243	239	97	96	75-125	2	20	
Manganese	ug/L	9.6	250	250	259	261	100	101	75-125	1	20	
Nickel	ug/L	<2.5	250	250	247	247	99	99	75-125	0	20	
Selenium	ug/L	<7.5	250	250	246	246	98	98	75-125	0	20	
Silver	ug/L	<2.5	25	25	24.1	25.1	97	100	75-125	4	20	
Sodium	mg/L	18.3	12.5	12.5	30.5	31.2	98	103	75-125	2	20	
Tot Hardness asCaCO3 (SM 2340B	mg/L	188000 ug/L	82.7	82.7	267	269	96	98	75-125	1	20	
Vanadium	ug/L	<5.0	250	250	248	252	98	100	75-125	2	20	
Zinc	ug/L	<10.0	1250	1250	1210	1220	97	97	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 332016 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35274180001, 35274180002, 35274180003, 35274180004

METHOD BLANK: 1776700 Matrix: Water
Associated Lab Samples: 35274180001, 35274180002, 35274180003, 35274180004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	5.0	11/14/16 15:49	
Barium	ug/L	5.0 U	10.0	5.0	11/14/16 15:49	
Beryllium	ug/L	0.50 U	1.0	0.50	11/14/16 15:49	
Cadmium	ug/L	0.50 U	1.0	0.50	11/14/16 15:49	
Chromium	ug/L	2.5 U	5.0	2.5	11/14/16 15:49	
Cobalt	ug/L	5.0 U	10.0	5.0	11/14/16 15:49	
Copper	ug/L	2.5 U	5.0	2.5	11/14/16 15:49	
Iron	ug/L	20.0 U	40.0	20.0	11/14/16 15:49	
Lead	ug/L	5.0 U	10.0	5.0	11/14/16 15:49	
Manganese	ug/L	2.5 U	5.0	2.5	11/14/16 15:49	
Nickel	ug/L	2.5 U	5.0	2.5	11/14/16 15:49	
Selenium	ug/L	7.5 U	15.0	7.5	11/14/16 15:49	
Silver	ug/L	2.5 U	5.0	2.5	11/14/16 15:49	
Sodium	mg/L	0.50 U	1.0	0.50	11/14/16 15:49	
Vanadium	ug/L	5.0 U	10.0	5.0	11/14/16 15:49	
Zinc	ug/L	10.0 U	20.0	10.0	11/14/16 15:49	

LABORATORY CONTROL SAMPLE: 1776701

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	242	97	80-120	
Barium	ug/L	250	249	100	80-120	
Beryllium	ug/L	25	27.4	110	80-120	
Cadmium	ug/L	25	25.4	102	80-120	
Chromium	ug/L	250	264	106	80-120	
Cobalt	ug/L	250	252	101	80-120	
Copper	ug/L	250	260	104	80-120	
Iron	ug/L	2500	2630	105	80-120	
Lead	ug/L	250	257	103	80-120	
Manganese	ug/L	250	264	106	80-120	
Nickel	ug/L	250	251	100	80-120	
Selenium	ug/L	250	241	97	80-120	
Silver	ug/L	25	25.1	100	80-120	
Sodium	mg/L	12.5	13.2	106	80-120	
Vanadium	ug/L	250	263	105	80-120	
Zinc	ug/L	1250	1230	99	80-120	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1776702 1776703

Parameter	Units	35274180001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	46.2	250	250	332	336	114	116	75-125	1	20	
Barium	ug/L	89.4	250	250	643	664	222	230	75-125	3	20	J(M1)
Beryllium	ug/L	0.50 U	25	25	28.6	27.8	114	111	75-125	3	20	
Cadmium	ug/L	1.6	25	25	27.9	27.9	105	105	75-125	0	20	
Chromium	ug/L	4.0 I	250	250	272	264	107	104	75-125	3	20	
Cobalt	ug/L	5.0 U	250	250	260	261	103	104	75-125	0	20	
Copper	ug/L	7.5	250	250	302	297	118	116	75-125	2	20	
Iron	ug/L	56800	2500	2500	69700	72300	516	620	75-125	4	20	J(M1)
Lead	ug/L	5.0 U	250	250	246	245	98	98	75-125	1	20	
Manganese	ug/L	25.0	250	250	965	987	376	385	75-125	2	20	J(M1)
Nickel	ug/L	2.5 U	250	250	257	258	103	103	75-125	0	20	
Selenium	ug/L	12.2 I	250	250	266	273	101	104	75-125	3	20	
Silver	ug/L	2.5 U	25	25	27.9	27.2	112	109	75-125	3	20	
Sodium	mg/L	211	12.5	12.5	93.2	97.0	-945	-914	75-125	4	20	J(M1)
Vanadium	ug/L	8.2 I	250	250	285	278	111	108	75-125	2	20	
Zinc	ug/L	10.0 U	1250	1250	1340	1340	107	107	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329032 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35272484001, 35272484002

METHOD BLANK: 1757637 Matrix: Water
Associated Lab Samples: 35272484001, 35272484002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/01/16 10:27	
Thallium	ug/L	0.50 U	1.0	0.50	11/01/16 10:27	

LABORATORY CONTROL SAMPLE: 1757638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	48.1	96	80-120	
Thallium	ug/L	50	49.3	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1757639 1757640

Parameter	Units	35272023003 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	46.9	47.7	93	95	75-125	2	20	
Thallium	ug/L	0.50 U	50	50	49.7	50.5	99	101	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329883 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35272736001, 35272737001, 35272737002, 35272737003, 35272737004, 35272737005, 35272737006, 35272924002, 35272924003, 35272924004, 35272924005

METHOD BLANK: 1762374 Matrix: Water
Associated Lab Samples: 35272736001, 35272737001, 35272737002, 35272737003, 35272737004, 35272737005, 35272737006, 35272924002, 35272924003, 35272924004, 35272924005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/04/16 15:28	
Arsenic	ug/L	0.50 U	1.0	0.50	11/04/16 15:28	
Thallium	ug/L	0.50 U	1.0	0.50	11/04/16 15:28	

LABORATORY CONTROL SAMPLE: 1762375

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	46.3	93	80-120	
Arsenic	ug/L	50	46.9	94	80-120	
Thallium	ug/L	50	48.1	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1762376 1762377

Parameter	Units	35272737001 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	45.9	45.6	92	91	75-125	1	20	
Arsenic	ug/L	3.2	50	50	50.1	49.5	94	93	75-125	1	20	
Thallium	ug/L	0.50 U	50	50	51.1	50.6	102	101	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 330217
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Associated Lab Samples: 35272924001

METHOD BLANK: 1764344
Matrix: Water
Associated Lab Samples: 35272924001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/07/16 22:32	
Thallium	ug/L	0.50 U	1.0	0.50	11/07/16 22:32	

LABORATORY CONTROL SAMPLE: 1764345

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	51.6	103	80-120	
Thallium	ug/L	50	54.5	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1764346 1764347

Parameter	Units	92317700001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	50	50	46.0	47.3	92	95	75-125	3	20	
Thallium	ug/L	ND	50	50	49.7	50.4	99	101	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 330247 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

METHOD BLANK: 1764652 Matrix: Water
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/09/16 12:25	
Beryllium	ug/L	0.050 U	0.10	0.050	11/09/16 12:25	
Cadmium	ug/L	0.050 U	0.10	0.050	11/09/16 12:25	
Copper	ug/L	0.93 U	1.0	0.93	11/09/16 12:25	
Lead	ug/L	0.50 U	1.0	0.50	11/09/16 12:25	
Selenium	ug/L	0.50 U	1.0	0.50	11/09/16 12:25	
Silver	ug/L	0.050 U	0.10	0.050	11/09/16 12:25	
Thallium	ug/L	0.50 U	1.0	0.50	11/09/16 12:25	
Zinc	ug/L	2.5 U	5.0	2.5	11/09/16 12:25	

LABORATORY CONTROL SAMPLE: 1764653

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.2	98	80-120	
Beryllium	ug/L	5	5.1	102	80-120	
Cadmium	ug/L	5	4.9	99	80-120	
Copper	ug/L	50	53.4	107	80-120	
Lead	ug/L	50	50.6	101	80-120	
Selenium	ug/L	50	51.2	102	80-120	
Silver	ug/L	5	5.2	104	80-120	
Thallium	ug/L	50	51.6	103	80-120	
Zinc	ug/L	250	254	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1764654 1764655

Parameter	Units	35273562001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.58 I	50	50	49.4	50.0	98	99	75-125	1	20	
Beryllium	ug/L	0.050 U	5	5	5.3	5.4	106	107	75-125	0	20	
Cadmium	ug/L	0.050 U	5	5	4.9	4.9	97	98	75-125	1	20	
Copper	ug/L	0.93 U	50	50	50.4	50.6	99	100	75-125	0	20	
Lead	ug/L	0.50 U	50	50	52.1	51.8	103	103	75-125	1	20	
Selenium	ug/L	0.50 U	50	50	49.4	49.8	98	99	75-125	1	20	
Silver	ug/L	0.050 U	5	5	5.0	5.0	100	100	75-125	0	20	
Thallium	ug/L	0.50 U	50	50	52.8	52.7	106	105	75-125	0	20	
Zinc	ug/L	8.6	250	250	247	252	95	98	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 332232 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35274180002, 35274180003, 35274180004

METHOD BLANK: 1777437 Matrix: Water
Associated Lab Samples: 35274180002, 35274180003, 35274180004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/15/16 16:57	
Thallium	ug/L	0.50 U	1.0	0.50	11/15/16 16:57	

LABORATORY CONTROL SAMPLE: 1777438

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	48.1	96	80-120	
Thallium	ug/L	50	49.5	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1777439 1777440

Parameter	Units	35274180003 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	49.7	47.5	99	95	75-125	5	20	
Thallium	ug/L	0.50 U	50	50	50.7	48.4	101	97	75-125	5	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 332664
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Associated Lab Samples: 35274180001

METHOD BLANK: 1780418
Matrix: Water
Associated Lab Samples: 35274180001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/16/16 15:11	
Thallium	ug/L	0.50 U	1.0	0.50	11/16/16 15:11	

LABORATORY CONTROL SAMPLE: 1780419

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	44.8	90	80-120	
Thallium	ug/L	50	48.5	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1780420 1780421

Parameter	Units	35275469002 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	45.4	45.2	91	90	75-125	0	20	
Thallium	ug/L	0.50 U	50	50	48.2	47.9	96	96	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 330009 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35272484001, 35272484002, 35272484003

METHOD BLANK: 1762937 Matrix: Water
Associated Lab Samples: 35272484001, 35272484002, 35272484003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/03/16 16:00	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/03/16 16:00	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/03/16 16:00	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/03/16 16:00	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/03/16 16:00	
Acetone	ug/L	10.0 U	20.0	10.0	11/03/16 16:00	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/03/16 16:00	
Benzene	ug/L	0.10 U	1.0	0.10	11/03/16 16:00	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/03/16 16:00	
Bromoform	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
Bromomethane	ug/L	0.50 U	5.0	0.50	11/03/16 16:00	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/03/16 16:00	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
Chloroethane	ug/L	0.50 U	10.0	0.50	11/03/16 16:00	
Chloroform	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/03/16 16:00	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/03/16 16:00	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/03/16 16:00	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/03/16 16:00	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/03/16 16:00	
Styrene	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
Toluene	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/03/16 16:00	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/03/16 16:00	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

METHOD BLANK: 1762937 Matrix: Water
Associated Lab Samples: 35272484001, 35272484002, 35272484003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/03/16 16:00	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/03/16 16:00	
Xylene (Total)	ug/L	1.5 U	3.0	1.5	11/03/16 16:00	
1,2-Dichloroethane-d4 (S)	%	95	75-135		11/03/16 16:00	
4-Bromofluorobenzene (S)	%	105	89-111		11/03/16 16:00	
Toluene-d8 (S)	%	95	89-112		11/03/16 16:00	

LABORATORY CONTROL SAMPLE: 1762938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.3	97	70-130	
1,1,1-Trichloroethane	ug/L	20	18.2	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.2	96	70-130	
1,1,2-Trichloroethane	ug/L	20	18.8	94	70-130	
1,1-Dichloroethane	ug/L	20	16.0	80	70-130	
1,1-Dichloroethene	ug/L	20	17.9	89	65-134	
1,2,3-Trichloropropane	ug/L	20	18.3	91	65-135	
1,2-Dichlorobenzene	ug/L	20	20.9	105	70-130	
1,2-Dichloroethane	ug/L	20	17.6	88	70-130	
1,2-Dichloropropane	ug/L	20	15.6	78	70-130	
1,4-Dichlorobenzene	ug/L	20	19.7	99	70-130	
2-Butanone (MEK)	ug/L	40	38.0	95	61-129	
2-Hexanone	ug/L	40	43.2	108	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	40.0	100	70-130	
Acetone	ug/L	40	40.1	100	44-155	
Acrylonitrile	ug/L	200	149	75	59-138	
Benzene	ug/L	20	17.3	87	70-130	
Bromochloromethane	ug/L	20	19.0	95	70-130	
Bromodichloromethane	ug/L	20	19.1	95	70-130	
Bromoform	ug/L	20	16.7	83	62-129	
Bromomethane	ug/L	20	21.0	105	10-179	
Carbon disulfide	ug/L	20	17.0	85	40-156	
Carbon tetrachloride	ug/L	20	17.1	86	66-127	
Chlorobenzene	ug/L	20	19.1	96	70-130	
Chloroethane	ug/L	20	14.6	73	57-142	
Chloroform	ug/L	20	18.5	92	70-130	
Chloromethane	ug/L	20	20.2	101	45-150	
cis-1,2-Dichloroethene	ug/L	20	16.5	82	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.6	88	70-130	
Dibromochloromethane	ug/L	20	18.4	92	70-130	
Dibromomethane	ug/L	20	20.0	100	70-130	
Ethylbenzene	ug/L	20	18.7	93	70-130	
Iodomethane	ug/L	40	39.2	98	21-150	

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8 East Tower Circle
Ormond Beach, FL 32174
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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

LABORATORY CONTROL SAMPLE: 1762938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	16.2	81	65-127	
Styrene	ug/L	20	21.8	109	70-130	
Tetrachloroethene	ug/L	20	17.2	86	48-155	
Toluene	ug/L	20	18.0	90	70-130	
trans-1,2-Dichloroethene	ug/L	20	16.0	80	68-126	
trans-1,3-Dichloropropene	ug/L	20	18.2	91	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	15.6	78	46-138	
Trichloroethene	ug/L	20	17.0	85	69-129	
Trichlorofluoromethane	ug/L	20	23.0	115	60-144	
Vinyl acetate	ug/L	20	19.7	99	70-130	
Vinyl chloride	ug/L	20	19.7	99	67-136	
Xylene (Total)	ug/L	60	59.3	99	70-130	
1,2-Dichloroethane-d4 (S)	%			99	75-135	
4-Bromofluorobenzene (S)	%			104	89-111	
Toluene-d8 (S)	%			96	89-112	

MATRIX SPIKE SAMPLE: 1764001

Parameter	Units	35272484001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	17.1	85	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	18.1	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	17.8	89	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	17.4	87	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	15.9	79	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	18.3	92	65-134	
1,2,3-Trichloropropane	ug/L	0.59 U	20	16.6	83	65-135	
1,2-Dichlorobenzene	ug/L	0.50 U	20	17.6	88	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	16.6	83	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	15.7	78	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	17.6	88	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	35.0	88	61-129	
2-Hexanone	ug/L	5.0 U	40	39.2	98	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	36.4	91	70-130	
Acetone	ug/L	10.0 U	40	36.4	91	44-155	
Acrylonitrile	ug/L	5.0 U	200	126	63	59-138	
Benzene	ug/L	0.10 U	20	16.7	84	70-130	
Bromochloromethane	ug/L	0.50 U	20	17.7	88	70-130	
Bromodichloromethane	ug/L	0.27 U	20	17.0	85	70-130	
Bromoform	ug/L	0.50 U	20	14.5	72	62-129	
Bromomethane	ug/L	0.50 U	20	15.4	77	10-179	
Carbon disulfide	ug/L	5.0 U	20	18.8	94	40-156	
Carbon tetrachloride	ug/L	0.50 U	20	16.2	81	66-127	
Chlorobenzene	ug/L	0.50 U	20	17.2	86	70-130	
Chloroethane	ug/L	0.50 U	20	18.9	95	57-142	
Chloroform	ug/L	0.50 U	20	17.3	87	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

MATRIX SPIKE SAMPLE: 1764001

Parameter	Units	35272484001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	16.6	83	45-150	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	15.9	80	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	15.5	77	70-130	
Dibromochloromethane	ug/L	0.26 U	20	16.1	80	70-130	
Dibromomethane	ug/L	0.50 U	20	17.9	90	70-130	
Ethylbenzene	ug/L	0.50 U	20	17.3	86	70-130	
Iodomethane	ug/L	0.50 U	40	35.0	88	21-150	
Methylene Chloride	ug/L	2.5 U	20	15.1	76	65-127	
Styrene	ug/L	0.50 U	20	18.3	92	70-130	
Tetrachloroethene	ug/L	0.50 U	20	15.8	79	48-155	
Toluene	ug/L	0.50 U	20	17.1	86	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	15.8	79	68-126	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	16.3	81	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	13.1	66	46-138	
Trichloroethene	ug/L	0.50 U	20	16.8	84	69-129	
Trichlorofluoromethane	ug/L	0.50 U	20	22.1	111	60-144	
Vinyl acetate	ug/L	1.0 U	20	15.9	80	70-130	
Vinyl chloride	ug/L	0.50 U	20	19.2	96	67-136	
Xylene (Total)	ug/L	1.5 U	60	54.0	90	70-130	
1,2-Dichloroethane-d4 (S)	%				95	75-135	
4-Bromofluorobenzene (S)	%				101	89-111	
Toluene-d8 (S)	%				95	89-112	

SAMPLE DUPLICATE: 1764000

Parameter	Units	35273491003 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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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

SAMPLE DUPLICATE: 1764000

Parameter	Units	35273491003 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	1.5 U	1.5 U		40	
1,2-Dichloroethane-d4 (S)	%	93	94	1	40	
4-Bromofluorobenzene (S)	%	102	103	0	40	
Toluene-d8 (S)	%	96	96	1	40	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 330675 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35272736001

METHOD BLANK: 1767567 Matrix: Water
Associated Lab Samples: 35272736001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/07/16 16:35	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/07/16 16:35	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/07/16 16:35	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/07/16 16:35	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/07/16 16:35	
Acetone	ug/L	10.0 U	20.0	10.0	11/07/16 16:35	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/07/16 16:35	
Benzene	ug/L	0.10 U	1.0	0.10	11/07/16 16:35	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/07/16 16:35	
Bromoform	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
Bromomethane	ug/L	0.50 U	5.0	0.50	11/07/16 16:35	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/07/16 16:35	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
Chloroethane	ug/L	0.50 U	10.0	0.50	11/07/16 16:35	
Chloroform	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/07/16 16:35	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/07/16 16:35	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/07/16 16:35	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/07/16 16:35	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/07/16 16:35	
Styrene	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
Toluene	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/07/16 16:35	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/07/16 16:35	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

METHOD BLANK: 1767567 Matrix: Water
Associated Lab Samples: 35272736001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/07/16 16:35	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/07/16 16:35	
Xylene (Total)	ug/L	1.5 U	3.0	1.5	11/07/16 16:35	
1,2-Dichloroethane-d4 (S)	%	96	75-135		11/07/16 16:35	
4-Bromofluorobenzene (S)	%	94	89-111		11/07/16 16:35	
Toluene-d8 (S)	%	97	89-112		11/07/16 16:35	

LABORATORY CONTROL SAMPLE: 1767568

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	16.1	81	70-130	
1,1,1-Trichloroethane	ug/L	20	17.7	89	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.4	102	70-130	
1,1,2-Trichloroethane	ug/L	20	18.5	92	70-130	
1,1-Dichloroethane	ug/L	20	16.7	84	70-130	
1,1-Dichloroethene	ug/L	20	19.1	96	65-134	
1,2,3-Trichloropropane	ug/L	20	19.5	98	65-135	
1,2-Dichlorobenzene	ug/L	20	19.3	97	70-130	
1,2-Dichloroethane	ug/L	20	17.5	88	70-130	
1,2-Dichloropropane	ug/L	20	17.0	85	70-130	
1,4-Dichlorobenzene	ug/L	20	19.1	96	70-130	
2-Butanone (MEK)	ug/L	40	34.4	86	61-129	
2-Hexanone	ug/L	40	37.6	94	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	38.1	95	70-130	
Acetone	ug/L	40	42.4	106	44-155	
Acrylonitrile	ug/L	200	117	58	59-138	J(L0)
Benzene	ug/L	20	18.0	90	70-130	
Bromochloromethane	ug/L	20	18.1	90	70-130	
Bromodichloromethane	ug/L	20	17.4	87	70-130	
Bromoform	ug/L	20	12.6	63	62-129	
Bromomethane	ug/L	20	23.6	118	10-179	
Carbon disulfide	ug/L	20	19.0	95	40-156	
Carbon tetrachloride	ug/L	20	14.6	73	66-127	
Chlorobenzene	ug/L	20	17.7	88	70-130	
Chloroethane	ug/L	20	20.1	100	57-142	
Chloroform	ug/L	20	18.1	90	70-130	
Chloromethane	ug/L	20	18.6	93	45-150	
cis-1,2-Dichloroethene	ug/L	20	16.7	83	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.5	87	70-130	
Dibromochloromethane	ug/L	20	15.2	76	70-130	
Dibromomethane	ug/L	20	18.1	91	70-130	
Ethylbenzene	ug/L	20	18.5	92	70-130	
Iodomethane	ug/L	40	37.3	93	21-150	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

LABORATORY CONTROL SAMPLE: 1767568

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	17.3	86	65-127	
Styrene	ug/L	20	19.5	98	70-130	
Tetrachloroethene	ug/L	20	16.6	83	48-155	
Toluene	ug/L	20	18.0	90	70-130	
trans-1,2-Dichloroethene	ug/L	20	16.4	82	68-126	
trans-1,3-Dichloropropene	ug/L	20	18.0	90	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	20.8	104	46-138	
Trichloroethene	ug/L	20	17.6	88	69-129	
Trichlorofluoromethane	ug/L	20	22.5	113	60-144	
Vinyl acetate	ug/L	20	14.9	74	70-130	
Vinyl chloride	ug/L	20	19.8	99	67-136	
Xylene (Total)	ug/L	60	57.5	96	70-130	
1,2-Dichloroethane-d4 (S)	%			96	75-135	
4-Bromofluorobenzene (S)	%			95	89-111	
Toluene-d8 (S)	%			95	89-112	

MATRIX SPIKE SAMPLE: 1768705

Parameter	Units	35274431007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	16.4	82	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	19.5	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	21.9	109	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	19.1	95	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	18.7	94	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	22.5	113	65-134	
1,2,3-Trichloropropane	ug/L	0.59 U	20	21.9	109	65-135	
1,2-Dichlorobenzene	ug/L	0.50 U	20	19.7	99	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	19.0	95	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	18.1	90	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	40.1	100	61-129	
2-Hexanone	ug/L	5.0 U	40	38.2	96	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	39.6	99	70-130	
Acetone	ug/L	10.0 U	40	38.2	95	44-155	
Acrylonitrile	ug/L	5.0 U	200	115	57	59-138	J(M0)
Benzene	ug/L	0.10 U	20	19.8	99	70-130	
Bromochloromethane	ug/L	0.50 U	20	19.4	97	70-130	
Bromodichloromethane	ug/L	0.27 U	20	18.3	92	70-130	
Bromoform	ug/L	0.50 U	20	11.8	59	62-129	J(M1)
Bromomethane	ug/L	0.50 U	20	21.5	108	10-179	
Carbon disulfide	ug/L	5.0 U	20	22.2	111	40-156	
Carbon tetrachloride	ug/L	0.50 U	20	16.2	81	66-127	
Chlorobenzene	ug/L	0.50 U	20	18.8	94	70-130	
Chloroethane	ug/L	0.50 U	20	20.6	103	57-142	
Chloroform	ug/L	0.50 U	20	19.9	99	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

MATRIX SPIKE SAMPLE: 1768705

Parameter	Units	35274431007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	21.8	109	45-150	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	18.2	91	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	17.7	88	70-130	
Dibromochloromethane	ug/L	0.26 U	20	15.7	79	70-130	
Dibromomethane	ug/L	0.50 U	20	18.7	94	70-130	
Ethylbenzene	ug/L	0.50 U	20	19.6	98	70-130	
Iodomethane	ug/L	0.50 U	40	46.6	116	21-150	
Methylene Chloride	ug/L	2.5 U	20	16.8	84	65-127	
Styrene	ug/L	0.50 U	20	20.5	102	70-130	
Tetrachloroethene	ug/L	0.50 U	20	15.9	80	48-155	
Toluene	ug/L	0.50 U	20	19.2	96	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	18.2	91	68-126	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	17.2	86	70 130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	17.4	87	46-138	
Trichloroethene	ug/L	0.50 U	20	18.6	93	69-129	
Trichlorofluoromethane	ug/L	0.50 U	20	27.8	139	60-144	
Vinyl acetate	ug/L	1.0 U	20	15.2	76	70-130	
Vinyl chloride	ug/L	0.50 U	20	24.5	123	67-136	
Xylene (Total)	ug/L	1.5 U	60	60.1	100	70-130	
1,2-Dichloroethane-d4 (S)	%				98	75-135	
4-Bromofluorobenzene (S)	%				92	89-111	
Toluene-d8 (S)	%				95	89-112	

SAMPLE DUPLICATE: 1768704

Parameter	Units	35274431006 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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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

SAMPLE DUPLICATE: 1768704

Parameter	Units	35274431006 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	1.5 U	1.5 U		40	
1,2-Dichloroethane-d4 (S)	%	94	94	0	40	
4-Bromofluorobenzene (S)	%	92	92	0	40	
Toluene-d8 (S)	%	96	96	0	40	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 330676 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35272924001, 35272924002, 35272924003, 35272924004, 35272924005, 35272924006

METHOD BLANK: 1767573 Matrix: Water
Associated Lab Samples: 35272924001, 35272924002, 35272924003, 35272924004, 35272924005, 35272924006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/07/16 18:27	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/07/16 18:27	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/07/16 18:27	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/07/16 18:27	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/07/16 18:27	
Acetone	ug/L	10.0 U	20.0	10.0	11/07/16 18:27	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/07/16 18:27	
Benzene	ug/L	0.10 U	1.0	0.10	11/07/16 18:27	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/07/16 18:27	
Bromoform	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
Bromomethane	ug/L	0.50 U	5.0	0.50	11/07/16 18:27	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/07/16 18:27	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
Chloroethane	ug/L	0.50 U	10.0	0.50	11/07/16 18:27	
Chloroform	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/07/16 18:27	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/07/16 18:27	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/07/16 18:27	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/07/16 18:27	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/07/16 18:27	
Styrene	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
Toluene	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/07/16 18:27	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/07/16 18:27	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

METHOD BLANK: 1767573 Matrix: Water
Associated Lab Samples: 35272924001, 35272924002, 35272924003, 35272924004, 35272924005, 35272924006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/07/16 18:27	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/07/16 18:27	
Xylene (Total)	ug/L	1.5 U	3.0	1.5	11/07/16 18:27	
1,2-Dichloroethane-d4 (S)	%	107	75-135		11/07/16 18:27	
4-Bromofluorobenzene (S)	%	101	89-111		11/07/16 18:27	
Toluene-d8 (S)	%	104	89-112		11/07/16 18:27	

LABORATORY CONTROL SAMPLE: 1767574

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.2	96	70-130	
1,1,1-Trichloroethane	ug/L	20	21.2	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.6	98	70-130	
1,1,2-Trichloroethane	ug/L	20	19.6	98	70-130	
1,1-Dichloroethane	ug/L	20	21.0	105	70-130	
1,1-Dichloroethene	ug/L	20	17.8	89	65-134	
1,2,3-Trichloropropane	ug/L	20	24.0	120	65-135	
1,2-Dichlorobenzene	ug/L	20	20.0	100	70-130	
1,2-Dichloroethane	ug/L	20	20.7	104	70-130	
1,2-Dichloropropane	ug/L	20	20.5	103	70-130	
1,4-Dichlorobenzene	ug/L	20	19.8	99	70-130	
2-Butanone (MEK)	ug/L	40	33.2	83	61-129	
2-Hexanone	ug/L	40	41.5	104	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	37.0	92	70-130	
Acetone	ug/L	40	31.4	78	44-155	
Acrylonitrile	ug/L	200	137	68	59-138	
Benzene	ug/L	20	20.4	102	70-130	
Bromochloromethane	ug/L	20	20.7	103	70-130	
Bromodichloromethane	ug/L	20	20.1	101	70-130	
Bromoform	ug/L	20	17.5	88	62-129	
Bromomethane	ug/L	20	15.7	78	10-179	
Carbon disulfide	ug/L	20	17.7	88	40-156	
Carbon tetrachloride	ug/L	20	20.9	105	66-127	
Chlorobenzene	ug/L	20	19.6	98	70-130	
Chloroethane	ug/L	20	17.8	89	57-142	
Chloroform	ug/L	20	20.4	102	70-130	
Chloromethane	ug/L	20	17.4	87	45-150	
cis-1,2-Dichloroethene	ug/L	20	21.4	107	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.0	100	70-130	
Dibromochloromethane	ug/L	20	18.2	91	70-130	
Dibromomethane	ug/L	20	18.7	93	70-130	
Ethylbenzene	ug/L	20	19.7	98	70-130	
Iodomethane	ug/L	40	33.4	83	21-150	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

LABORATORY CONTROL SAMPLE: 1767574

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	19.6	98	65-127	
Styrene	ug/L	20	19.6	98	70-130	
Tetrachloroethene	ug/L	20	18.0	90	48-155	
Toluene	ug/L	20	19.6	98	70-130	
trans-1,2-Dichloroethene	ug/L	20	22.4	112	68-126	
trans-1,3-Dichloropropene	ug/L	20	19.1	96	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	18.7	93	46-138	
Trichloroethene	ug/L	20	20.4	102	69-129	
Trichlorofluoromethane	ug/L	20	18.5	92	60-144	
Vinyl acetate	ug/L	20	18.1	91	70-130	
Vinyl chloride	ug/L	20	19.6	98	67-136	
Xylene (Total)	ug/L	60	60.3	101	70-130	
1,2-Dichloroethane-d4 (S)	%			102	75-135	
4-Bromofluorobenzene (S)	%			97	89-111	
Toluene-d8 (S)	%			98	89-112	

MATRIX SPIKE SAMPLE: 1768709

Parameter	Units	35272924002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	17.0	85	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	18.0	90	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	15.1	76	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	16.6	83	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	18.2	91	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	18.4	92	65-134	
1,2,3-Trichloropropane	ug/L	0.59 U	20	15.8	79	65-135	
1,2-Dichlorobenzene	ug/L	0.50 U	20	16.5	83	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	16.7	84	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	16.6	83	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	17.0	85	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	24.9	62	61-129	
2-Hexanone	ug/L	5.0 U	40	27.0	68	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	29.9	75	70-130	
Acetone	ug/L	10.0 U	40	25.5	64	44-155	
Acrylonitrile	ug/L	5.0 U	200	117	58	59-138	J(M1)
Benzene	ug/L	0.10 U	20	17.2	86	70-130	
Bromochloromethane	ug/L	0.50 U	20	17.6	88	70-130	
Bromodichloromethane	ug/L	0.27 U	20	16.9	84	70-130	
Bromoform	ug/L	0.50 U	20	15.0	75	62-129	
Bromomethane	ug/L	0.50 U	20	15.2	76	10-179	
Carbon disulfide	ug/L	5.0 U	20	20.3	101	40-156	
Carbon tetrachloride	ug/L	0.50 U	20	18.8	94	66-127	
Chlorobenzene	ug/L	0.50 U	20	17.5	88	70-130	
Chloroethane	ug/L	0.50 U	20	22.3	112	57-142	
Chloroform	ug/L	0.50 U	20	17.2	86	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

MATRIX SPIKE SAMPLE: 1768709

Parameter	Units	35272924002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	17.3	86	45-150	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	17.1	86	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	15.6	78	70-130	
Dibromochloromethane	ug/L	0.26 U	20	15.2	76	70-130	
Dibromomethane	ug/L	0.50 U	20	16.0	80	70-130	
Ethylbenzene	ug/L	0.50 U	20	17.6	88	70-130	
Iodomethane	ug/L	0.50 U	40	30.3	76	21-150	
Methylene Chloride	ug/L	2.5 U	20	15.9	80	65-127	
Styrene	ug/L	0.50 U	20	17.1	85	70-130	
Tetrachloroethene	ug/L	0.50 U	20	15.0	75	48-155	
Toluene	ug/L	0.50 U	20	17.1	86	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	19.0	95	68-126	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	15.1	76	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	12.4	62	46-138	
Trichloroethene	ug/L	0.50 U	20	19.1	96	69-129	
Trichlorofluoromethane	ug/L	0.50 U	20	21.6	108	60-144	
Vinyl acetate	ug/L	1.0 U	20	16.7	83	70-130	
Vinyl chloride	ug/L	0.50 U	20	21.2	106	67-136	
Xylene (Total)	ug/L	1.5 U	60	51.6	86	70-130	
1,2-Dichloroethane-d4 (S)	%				94	75-135	
4-Bromofluorobenzene (S)	%				102	89-111	
Toluene-d8 (S)	%				99	89-112	

SAMPLE DUPLICATE: 1768708

Parameter	Units	35272924001 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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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

SAMPLE DUPLICATE: 1768708

Parameter	Units	35272924001 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	1.5 U	1.5 U		40	
1,2-Dichloroethane-d4 (S)	%	104	102	2	40	
4-Bromofluorobenzene (S)	%	100	100	1	40	
Toluene-d8 (S)	%	104	106	2	40	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 331206 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35273562001, 35273563001, 35273563002, 35273565001, 35273565002, 35273565003

METHOD BLANK: 1771181 Matrix: Water
Associated Lab Samples: 35273562001, 35273563001, 35273563002, 35273565001, 35273565002, 35273565003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/10/16 03:04	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/10/16 03:04	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/10/16 03:04	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/10/16 03:04	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/10/16 03:04	
Acetone	ug/L	10.0 U	20.0	10.0	11/10/16 03:04	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/10/16 03:04	
Benzene	ug/L	0.10 U	1.0	0.10	11/10/16 03:04	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/10/16 03:04	
Bromoform	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
Bromomethane	ug/L	0.50 U	5.0	0.50	11/10/16 03:04	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/10/16 03:04	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
Chloroethane	ug/L	0.50 U	10.0	0.50	11/10/16 03:04	
Chloroform	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/10/16 03:04	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/10/16 03:04	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/10/16 03:04	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/10/16 03:04	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/10/16 03:04	
Styrene	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
Toluene	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/10/16 03:04	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/10/16 03:04	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

METHOD BLANK: 1771181 Matrix: Water
Associated Lab Samples: 35273562001, 35273563001, 35273563002, 35273565001, 35273565002, 35273565003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/10/16 03:04	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/10/16 03:04	
Xylene (Total)	ug/L	1.5 U	3.0	1.5	11/10/16 03:04	
1,2-Dichloroethane-d4 (S)	%	100	75-135		11/10/16 03:04	
4-Bromofluorobenzene (S)	%	96	89-111		11/10/16 03:04	
Toluene-d8 (S)	%	100	89-112		11/10/16 03:04	

LABORATORY CONTROL SAMPLE: 1771182

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	19.3	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.6	108	70-130	
1,1,2-Trichloroethane	ug/L	20	21.7	108	70-130	
1,1-Dichloroethane	ug/L	20	19.4	97	70-130	
1,1-Dichloroethene	ug/L	20	19.3	96	65-134	
1,2,3-Trichloropropane	ug/L	20	20.9	105	65-135	
1,2-Dichlorobenzene	ug/L	20	24.9	124	70-130	
1,2-Dichloroethane	ug/L	20	19.6	98	70-130	
1,2-Dichloropropane	ug/L	20	18.5	93	70-130	
1,4-Dichlorobenzene	ug/L	20	23.7	119	70-130	
2-Butanone (MEK)	ug/L	40	32.6	81	61-129	
2-Hexanone	ug/L	40	36.5	91	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	38.0	95	70-130	
Acetone	ug/L	40	36.1	90	44-155	
Acrylonitrile	ug/L	200	176	88	59-138	
Benzene	ug/L	20	18.9	95	70-130	
Bromochloromethane	ug/L	20	20.4	102	70-130	
Bromodichloromethane	ug/L	20	20.9	104	70-130	
Bromoform	ug/L	20	21.3	106	62-129	
Bromomethane	ug/L	20	17.3	87	10-179	
Carbon disulfide	ug/L	20	18.7	93	40-156	
Carbon tetrachloride	ug/L	20	19.7	98	66-127	
Chlorobenzene	ug/L	20	22.1	111	70-130	
Chloroethane	ug/L	20	21.3	107	57-142	
Chloroform	ug/L	20	19.5	97	70-130	
Chloromethane	ug/L	20	22.0	110	45-150	
cis-1,2-Dichloroethene	ug/L	20	20.0	100	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.7	104	70-130	
Dibromochloromethane	ug/L	20	21.9	110	70-130	
Dibromomethane	ug/L	20	19.9	99	70-130	
Ethylbenzene	ug/L	20	20.9	105	70-130	
Iodomethane	ug/L	40	47.9	120	21-150	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

LABORATORY CONTROL SAMPLE: 1771182

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	17.6	88	65-127	
Styrene	ug/L	20	23.2	116	70-130	
Tetrachloroethene	ug/L	20	17.2	86	48-155	
Toluene	ug/L	20	20.6	103	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.6	98	68-126	
trans-1,3-Dichloropropene	ug/L	20	21.9	110	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	21.9	109	46-138	
Trichloroethene	ug/L	20	19.2	96	69-129	
Trichlorofluoromethane	ug/L	20	20.6	103	60-144	
Vinyl acetate	ug/L	20	20.5	103	70-130	
Vinyl chloride	ug/L	20	21.7	109	67-136	
Xylene (Total)	ug/L	60	63.3	105	70-130	
1,2-Dichloroethane-d4 (S)	%			99	75-135	
4-Bromofluorobenzene (S)	%			101	89-111	
Toluene-d8 (S)	%			99	89-112	

MATRIX SPIKE SAMPLE: 1773195

Parameter	Units	35274323003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	18.9	95	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	20.9	105	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	19.8	99	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	19.5	98	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	21.8	109	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	21.3	106	65-134	
1,2,3-Trichloropropane	ug/L	0.59 U	20	20.0	100	65-135	
1,2-Dichlorobenzene	ug/L	0.50 U	20	20.1	101	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	19.8	99	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	20.1	101	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	20.3	102	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	36.3	91	61-129	
2-Hexanone	ug/L	5.0 U	40	36.0	90	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	36.1	90	70-130	
Acetone	ug/L	10.0 U	40	42.8	107	44-155	
Acrylonitrile	ug/L	5.0 U	200	173	86	59-138	
Benzene	ug/L	0.10 U	20	20.5	103	70-130	
Bromochloromethane	ug/L	0.50 U	20	20.0	100	70-130	
Bromodichloromethane	ug/L	0.27 U	20	19.8	99	70-130	
Bromoform	ug/L	0.50 U	20	18.1	91	62-129	
Bromomethane	ug/L	0.50 U	20	14.9	74	10-179	
Carbon disulfide	ug/L	5.0 U	20	22.5	112	40-156	
Carbon tetrachloride	ug/L	0.50 U	20	20.5	102	66-127	
Chlorobenzene	ug/L	0.50 U	20	19.9	100	70-130	
Chloroethane	ug/L	0.50 U	20	22.5	112	57-142	
Chloroform	ug/L	0.50 U	20	19.9	100	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

MATRIX SPIKE SAMPLE: 1773195

Parameter	Units	35274323003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	22.1	110	45-150	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	20.9	105	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	17.7	88	70-130	
Dibromochloromethane	ug/L	0.26 U	20	18.9	94	70-130	
Dibromomethane	ug/L	0.50 U	20	19.0	95	70-130	
Ethylbenzene	ug/L	0.50 U	20	19.9	100	70-130	
Iodomethane	ug/L	0.50 U	40	47.2	118	21-150	
Methylene Chloride	ug/L	2.5 U	20	19.5	98	65-127	
Styrene	ug/L	0.50 U	20	19.6	98	70-130	
Tetrachloroethene	ug/L	0.50 U	20	16.8	84	48-155	
Toluene	ug/L	0.50 U	20	20.6	103	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	21.7	108	68-126	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	18.2	91	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	14.5	72	46-138	
Trichloroethene	ug/L	0.50 U	20	20.5	102	69-129	
Trichlorofluoromethane	ug/L	0.50 U	20	21.1	105	60-144	
Vinyl acetate	ug/L	1.0 U	20	14.2	71	70-130	
Vinyl chloride	ug/L	0.50 U	20	21.9	110	67-136	
Xylene (Total)	ug/L	1.5 U	60	59.4	99	70-130	
1,2-Dichloroethane-d4 (S)	%				99	75-135	
4-Bromofluorobenzene (S)	%				96	89-111	
Toluene-d8 (S)	%				97	89-112	

SAMPLE DUPLICATE: 1773194

Parameter	Units	35274323002 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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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

SAMPLE DUPLICATE: 1773194

Parameter	Units	35274323002 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	1.5 U	1.5 U		40	
1,2-Dichloroethane-d4 (S)	%	100	99	0	40	
4-Bromofluorobenzene (S)	%	97	96	1	40	
Toluene-d8 (S)	%	99	100	2	40	

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 331796 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35274180001, 35274180002, 35274180003, 35274180004, 35274180005

METHOD BLANK: 1774724 Matrix: Water
Associated Lab Samples: 35274180001, 35274180002, 35274180003, 35274180004, 35274180005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/12/16 10:52	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/12/16 10:52	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/12/16 10:52	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/12/16 10:52	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/12/16 10:52	
Acetone	ug/L	10.0 U	20.0	10.0	11/12/16 10:52	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/12/16 10:52	
Benzene	ug/L	0.10 U	1.0	0.10	11/12/16 10:52	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/12/16 10:52	
Bromoform	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
Bromomethane	ug/L	0.50 U	5.0	0.50	11/12/16 10:52	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/12/16 10:52	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
Chloroethane	ug/L	0.50 U	10.0	0.50	11/12/16 10:52	
Chloroform	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/12/16 10:52	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/12/16 10:52	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/12/16 10:52	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/12/16 10:52	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/12/16 10:52	
Styrene	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
Toluene	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/12/16 10:52	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/12/16 10:52	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

METHOD BLANK: 1774724 Matrix: Water
Associated Lab Samples: 35274180001, 35274180002, 35274180003, 35274180004, 35274180005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/12/16 10:52	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/12/16 10:52	
Xylene (Total)	ug/L	1.5 U	3.0	1.5	11/12/16 10:52	
1,2-Dichloroethane-d4 (S)	%	101	75-135		11/12/16 10:52	
4-Bromofluorobenzene (S)	%	93	89-111		11/12/16 10:52	
Toluene-d8 (S)	%	98	89-112		11/12/16 10:52	

LABORATORY CONTROL SAMPLE: 1774725

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.9	95	70-130	
1,1,1-Trichloroethane	ug/L	20	17.6	88	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.3	111	70-130	
1,1,2-Trichloroethane	ug/L	20	20.6	103	70-130	
1,1-Dichloroethane	ug/L	20	17.9	90	70-130	
1,1-Dichloroethene	ug/L	20	18.0	90	65-134	
1,2,3-Trichloropropane	ug/L	20	21.8	109	65-135	
1,2-Dichlorobenzene	ug/L	20	22.9	115	70-130	
1,2-Dichloroethane	ug/L	20	18.8	94	70-130	
1,2-Dichloropropane	ug/L	20	18.4	92	70-130	
1,4-Dichlorobenzene	ug/L	20	21.8	109	70-130	
2-Butanone (MEK)	ug/L	40	40.7	102	61-129	
2-Hexanone	ug/L	40	43.0	107	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	41.8	104	70-130	
Acetone	ug/L	40	50.4	126	44-155	
Acrylonitrile	ug/L	200	190	95	59-138	
Benzene	ug/L	20	17.8	89	70-130	
Bromochloromethane	ug/L	20	17.8	89	70-130	
Bromodichloromethane	ug/L	20	19.6	98	70-130	
Bromoform	ug/L	20	17.6	88	62-129	
Bromomethane	ug/L	20	18.1	90	10-179	
Carbon disulfide	ug/L	20	17.6	88	40-156	
Carbon tetrachloride	ug/L	20	17.4	87	66-127	
Chlorobenzene	ug/L	20	20.4	102	70-130	
Chloroethane	ug/L	20	17.8	89	57-142	
Chloroform	ug/L	20	18.2	91	70-130	
Chloromethane	ug/L	20	20.9	105	45-150	
cis-1,2-Dichloroethene	ug/L	20	18.3	92	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.1	95	70-130	
Dibromochloromethane	ug/L	20	19.4	97	70-130	
Dibromomethane	ug/L	20	18.3	92	70-130	
Ethylbenzene	ug/L	20	19.9	99	70-130	
Iodomethane	ug/L	40	31.6	79	21-150	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

LABORATORY CONTROL SAMPLE: 1774725

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	18.2	91	65-127	
Styrene	ug/L	20	21.8	109	70-130	
Tetrachloroethene	ug/L	20	16.2	81	48-155	
Toluene	ug/L	20	18.8	94	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.9	90	68-126	
trans-1,3-Dichloropropene	ug/L	20	19.5	97	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	17.0	85	46-138	
Trichloroethene	ug/L	20	17.7	88	69-129	
Trichlorofluoromethane	ug/L	20	20.9	104	60-144	
Vinyl acetate	ug/L	20	19.6	98	70-130	
Vinyl chloride	ug/L	20	21.1	105	67-136	
Xylene (Total)	ug/L	60	59.0	98	70-130	
1,2-Dichloroethane-d4 (S)	%			101	75-135	
4-Bromofluorobenzene (S)	%			95	89-111	
Toluene-d8 (S)	%			98	89-112	

MATRIX SPIKE SAMPLE: 1779010

Parameter	Units	35274180002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	10.3	51	70-130	J(M1)
1,1,1-Trichloroethane	ug/L	0.50 U	20	10.6	53	70-130	J(M1)
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	14.1	70	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	11.5	57	70-130	J(M1)
1,1-Dichloroethane	ug/L	0.50 U	20	10.6	53	70-130	J(M1)
1,1-Dichloroethene	ug/L	0.50 U	20	11.5	58	65-134	J(M1)
1,2,3-Trichloropropane	ug/L	0.59 U	20	12.6	63	65-135	J(M1)
1,2-Dichlorobenzene	ug/L	0.50 U	20	13.2	66	70-130	J(M1)
1,2-Dichloroethane	ug/L	0.50 U	20	10.8	54	70-130	J(M1)
1,2-Dichloropropane	ug/L	0.50 U	20	10.4	52	70-130	J(M1)
1,4-Dichlorobenzene	ug/L	0.50 U	20	13.2	66	70-130	J(M1)
2-Butanone (MEK)	ug/L	5.0 U	40	23.4	58	61-129	J(M1)
2-Hexanone	ug/L	5.0 U	40	23.0	57	68-131	J(M1)
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	22.7	57	70-130	J(M1)
Acetone	ug/L	10.0 U	40	31.2	61	44-155	
Acrylonitrile	ug/L	5.0 U	200	133	67	59-138	
Benzene	ug/L	0.10 U	20	10.7	54	70-130	J(M1)
Bromochloromethane	ug/L	0.50 U	20	10.5	52	70-130	J(M1)
Bromodichloromethane	ug/L	0.27 U	20	10.7	54	70-130	J(M1)
Bromoform	ug/L	0.50 U	20	11.5	58	62-129	J(M1)
Bromomethane	ug/L	0.50 U	20	8.6	43	10-179	
Carbon disulfide	ug/L	5.0 U	20	12.6	62	40-156	
Carbon tetrachloride	ug/L	0.50 U	20	9.9	50	66-127	J(M1)
Chlorobenzene	ug/L	0.50 U	20	11.8	59	70-130	J(M1)
Chloroethane	ug/L	0.50 U	20	11.3	56	57-142	J(M1)
Chloroform	ug/L	0.50 U	20	10.8	54	70-130	J(M1)

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

MATRIX SPIKE SAMPLE: 1779010

Parameter	Units	35274180002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	7.5	38	45-150	J(M1)
cis-1,2-Dichloroethene	ug/L	0.50 U	20	11.0	55	70-130	J(M1)
cis-1,3-Dichloropropene	ug/L	0.25 U	20	9.8	49	70-130	J(M1)
Dibromochloromethane	ug/L	0.26 U	20	10.5	53	70-130	J(M1)
Dibromomethane	ug/L	0.50 U	20	10.4	52	70-130	J(M1)
Ethylbenzene	ug/L	0.50 U	20	11.1	56	70-130	J(M1)
Iodomethane	ug/L	0.50 U	40	21.9	55	21-150	
Methylene Chloride	ug/L	2.5 U	20	10.2	51	65-127	J(M1)
Styrene	ug/L	0.50 U	20	11.4	57	70-130	J(M1)
Tetrachloroethene	ug/L	0.50 U	20	8.4	42	48-155	J(M1)
Toluene	ug/L	0.50 U	20	11.3	57	70-130	J(M1)
trans-1,2-Dichloroethene	ug/L	0.50 U	20	11.2	56	68-126	J(M1)
trans-1,3-Dichloropropene	ug/L	0.25 U	20	10.2	51	70-130	J(M1)
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	8.3 I	41	46-138	J(M1)
Trichloroethene	ug/L	0.50 U	20	10.5	53	69-129	J(M1)
Trichlorofluoromethane	ug/L	0.50 U	20	13.7	68	60-144	
Vinyl acetate	ug/L	1.0 U	20	10.7	53	70-130	J(M1)
Vinyl chloride	ug/L	0.50 U	20	7.4	37	67-136	J(M1)
Xylene (Total)	ug/L	1.5 U	60	32.9	55	70-130	MS
1,2-Dichloroethane-d4 (S)	%				100	75-135	
4-Bromofluorobenzene (S)	%				88	89-111	J(S0)
Toluene-d8 (S)	%				97	89-112	

SAMPLE DUPLICATE: 1779009

Parameter	Units	35274180001 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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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

SAMPLE DUPLICATE: 1779009

Parameter	Units	35274180001 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	1.5 U	1.5 U		40	
1,2-Dichloroethane-d4 (S)	%	101	101	0	40	
4-Bromofluorobenzene (S)	%	90	91	2	40	
Toluene-d8 (S)	%	99	99	0	40	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 328666 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35272484001, 35272484002, 35272736001

METHOD BLANK: 1754582 Matrix: Water
Associated Lab Samples: 35272484001, 35272484002, 35272736001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	10/28/16 15:25	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	10/28/16 15:25	

LABORATORY CONTROL SAMPLE: 1754583

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.41	162	60-140	J(L0)
1,2-Dibromoethane (EDB)	ug/L	.25	0.39	154	60-140	J(L0)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1755438 1755439

Parameter	Units	35272484001 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	0.0047 U	.44	.44	0.55	0.70	126	160	60-140	24	40	J(M0)
1,2-Dibromoethane (EDB)	ug/L	0.0072 U	.44	.44	0.56	0.69	128	157	60-140	21	40	J(M0)

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
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(386)672-5668

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329653 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35273562001, 35273563001

METHOD BLANK: 1760954 Matrix: Water
Associated Lab Samples: 35273562001, 35273563001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	11/03/16 09:05	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	11/03/16 09:05	

LABORATORY CONTROL SAMPLE: 1760955

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.42	167	60-140	J(L0)
1,2-Dibromoethane (EDB)	ug/L	.25	0.41	164	60-140	J(L0)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1761971 1761972

Parameter	Units	35273897002 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	0.0048 U	.44	.44	0.39	0.42	88	96	60-140	8	40	
1,2-Dibromoethane (EDB)	ug/L	0.0073 U	.44	.44	0.43	0.48	98	110	60-140	12	40	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329987
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35273565001, 35273565002

METHOD BLANK: 1762748 Matrix: Water
Associated Lab Samples: 35273565001, 35273565002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	11/04/16 09:15	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	11/04/16 09:15	

LABORATORY CONTROL SAMPLE: 1762749

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.34	136	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.31	126	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1762854 1762855

Parameter	Units	35273565002 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	0.42	0.63	96	145	60-140	41	40	J(M1), J(R1)
1,2-Dibromoethane (EDB)	ug/L	0.0081 U	.44	.44	0.40	0.55	91	126	60-140	33	40	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329988 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35272924001, 35272924002, 35272924003, 35272924004, 35272924005, 35274180001, 35274180002, 35274180003, 35274180004

METHOD BLANK: 1762750 Matrix: Water
Associated Lab Samples: 35272924001, 35272924002, 35272924003, 35272924004, 35272924005, 35274180001, 35274180002, 35274180003, 35274180004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	11/04/16 15:34	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	11/04/16 15:34	

LABORATORY CONTROL SAMPLE: 1762751

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1762965 1762966

Parameter	Units	35274180004 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	0.64	0.40	145	92	60-140	45	40	J(M1), J(R1)
1,2-Dibromoethane (EDB)	ug/L	0.0078 U	.44	.44	0.60	0.40	136	91	60-140	40	40	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 328543 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35272484001, 35272484002

METHOD BLANK: 1754034 Matrix: Water
Associated Lab Samples: 35272484001, 35272484002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	10/27/16 15:32	

LABORATORY CONTROL SAMPLE: 1754035

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	281	94	90-110	

SAMPLE DUPLICATE: 1754036

Parameter	Units	35272461003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	118	112	5	5	

SAMPLE DUPLICATE: 1754037

Parameter	Units	35272654006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	217	226	4	5	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 328737 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35272736001, 35272737001, 35272737002, 35272737003, 35272737004, 35272737005

METHOD BLANK: 1755337 Matrix: Water
Associated Lab Samples: 35272736001, 35272737001, 35272737002, 35272737003, 35272737004, 35272737005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	10/29/16 14:54	

LABORATORY CONTROL SAMPLE: 1755338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	288	96	90-110	

SAMPLE DUPLICATE: 1755339

Parameter	Units	35272725004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	9.0	10.0	11	5	J(D6)

SAMPLE DUPLICATE: 1755340

Parameter	Units	35272547003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	366	367	0	5	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 328757
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35272737006

METHOD BLANK: 1755452 Matrix: Water
Associated Lab Samples: 35272737006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	10/28/16 12:27	

LABORATORY CONTROL SAMPLE: 1755453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	295	98	90-110	

SAMPLE DUPLICATE: 1755454

Parameter	Units	35272737006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0 U		5	

SAMPLE DUPLICATE: 1755455

Parameter	Units	35272799004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	23.0	27.0	16	5	J(D6)

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329283 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35272924001, 35272924002, 35272924003

METHOD BLANK: 1758872 Matrix: Water
Associated Lab Samples: 35272924001, 35272924002, 35272924003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/01/16 10:44	

LABORATORY CONTROL SAMPLE: 1758873

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	298	99	90-110	

SAMPLE DUPLICATE: 1758874

Parameter	Units	35272946002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	126	133	5	5	

SAMPLE DUPLICATE: 1758875

Parameter	Units	35272915004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	88.0	80.0	10	5	J(D6)

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329342 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35272924004, 35272924005

METHOD BLANK: 1759070 Matrix: Water
Associated Lab Samples: 35272924004, 35272924005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/01/16 16:07	

LABORATORY CONTROL SAMPLE: 1759071

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	282	94	90-110	

SAMPLE DUPLICATE: 1759072

Parameter	Units	35272924004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	7.0	5.0 U		5	

SAMPLE DUPLICATE: 1759073

Parameter	Units	35273037003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	89.0	106	17	5	J(D6)

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329839 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

METHOD BLANK: 1762262 Matrix: Water
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/03/16 10:38	

LABORATORY CONTROL SAMPLE: 1762263

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	320	107	90-110	

SAMPLE DUPLICATE: 1762264

Parameter	Units	35273488001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	688	676	2	5	

SAMPLE DUPLICATE: 1762265

Parameter	Units	35273661002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	33.0	30.0	10	5	J(D6)

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 330235 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35274180001, 35274180002, 35274180003, 35274180004

METHOD BLANK: 1764600 Matrix: Water
Associated Lab Samples: 35274180001, 35274180002, 35274180003, 35274180004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/04/16 15:38	

LABORATORY CONTROL SAMPLE: 1764601

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	296	99	90-110	

SAMPLE DUPLICATE: 1764602

Parameter	Units	35274170003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	75.0	83.0	10	5	J(D6)

SAMPLE DUPLICATE: 1764603

Parameter	Units	35274180001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1290	1290	0	5	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329575 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

METHOD BLANK: 1760633 Matrix: Water
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Suspended Solids	mg/L	5.0 U	5.0	5.0	11/02/16 15:05	

LABORATORY CONTROL SAMPLE: 1760634

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	96.0	96	90-110	

SAMPLE DUPLICATE: 1760635

Parameter	Units	35273763002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	198	206	4	5	

SAMPLE DUPLICATE: 1760636

Parameter	Units	35273589002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	112	110	2	5	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329307 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

METHOD BLANK: 1758926 Matrix: Water
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
BOD, 5 day	mg/L	2.0 U	2.0	2.0	11/06/16 16:47	

LABORATORY CONTROL SAMPLE: 1758927

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	193	97	85-115	

SAMPLE DUPLICATE: 1758928

Parameter	Units	35273516001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	2.0 U	2.0 U		20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329255 Analysis Method: SM10200
QC Batch Method: SM10200 Analysis Description: Chlorophyll & Pheophytin
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

METHOD BLANK: 1758743 Matrix: Water
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chlorophyll a	ug/L	2.2 U	5.0	2.2	11/07/16 14:21	

LABORATORY CONTROL SAMPLE: 1758744

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorophyll a	ug/L	10	9.5	95	85-115	

SAMPLE DUPLICATE: 1758745

Parameter	Units	35273484001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chlorophyll a	ug/L	18.4 mg/m3	15.5	18	40	

SAMPLE DUPLICATE: 1758746

Parameter	Units	35273565002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chlorophyll a	ug/L	55.0	55.8	1	40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 328656
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35272484001, 35272484002

METHOD BLANK: 1754541 Matrix: Water
Associated Lab Samples: 35272484001, 35272484002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	10/27/16 12:09	
Sulfate	mg/L	2.5 U	5.0	2.5	10/27/16 12:09	

LABORATORY CONTROL SAMPLE: 1754542

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.2	100	90-110	
Sulfate	mg/L	50	50.6	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1754543 1754544

Parameter	Units	35272498005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.5 U	50	50	50.5	51.5	99	101	90-110	2	20	
Sulfate	mg/L	2.5 U	50	50	49.3	50.4	96	98	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1754545 1754546

Parameter	Units	35272680001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	38.1	50	50	89.0	90.0	102	104	90-110	1	20	
Sulfate	mg/L	18.0	50	50	68.2	69.1	100	102	90-110	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329043 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35272924001, 35272924002, 35272924003, 35272924004, 35272924005

METHOD BLANK: 1757693 Matrix: Water
Associated Lab Samples: 35272924001, 35272924002, 35272924003, 35272924004, 35272924005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	10/31/16 05:57	
Sulfate	mg/L	2.5 U	5.0	2.5	10/31/16 05:57	

LABORATORY CONTROL SAMPLE: 1757694

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.0	94	90-110	
Sulfate	mg/L	50	46.4	93	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1757695 1757696

Parameter	Units	35272546001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	155	100	100	256	252	102	98	90-110	2	20	L
Sulfate	mg/L	71.7	50	50	126	126	109	108	90-110	0	20	L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1757697 1757698

Parameter	Units	35272965001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	68.8	50	50	120	119	103	100	90-110	1	20	L
Sulfate	mg/L	2.5 U	50	50	46.2	44.6	89	85	90-110	4	20	J(M1)

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329593
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35272736001

METHOD BLANK: 1760714
Matrix: Water
Associated Lab Samples: 35272736001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	11/02/16 09:04	
Sulfate	mg/L	2.5 U	5.0	2.5	11/02/16 09:04	

LABORATORY CONTROL SAMPLE: 1760715

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.4	97	90-110	
Sulfate	mg/L	50	47.8	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1760716 1760717

Parameter	Units	35273520001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.5 U	50	50	48.5	48.1	92	91	90-110	1	20	
Sulfate	mg/L	4.8 I	50	50	51.3	50.8	93	92	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1760718 1760719

Parameter	Units	35273780004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	11.1	50	50	60.2	57.8	98	94	90-110	4	20	
Sulfate	mg/L	2.5 U	50	50	47.9	45.5	91	86	90-110	5	20	J(M1)

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 330554 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35274180001, 35274180002, 35274180003, 35274180004

METHOD BLANK: 1767011 Matrix: Water
Associated Lab Samples: 35274180001, 35274180002, 35274180003, 35274180004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	11/07/16 18:03	
Sulfate	mg/L	2.5 U	5.0	2.5	11/07/16 18:03	

LABORATORY CONTROL SAMPLE: 1767012

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.9	98	90-110	
Sulfate	mg/L	50	48.2	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1767013 1767014

Parameter	Units	35274378001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	80.4	50	50	134	134	108	107	90-110	0	20	L
Sulfate	mg/L	80.3	50	50	137	137	113	113	90-110	0	20	J(M1) L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1767015 1767016

Parameter	Units	35275025001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	14.2	50	50	62.1	64.2	96	100	90-110	3	20	
Sulfate	mg/L	96.5	50	50	151	153	109	113	90-110	2	20	J(M1)

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 330121 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35272484001, 35272484002, 35272736001, 35272737001, 35272737002, 35272737003, 35272737004, 35272737005, 35272737006, 35272924001, 35272924002, 35272924003, 35272924004

METHOD BLANK: 1763850 Matrix: Water
Associated Lab Samples: 35272484001, 35272484002, 35272736001, 35272737001, 35272737002, 35272737003, 35272737004, 35272737005, 35272737006, 35272924001, 35272924002, 35272924003, 35272924004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	0.020	11/05/16 08:51	

LABORATORY CONTROL SAMPLE: 1763851

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	107	90-110	

MATRIX SPIKE SAMPLE: 1763853

Parameter	Units	35272484001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1.7	1	2.6	98	90-110	

SAMPLE DUPLICATE: 1763852

Parameter	Units	35272484001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	1.7	1.7	0	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 331146 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35272924005

METHOD BLANK: 1770572 Matrix: Water
Associated Lab Samples: 35272924005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	0.020	11/09/16 13:04	

LABORATORY CONTROL SAMPLE: 1770573

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	108	90-110	

MATRIX SPIKE SAMPLE: 1770575

Parameter	Units	35274936002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.032 I	1	0.038 I	1	90-110	J(M1)

SAMPLE DUPLICATE: 1770574

Parameter	Units	35274936002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.032 I	0.025 I		20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 331350 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

METHOD BLANK: 1772001 Matrix: Water
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	0.020	11/10/16 10:11	

LABORATORY CONTROL SAMPLE: 1772002

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 1772004

Parameter	Units	35274948001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.36	1	1.3	93	90-110	

SAMPLE DUPLICATE: 1772003

Parameter	Units	35274948001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.36	0.36	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 332115 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35274180001, 35274180002, 35274180003, 35274180004

METHOD BLANK: 1777122 Matrix: Water
Associated Lab Samples: 35274180001, 35274180002, 35274180003, 35274180004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	0.020	11/14/16 12:02	

LABORATORY CONTROL SAMPLE: 1777123

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/l	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 1777125

Parameter	Units	35274143001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.40	1	1.5	106	90-110	

SAMPLE DUPLICATE: 1777124

Parameter	Units	35274143001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.40	0.40	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 331141 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

METHOD BLANK: 1770550 Matrix: Water
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.086 U	0.50	0.086	11/10/16 10:49	

LABORATORY CONTROL SAMPLE: 1770551

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: 1770553

Parameter	Units	35273552003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	943	40	970	67	90-110	M6

SAMPLE DUPLICATE: 1770552

Parameter	Units	35273552003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	943	1040	9	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 328314 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35272484001, 35272484002

METHOD BLANK: 1752729 Matrix: Water
Associated Lab Samples: 35272484001, 35272484002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.010 U	0.040	0.010	10/26/16 11:57	

SAMPLE DUPLICATE: 1752731

Parameter	Units	35272460003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.010 U		20	

SAMPLE DUPLICATE: 1752733

Parameter	Units	35272483006 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	3.6	3.6	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 328480
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35272736001

METHOD BLANK: 1753895
Matrix: Water
Associated Lab Samples: 35272736001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.010 U	0.040	0.010	10/27/16 08:33	

SAMPLE DUPLICATE: 1753897

Parameter	Units	35272717003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	4.8	4.9	1	20	

SAMPLE DUPLICATE: 1753899

Parameter	Units	35272726004 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.010 U	0.010 U		20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 328785 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35272924001, 35272924002, 35272924003, 35272924004, 35272924005

METHOD BLANK: 1755511 Matrix: Water
Associated Lab Samples: 35272924001, 35272924002, 35272924003, 35272924004, 35272924005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.010 U	0.040	0.010	10/28/16 11:11	

SAMPLE DUPLICATE: 1755513

Parameter	Units	35272915007 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.010 U		20	

SAMPLE DUPLICATE: 1755515

Parameter	Units	35272946002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	1.2	1.2	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329417 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

METHOD BLANK: 1759494 Matrix: Water
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.010 U	0.040	0.010	11/01/16 16:43	
Nitrogen, NO2 plus NO3	mg/L	0.025 U	0.050	0.025	11/01/16 16:43	

LABORATORY CONTROL SAMPLE: 1759495

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.1	104	90-110	

MATRIX SPIKE SAMPLE: 1759497

Parameter	Units	35273531001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.54	2	2.4	95	90-110	

MATRIX SPIKE SAMPLE: 1759499

Parameter	Units	35273593001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	5.9	4	9.6	93	90-110	

SAMPLE DUPLICATE: 1759496

Parameter	Units	35273531001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.54	0.53	0	20	
Nitrogen, NO2 plus NO3	mg/L	0.54	0.53	0	20	

SAMPLE DUPLICATE: 1759498

Parameter	Units	35273593001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	5.9	5.9	0	20	
Nitrogen, NO2 plus NO3	mg/L	5.9	5.9	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329922 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35274180001, 35274180002, 35274180003, 35274180004

METHOD BLANK: 1762453 Matrix: Water
Associated Lab Samples: 35274180001, 35274180002, 35274180003, 35274180004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.010 U	0.040	0.010	11/03/16 11:54	

SAMPLE DUPLICATE: 1762455

Parameter	Units	35274174004 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.010 U	0.010 U		20	

SAMPLE DUPLICATE: 1762457

Parameter	Units	35274206001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.13	0.12	1	20	

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 331263 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

METHOD BLANK: 1771658 Matrix: Water
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphorus, Total (as P)	mg/L	0.050 U	0.10	0.050	11/10/16 11:24	

LABORATORY CONTROL SAMPLE: 1771659

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus, Total (as P)	mg/L	4	3.9	98	90-110	

MATRIX SPIKE SAMPLE: 1771661

Parameter	Units	35273552003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus, Total (as P)	mg/L	79.3	8	87.2	100	80-120	

SAMPLE DUPLICATE: 1771660

Parameter	Units	35273552003 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus, Total (as P)	mg/L	79.3	84.3	6	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 329857 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

METHOD BLANK: 1762316 Matrix: Water
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5 U	20.0	12.5	11/03/16 15:13	

LABORATORY CONTROL SAMPLE: 1762317

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	502	100	90-110	

MATRIX SPIKE SAMPLE: 1762319

Parameter	Units	35273483004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	15.1 I	500	499	97	90-110	

MATRIX SPIKE SAMPLE: 1762321

Parameter	Units	35274011001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	27.4	500	526	100	90-110	

SAMPLE DUPLICATE: 1762318

Parameter	Units	35273483004 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	15.1 I	12.5 U		20	

SAMPLE DUPLICATE: 1762320

Parameter	Units	35274011001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	mg/L	27.4	25.2	8	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

QC Batch: 331549 Analysis Method: SM 5310B
QC Batch Method: SM 5310B Analysis Description: 5310B TOC
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

METHOD BLANK: 1773224 Matrix: Water
Associated Lab Samples: 35273562001, 35273563001, 35273565001, 35273565002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	11/10/16 18:18	

LABORATORY CONTROL SAMPLE: 1773225

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	20	20.5	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1773226 1773227

Parameter	Units	35273562001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	14.7	20	20	34.7	34.4	100	98	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1773228 1773229

Parameter	Units	35275634001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	ND	20	20	19.0	19.2	94	95	80-120	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALIFIERS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

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.
1p	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
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(HS)	Estimated Value. Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
J(L0)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
J(L2)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
J(M0)	Estimated Value. Matrix spike recovery was outside laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(R1)	Estimated Value. RPD value was outside control limits.
J(S0)	Estimated Value. Surrogate recovery outside laboratory control limits.
L	Off-scale high. Actual value is known to be greater than value given.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

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QUALIFIERS

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

ANALYTE QUALIFIERS

MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35272484001	MW-20A				
35272484002	MW-18R				
35272736001	MW-1R				
35272737001	NAM-1				
35272737002	NAM-2				
35272737003	NAM-3				
35272737004	NAM-4				
35272737005	NAM-1 Dup				
35272924001	MW-19A				
35272924002	MW-9				
35272924003	MW-8A				
35272924005	MW-17				
35273562001	Pond 1				
35273565001	Pond 2				
35273565002	Pond 2 DUP				
35274180001	MW-16				
35274180002	MW-15				
35274180003	MW-10R				
35272484001	MW-20A	EPA 8011	328666	EPA 8011	328876
35272484002	MW-18R	EPA 8011	328666	EPA 8011	328876
35272736001	MW-1R	EPA 8011	328666	EPA 8011	328876
35272924001	MW-19A	EPA 8011	329988	EPA 8011	330285
35272924002	MW-9	EPA 8011	329988	EPA 8011	330285
35272924003	MW-8A	EPA 8011	329988	EPA 8011	330285
35272924004	Equip Blank 102716	EPA 8011	329988	EPA 8011	330285
35272924005	MW-17	EPA 8011	329988	EPA 8011	330285
35273562001	Pond 1	EPA 8011	329653	EPA 8011	329767
35273563001	Field Blank 103116	EPA 8011	329653	EPA 8011	329767
35273565001	Pond 2	EPA 8011	329987	EPA 8011	330283
35273565002	Pond 2 DUP	EPA 8011	329987	EPA 8011	330283
35274180001	MW-16	EPA 8011	329988	EPA 8011	330285
35274180002	MW-15	EPA 8011	329988	EPA 8011	330285
35274180003	MW-10R	EPA 8011	329988	EPA 8011	330285
35274180004	Equip Blank 110216	EPA 8011	329988	EPA 8011	330285
35272484001	MW-20A	EPA 3010	329031	EPA 6010	329123
35272484002	MW-18R	EPA 3010	329031	EPA 6010	329123
35272736001	MW-1R	EPA 3010	329880	EPA 6010	330017
35272737001	NAM-1	EPA 3010	329880	EPA 6010	330017
35272737002	NAM-2	EPA 3010	329880	EPA 6010	330017
35272737003	NAM-3	EPA 3010	329880	EPA 6010	330017
35272737004	NAM-4	EPA 3010	329880	EPA 6010	330017
35272737005	NAM-1 Dup	EPA 3010	329880	EPA 6010	330017
35272737006	NAM Field Blank	EPA 3010	329880	EPA 6010	330017
35272924001	MW-19A	EPA 3010	330246	EPA 6010	330317

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35272924002	MW-9	EPA 3010	329880	EPA 6010	330017
35272924003	MW-8A	EPA 3010	329880	EPA 6010	330017
35272924004	Equip Blank 102716	EPA 3010	329880	EPA 6010	330017
35272924005	MW-17	EPA 3010	329880	EPA 6010	330017
35273562001	Pond 1	EPA 3010	330246	EPA 6010	330317
35273563001	Field Blank 103116	EPA 3010	330246	EPA 6010	330317
35273565001	Pond 2	EPA 3010	330246	EPA 6010	330317
35273565002	Pond 2 DUP	EPA 3010	330246	EPA 6010	330317
35274180001	MW-16	EPA 3010	332016	EPA 6010	332024
35274180002	MW-15	EPA 3010	332016	EPA 6010	332024
35274180003	MW-10R	EPA 3010	332016	EPA 6010	332024
35274180004	Equip Blank 110216	EPA 3010	332016	EPA 6010	332024
35272484001	MW-20A	EPA 3010	329032	EPA 6020	329128
35272484002	MW-18R	EPA 3010	329032	EPA 6020	329128
35272736001	MW-1R	EPA 3010	329883	EPA 6020	330020
35272737001	NAM-1	EPA 3010	329883	EPA 6020	330020
35272737002	NAM-2	EPA 3010	329883	EPA 6020	330020
35272737003	NAM-3	EPA 3010	329883	EPA 6020	330020
35272737004	NAM-4	EPA 3010	329883	EPA 6020	330020
35272737005	NAM-1 Dup	EPA 3010	329883	EPA 6020	330020
35272737006	NAM Field Blank	EPA 3010	329883	EPA 6020	330020
35272924001	MW-19A	EPA 3010	330217	EPA 6020	330282
35272924002	MW-9	EPA 3010	329883	EPA 6020	330020
35272924003	MW-8A	EPA 3010	329883	EPA 6020	330020
35272924004	Equip Blank 102716	EPA 3010	329883	EPA 6020	330020
35272924005	MW-17	EPA 3010	329883	EPA 6020	330020
35273562001	Pond 1	EPA 3010	330247	EPA 6020	330318
35273563001	Field Blank 103116	EPA 3010	330247	EPA 6020	330318
35273565001	Pond 2	EPA 3010	330247	EPA 6020	330318
35273565002	Pond 2 DUP	EPA 3010	330247	EPA 6020	330318
35274180001	MW-16	EPA 3010	332664	EPA 6020	332786
35274180002	MW-15	EPA 3010	332232	EPA 6020	332337
35274180003	MW-10R	EPA 3010	332232	EPA 6020	332337
35274180004	Equip Blank 110216	EPA 3010	332232	EPA 6020	332337
35273562001	Pond 1	EPA 1631E	335812	EPA 1631E	335815
35273563001	Field Blank 103116	EPA 1631E	335812	EPA 1631E	335815
35273565001	Pond 2	EPA 1631E	335812	EPA 1631E	335815
35273565002	Pond 2 DUP	EPA 1631E	335812	EPA 1631E	335815
35272484001	MW-20A	EPA 7470	329528	EPA 7470	329603
35272484002	MW-18R	EPA 7470	329528	EPA 7470	329603
35272736001	MW-1R	EPA 7470	329948	EPA 7470	330032
35272924001	MW-19A	EPA 7470	329948	EPA 7470	330032
35272924002	MW-9	EPA 7470	329948	EPA 7470	330032

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35272924003	MW-8A	EPA 7470	329948	EPA 7470	330032
35272924004	Equip Blank 102716	EPA 7470	329948	EPA 7470	330032
35272924005	MW-17	EPA 7470	329948	EPA 7470	330032
35274180001	MW-16	EPA 7470	331902	EPA 7470	331959
35274180002	MW-15	EPA 7470	331902	EPA 7470	331959
35274180003	MW-10R	EPA 7470	331902	EPA 7470	331959
35274180004	Equip Blank 110216	EPA 7470	331902	EPA 7470	331959
35272484001	MW-20A	EPA 8260	330009		
35272484002	MW-18R	EPA 8260	330009		
35272484003	Trip Blank 102516	EPA 8260	330009		
35272736001	MW-1R	EPA 8260	330675		
35272924001	MW-19A	EPA 8260	330676		
35272924002	MW-9	EPA 8260	330676		
35272924003	MW-8A	EPA 8260	330676		
35272924004	Equip Blank 102716	EPA 8260	330676		
35272924005	MW-17	EPA 8260	330676		
35272924006	Trip Blank 102716	EPA 8260	330676		
35273562001	Pond 1	EPA 8260	331206		
35273563001	Field Blank 103116	EPA 8260	331206		
35273563002	Trip Blank FB	EPA 8260	331206		
35273565001	Pond 2	EPA 8260	331206		
35273565002	Pond 2 DUP	EPA 8260	331206		
35273565003	Trip Blank (B)	EPA 8260	331206		
35274180001	MW-16	EPA 8260	331796		
35274180002	MW-15	EPA 8260	331796		
35274180003	MW-10R	EPA 8260	331796		
35274180004	Equip Blank 110216	EPA 8260	331796		
35274180005	Trip Blank 110216	EPA 8260	331796		
35272484001	MW-20A	SM 2540C	328543		
35272484002	MW-18R	SM 2540C	328543		
35272736001	MW-1R	SM 2540C	328737		
35272737001	NAM-1	SM 2540C	328737		
35272737002	NAM-2	SM 2540C	328737		
35272737003	NAM-3	SM 2540C	328737		
35272737004	NAM-4	SM 2540C	328737		
35272737005	NAM-1 Dup	SM 2540C	328737		
35272737006	NAM Field Blank	SM 2540C	328757		
35272924001	MW-19A	SM 2540C	329283		
35272924002	MW-9	SM 2540C	329283		
35272924003	MW-8A	SM 2540C	329283		
35272924004	Equip Blank 102716	SM 2540C	329342		
35272924005	MW-17	SM 2540C	329342		
35273562001	Pond 1	SM 2540C	329839		

Pace Analytical Services, LLC
8 East Tower Circle
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35273563001	Field Blank 103116	SM 2540C	329839		
35273565001	Pond 2	SM 2540C	329839		
35273565002	Pond 2 DUP	SM 2540C	329839		
35274180001	MW-16	SM 2540C	330235		
35274180002	MW-15	SM 2540C	330235		
35274180003	MW-10R	SM 2540C	330235		
35274180004	Equip Blank 110216	SM 2540C	330235		
35273562001	Pond 1	SM 2540D	329575		
35273563001	Field Blank 103116	SM 2540D	329575		
35273565001	Pond 2	SM 2540D	329575		
35273565002	Pond 2 DUP	SM 2540D	329575		
35273562001	Pond 1	SM 5210B	329307	SM 5210B	330660
35273563001	Field Blank 103116	SM 5210B	329307	SM 5210B	330660
35273565001	Pond 2	SM 5210B	329307	SM 5210B	330660
35273565002	Pond 2 DUP	SM 5210B	329307	SM 5210B	330660
35273562001	Pond 1	SM10200	329255	SM10200	329443
35273563001	Field Blank 103116	SM10200	329255	SM10200	329443
35273565001	Pond 2	SM10200	329255	SM10200	329443
35273565002	Pond 2 DUP	SM10200	329255	SM10200	329443
35273562001	Pond 1	TKN+NOx Calculation	331752		
35273563001	Field Blank 103116	TKN+NOx Calculation	331752		
35273565001	Pond 2	TKN+NOx Calculation	331752		
35273565002	Pond 2 DUP	TKN+NOx Calculation	331752		
35272484001	MW-20A	EPA 300.0	328656		
35272484002	MW-18R	EPA 300.0	328656		
35272736001	MW-1R	EPA 300.0	329593		
35272924001	MW-19A	EPA 300.0	329043		
35272924002	MW-9	EPA 300.0	329043		
35272924003	MW-8A	EPA 300.0	329043		
35272924004	Equip Blank 102716	EPA 300.0	329043		
35272924005	MW-17	EPA 300.0	329043		
35274180001	MW-16	EPA 300.0	330554		
35274180002	MW-15	EPA 300.0	330554		
35274180003	MW-10R	EPA 300.0	330554		
35274180004	Equip Blank 110216	EPA 300.0	330554		
35272484001	MW-20A	EPA 350.1	330121		
35272484002	MW-18R	EPA 350.1	330121		
35272736001	MW-1R	EPA 350.1	330121		
35272737001	NAM-1	EPA 350.1	330121		
35272737002	NAM-2	EPA 350.1	330121		
35272737003	NAM-3	EPA 350.1	330121		
35272737004	NAM-4	EPA 350.1	330121		
35272737005	NAM-1 Dup	EPA 350.1	330121		
35272737006	NAM Field Blank	EPA 350.1	330121		

Pace Analytical Services, LLC
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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35272924001	MW-19A	EPA 350.1	330121		
35272924002	MW-9	EPA 350.1	330121		
35272924003	MW-8A	EPA 350.1	330121		
35272924004	Equip Blank 102716	EPA 350.1	330121		
35272924005	MW-17	EPA 350.1	331146		
35273562001	Pond 1	EPA 350.1	331350		
35273563001	Field Blank 103116	EPA 350.1	331350		
35273565001	Pond 2	EPA 350.1	331350		
35273565002	Pond 2 DUP	EPA 350.1	331350		
35274180001	MW-16	EPA 350.1	332115		
35274180002	MW-15	EPA 350.1	332115		
35274180003	MW-10R	EPA 350.1	332115		
35274180004	Equip Blank 110216	EPA 350.1	332115		
35273562001	Pond 1	EPA 351.2	331141	EPA 351.2	331338
35273563001	Field Blank 103116	EPA 351.2	331141	EPA 351.2	331338
35273565001	Pond 2	EPA 351.2	331141	EPA 351.2	331338
35273565002	Pond 2 DUP	EPA 351.2	331141	EPA 351.2	331338
35272484001	MW-20A	EPA 353.2	328314		
35272484002	MW-18R	EPA 353.2	328314		
35272736001	MW-1R	EPA 353.2	328480		
35272924001	MW-19A	EPA 353.2	328785		
35272924002	MW-9	EPA 353.2	328785		
35272924003	MW-8A	EPA 353.2	328785		
35272924004	Equip Blank 102716	EPA 353.2	328785		
35272924005	MW-17	EPA 353.2	328785		
35273562001	Pond 1	EPA 353.2	329417		
35273563001	Field Blank 103116	EPA 353.2	329417		
35273565001	Pond 2	EPA 353.2	329417		
35273565002	Pond 2 DUP	EPA 353.2	329417		
35274180001	MW-16	EPA 353.2	329922		
35274180002	MW-15	EPA 353.2	329922		
35274180003	MW-10R	EPA 353.2	329922		
35274180004	Equip Blank 110216	EPA 353.2	329922		
35273562001	Pond 1	EPA 365.4	331263	EPA 365.4	331340
35273563001	Field Blank 103116	EPA 365.4	331263	EPA 365.4	331340
35273565001	Pond 2	EPA 365.4	331263	EPA 365.4	331340
35273565002	Pond 2 DUP	EPA 365.4	331263	EPA 365.4	331340
35273562001	Pond 1	EPA 410.4	329857		
35273563001	Field Blank 103116	EPA 410.4	329857		
35273565001	Pond 2	EPA 410.4	329857		
35273565002	Pond 2 DUP	EPA 410.4	329857		
35273562001	Pond 1	SM 5310B	331549		
35273563001	Field Blank 103116	SM 5310B	331549		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sarasota Central Landfill comb
Pace Project No.: 35272484

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35273565001	**Pond 2**	SM 5310B	331549		
35273565002	**Pond 2 DUP**	SM 5310B	331549		

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: 5.3 °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

Phone: ( ) 941 650-9834
Fax: ( )

WO#: 35272484
35272484

3. Client Project Name:
Central County wells

4. Client Project No.:
No.: 170619

6. Custody Seal No.:

7. Sampled By: Alison Eggleston

8. Shipping Method:

GW = Ground Water
SW = Surface Water
PW = Process Water
WW = Waste Water
O = 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 (Code)	13. Air	13. Soil	13. Sludge	13. Other	14. 15. Preservatives H	C	16. Containers V	V	N P	S P	C P	17. 8260 VOCs App I	8011 EDB App I	Metals App I Fe,Hg, Na, Mn	Nutrients App I	Miscellaneous Inorgs App I	20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1	27141	MW-20A	10/25/16	1036		X	gw												A,B,C	D,E	F	G	H	F:Metals App I	
2	29095	MW-18B	10/25/16	1150		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	10/25/16	1235		10/25/16	1505
2	10/25/16	2200	Fedex	10/25/16	2200
3				10/26/16	00:43
4					

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

PLEASE USE ADAPT

Pace Container Order #169174

Addresses

Order By :		Ship To :		Return To:	
Company	Sarasota County	Company	Sarasota County	Company	Pace Analytical Ormond Beach
Contact	Mr. Cesar Rodriguez	Contact	Mr. Cesar Rodriguez	Contact	Vondrick, Joe
Email	crodrigu@scgov.net	Email	crodrigu@scgov.net	Email	joe.vondrick@pacelabs.com
Address	1255 T. Mabry Carlton Parkway	Address	1255 T. Mabry Carlton Parkway	Address	8 East Tower Circle
Address 2		Address 2		Address 2	
City	Venice	City	Venice	City	Ormond Beach
State	FL Zip 34292	State	FL Zip 34292	State	FL Zip 32174
Phone	(941) 650-9834	Phone	(941) 650-9834	Phone	(386)672-5668

Info

Project Name	Central Cty MW wells Appdx 1	**Due Date**	09/30/2016	**Profile**	833 #1	**Quote**	
Project Manager	Vondrick, Joe	**Return**		**Carrier**	FedEx Ground - Ormond Beach	**Location**	FL

Trip Blanks

- [ ] Include Trip Blanks

Bottle Labels

- [ ] Blank
- [ ] Pre-Printed No Sample IDs
- [x] Pre-Printed With Sample IDs

Bottles

- [ ] Boxed Cases
- [ ] Individually Wrapped
- [x] Grouped By Sample

Return Shipping Labels

- [ ] No Shipper Number
- [ ] With Shipper Number

COC Options

- [ ] Number of Blanks
- [x] Pre-Printed 2

Misc

- [ ] Sampling Instructions
- [x] Custody Seal
- [x] Temp. Blanks
- [x] Coolers
- [ ] Syringes
- [ ] Extra Bubble Wrap
- [ ] Short Hold/Rush Stickers
- [ ] DI Water Liter(s)
- [ ] USDA Regulated Soils

# of Samples	Matrix	Test	Container	Total	# of QC	Lot #	Notes
14	WT	VOC by 8260	3 - 40 ml vials (HCl)	42	0		
14	WT	metals by 6010/6020/7470	500 mL plastic, HNO3	14	0		
14	WT	TDS NO3 Cl SO4	1L Plastic Unpreserved	14	0		
14	WT	EDB and DBCP EPA 8011	2-40mL Clear Glass Unpreserved	28	0		
14	WT	NH3	1-250mL plastic w/H2SO4	14	0		
4	WT	Trip BLANK	2 - 40 ml vials w/ HCL	8	0		

RETURN WITH COC

Hazard Shipping Placard In Place : NO

*Sample receiving hours are Mon-Fri 8:00am-6:00pm and Sat 10:00am-6:00pm unless special arrangements are made with your project manager.

*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.
*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage and disposal.
*Payment term are net 30 days.
*Please include the proposal number on the chain of custody to insure proper billing.

Sample Notes

Central county Monitoring wells Adapt

Ship Date :
Prepared By:
Verified By:
Tracking Num:

Internal Notes

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: August 10, 2016
	Document No: F-FL-C-007 rev. 10	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt

WO# : 35272484

Project #
Project Manager: PM: JJV **Due Date:** 11/09/16
Client: CLIENT: SARCOU

Date and Initials of person:
Examining contents: _____
Label: K.P.
Deliver: _____
pH: _____

Thermometer Used: T-269 Date: 10/26/16 Time: 0823 Initials: _____

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

Cooler #1 Temp.°C	1.3 (Visual)	+0.2 (Correction Factor)	1.5 (Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun

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

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ Other _____

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals Intact: ☐ Yes ☑ No Ice: Wet Blue None

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

		Comments:
Chain of Custody Present	☑Yes ☐No ☐N/A	
Chain of Custody Filled Out	☑Yes ☐No ☐N/A	
Relinquished Signature & Sampler Name COC	☑Yes ☐No ☐N/A	
Samples Arrived within Hold Time	☑Yes ☐No ☐N/A	
Rush TAT requested on COC	☐Yes ☑No ☐N/A	
Sufficient Volume	☑Yes ☐No ☐N/A	
Correct Containers Used	☑Yes ☐No ☐N/A	
Containers Intact	☑Yes ☐No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑Yes ☐No ☐N/A	
All containers needing acid/base preservation have been checked All Containers needing preservation are found to be in compliance with EPA recommendation Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐Yes ☐No ☐N/A ☑Yes ☐No ☐N/A	Preservation Information Preservative _____ Lot #/Trace # _____ Date _____ Time: _____ Initials _____
Headspace in VOA Vials? (>6mm):	☑Yes ☐No ☐N/A	MW-20A 2of3, MW-18R 3of3
Trip Blank Present:	☑Yes ☐No ☐N/A	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time _____

Comments/ Resolution (use back for additional comments): Trip blanks received, not on COC

Project Manager Review: _____ Date: 10/27

Form FD 9000-24

GROUNDWATER SAMPLING LOG

D/N

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis, FL 34275	
WELL NO: NAM-1	SAMPLE ID: 29091	DATE: 10/26/16

PURGING DATA

WELL DIAMETER (Inches): 2.0	TUBING DIAMETER (Inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 3.50	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.5 feet − 3.50 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): 4.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 4.5	PURGING INITIATED AT: 0857	PURGING ENDED AT: 0925	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)
0915	1.8	1.8	0.1	4.01	6.75	25.31	891	0.45	5.47		
0920	0.5	2.3	0.1	4.01	6.74	25.38	898	0.32	3.67		
0925	0.5	2.8	0.1	4.01	6.70	25.34	904	0.23	2.74		
				✓	✓	✓	✓	✓	✓		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: CHRIS MURRAY (SARASOTA COUNTY)	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0926	SAMPLING ENDED AT: 0931
PUMP OR TUBING DEPTH IN WELL (feet): 4.5	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					
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	< 2	Metals	APP	400
B	1	HDPE	250 mL	H2SO4 & wet ice	N/A	< 2	Total Ammonia	APP	400
C	1	HDPE	1L	H2SO4 & wet ice	N/A		Misc. Inorganics	APP	400

REMARKS:

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd, Nokomis, FL 34275	
WELL NO: NAM-2	SAMPLE ID: 29092	DATE: 10/26/16

PURGING DATA

WELL DIAMETER (inches): 2.0 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 4.46 | PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.5 feet – 4.46 feet) X 0.16 gallons/foot = 1.6 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5.5 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): | PURGING INITIATED AT: 1003 | PURGING ENDED AT: 1027 | 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)
1019	1.6	1.6	0.1	4.56	6.86	25.97	788	0.53	5.66	Pale Yellow	Sulfur/Sheen
1023	0.4	2.0	0.1	4.56	6.85	26.00	783	0.44	5.03	↓	↓
1027	0.4	2.4	0.1	4.56	6.85	26.00	781	0.35	3.48	↓	↓

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: Chris Murray / Sarasota County | SAMPLER(S) SIGNATURE(S): [signature] | SAMPLING INITIATED AT: 1028 | SAMPLING ENDED AT: 1033

PUMP OR TUBING DEPTH IN WELL (feet): 5.5 | 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 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	400
C1123	1	HDPE	1L	H2SO4 & wet ice	N/A	\	Misc. Inorganics	APP	400

REMARKS:

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

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

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

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

Revision Date: February 12, 2009

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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: 10/26/16

PURGING DATA

WELL DIAMETER (inches): 2.0 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 3.79 | 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 – 3.79 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: 1101 | PURGING ENDED AT: 1128 | TOTAL VOLUME PURGED (gallons): 2.7

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)
1118	1.7	1.7	0.1	4.3	6.72	24.57	578	0.81	4.38	PALE YEL	METALLIC/SFX
1123	0.5	2.2	0.1	4.31	6.72	24.56	578	0.57	4.10		
1128	0.5	2.7	0.1	4.31	6.72	24.58	578	0.46	2.81		

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Murphy / SARASOTA COUNTY | SAMPLER(S) SIGNATURE(S): [signature] | SAMPLING INITIATED AT: 1129 | SAMPLING ENDED AT: 1135

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

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

SAMPLE 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	400
C1123	1	HDPE	1L	H2SO4 & wet ice	N/A		Misc. Inorganics	APP	400

REMARKS:

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

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

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

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

Revision Date: February 12, 2009

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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: 10/26/11

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.31	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 – 7.31 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): 8.3	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.3	PURGING INITIATED AT: 1200	PURGING ENDED AT: 1017	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)
1215	1.2	1.2	0.08	7.98	6.61	26.60	786	0.97	16.2	[illegible]	[illegible]
1219	0.3	1.5	0.08	7.75	6.61	26.57	785	0.74	14.7	↓	↓
1223	0.3	1.8	0.08	7.75	6.57	26.62	773	0.54	12.9	↓	↓
					✓	✓	✓	✓	✓		

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Murray / Sarasota County	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1224	SAMPLING ENDED AT: 1229
PUMP OR TUBING DEPTH IN WELL (feet): 8.3	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			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	300
C1123	1	HDPE	1L	H2SO4 & wet ice	N/A	—	Misc. Inorganics	APP	300

REMARKS:

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

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

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

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

Revision Date: February 12, 2009

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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: 10/26/16

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.38	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15.7 feet – 5.38 feet) X 0.16 gallons/foot = 1.7 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6.4	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.0	PURGING INITIATED AT: 1300	PURGING ENDED AT: 1334	TOTAL VOLUME PURGED (gallons): 3.3

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)
1322	1.8	1.8	0.08	6.21	6.49	26.84	515	0.12	5.61	NONE APPARENT	SULFUR/SOUR
1328	0.5	2.3	0.08	6.26	6.40	26.90	527	0.16	4.15	↓	↓
1334	0.5	2.8	0.08	6.29	6.46	26.83	533	0.13	3.78		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: CHRIS MURRAY / SARASOTA COUNTY	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1335	SAMPLING ENDED AT: 1345
PUMP OR TUBING DEPTH IN WELL (feet): 7.0	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					
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. 1	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. 1	APP	
G	1	HDPE	250 mL	H2SO4 & wet ice	N/A		Nutrients – App. 1	APP	
H	1	HDPE	1 L	Wet Ice	N/A	N/A	Misc.Inorg. App 1	APP	

REMARKS:

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

D12

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Road, Nokomis, FL 34275	
WELL NO: MW-8A	SAMPLE ID: 21453	DATE: 10/27/2016

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 15.61	PURGE PUMP TYPE OR BAILER: PP 1.6 W

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.4 feet – 15.61 feet) X 0.16 gallons/foot = 1.1 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 16.6	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 16.6	PURGING INITIATED AT: 1053	PURGING ENDED AT: 1115	TOTAL VOLUME PURGED (gallons): 1.7

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1107	1.1	1.1	0.08	16.06	6.31	27.16	1474	0.13	2.03	PALE AMBER	SULFUR/SULFUR
1111	0.3	1.4	0.08	16.06	6.30	27.14	1476	0.09	1.19	1	1
1115	0.3	1.7	0.08	16.06	6.32	27.00	1474	0.08	1.36	0	0
					✓	✓	✓	✓	✓		

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: CHRIS MURRAY / SARASOTA COUNTY	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1116	SAMPLING ENDED AT: 1128
PUMP OR TUBING DEPTH IN WELL (feet): 16.6	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					
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	↓
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: ONE VOC VIAL 8260 BROKEN IN FIELD MW 0/E

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Road, Nokomis, FL 34275	
WELL NO: MW-9	SAMPLE ID: 4509	DATE: 10/27/2016

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): 12.16	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.8 feet – 12.16 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): 13.1	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.0	PURGING INITIATED AT: 0947	PURGING ENDED AT: 1014	TOTAL VOLUME PURGED (gallons): 2.7

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1005	1.7	1.7	0.1	12.71	6.48	29.41	1886	0.13	1.35	PALE YELLOW	SULFUR/HC
1009	0.5	2.2	0.1	12.71	6.49	29.51	1885	0.12	0.89	↓	↓
1014	0.5	2.7	0.1	12.71	6.50	29.50	1885	0.12	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: CHRIS MURRAY / SARASOTA COUNTY	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1015	SAMPLING ENDED AT: 1028
PUMP OR TUBING DEPTH IN WELL (feet): 15.0	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					
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	400
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; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

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

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

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

Revision Date: February 12, 2009

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: 11/2/2016

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 20.08	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)
= (30.2 feet – 20.08 feet) X 0.16 gallons/foot = 1.6 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21.1	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21.1	PURGING INITIATED AT: 1112	PURGING ENDED AT: 1142	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)
1132	1.6	1.6	0.08	BTW bottom of pump & 21.1 AND W.L.	6.42	29.66	1700	0.08	1.49	LIGHT AMBER	NONE SWEET
1137	0.4	2.0	0.08		6.41	29.62	1679	0.07	0.69	↓	↓
1142	0.4	2.4	0.08	NO DRAWN IN W.L.	6.41	29.57	1665	0.04	0.61		

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):	SAMPLING INITIATED AT: 1143	SAMPLING ENDED AT: 1157
PUMP OR TUBING DEPTH IN WELL (feet): 21.1	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	<2	8260-vocs App. I	APP ESP	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	<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

OK

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd. Nokomis FL 34275	
WELL NO: MW-15	SAMPLE ID: 23031	DATE: 11/2/2016

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 24.70	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 – 24.70 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): 25.7	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25.7	PURGING INITIATED AT: 0950	PURGING ENDED AT: 1018	TOTAL VOLUME PURGED (gallons): 1.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1008	0.9	0.9	0.05	BW BOTTOM OF PUMP 25.7 AND DRY. NO RECOVERY	6.57	28.29	3713	0.04	2.21	AMBER	METHANE/SH
1013	0.3	1.2	0.05		6.57	28.38	3715	0.03	2.39	↓	↓
1018	0.3	1.5	0.05		6.58	28.42	3718	0.01	2.36	↓	↓
					/	/	/	/	/		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1019	SAMPLING ENDED AT: 1032
PUMP OR TUBING DEPTH IN WELL (feet): 25.7	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 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: 11/2/2016

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 24.97	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 – 24.97 feet) X 0.16 gallons/foot = 0.9 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26.0	PURGING INITIATED AT: 0839	PURGING ENDED AT: 0907	TOTAL VOLUME PURGED (gallons): 1.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0857	0.9	0.9	0.05	Top bottom of pump	6.24	28.39	2426	0.05	1.18	MED YELLOW	METALLIC/SWE
0902	0.3	1.2	0.05	25.8 and	6.24	28.48	2415	0.04	0.99		
0907	0.3	1.5	0.05	25.6. Near drawn.	6.25	28.42	2399	0.04	1.24	↓	↓

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):	SAMPLING INITIATED AT: 0908	SAMPLING ENDED AT: 0926
PUMP OR TUBING DEPTH IN WELL (feet): 26.0	TUBING MATERIAL CODE: ~~HDPE~~ 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)

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: 10/27/2016

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 28.06	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (32.6 feet – 28.06 feet) X 0.16 gallons/foot = 0.7 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): 29.1	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29.1	PURGING INITIATED AT: 1241	PURGING ENDED AT: 1303	TOTAL VOLUME PURGED (gallons): 1.1

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1255	0.7	0.7	0.05	28.39	6.25	29.10	1772	0.07	1.50	PALE YELLOW	SULFUR/SHEEN
1259	0.2	0.9	0.05	28.38	6.26	29.13	1778	0.04	4.16	"	"
1303	0.2	1.1	0.05	28.38	6.28	29.12	1788	0.03	1.83	"	"
				✓	✓	✓	✓	✓	✓		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1304	SAMPLING ENDED AT: 1319
PUMP OR TUBING DEPTH IN WELL (feet): 29.1	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, 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 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: 29095	DATE: 10/25/2016

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.23	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 – 10.23 feet) X 0.16 gallons/foot = 1.3 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.2	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0	PURGING INITIATED AT: 1122	PURGING ENDED AT: 1149	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)
1139	1.4	1.4	0.08	11.04	6.01	29.11	578	0.08	6.27	YELLOW AMBER METALLIC FLAKES	
1144	0.4	1.8	0.08	11.05	6.01	29.13	578	0.08	6.72	"	"
1149	0.4	2.2	0.08	11.07	6.01	29.06	578	0.06	6.64	"	"
				✓	✓	✓	✓	✓	✓		

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: Allison Eggleston / Sarasota County	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1150	SAMPLING ENDED AT: 1201
PUMP OR TUBING DEPTH IN WELL (feet): 12.0	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING X (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	↓
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)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Road, Nokomis, FL 34275	
WELL NO: MW-19A	SAMPLE ID: 27140	DATE: 10/27/2016

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): 9.98	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 – 9.98 feet) X 0.16 gallons/foot = 2.0 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): 11.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0	PURGING INITIATED AT: 0818	PURGING ENDED AT: 0857	TOTAL VOLUME PURGED (gallons): 3.2

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)
0843	2.0	2.0	0.08	10.89	6.66	27.82	861	0.75	0.62	PALE YELLOW	SLIGHT SULFUR
0850	0.6	2.6	0.08	10.91	6.61	27.89	857	0.19	0.70	"	"
0857	0.6	3.2	0.08	10.94	6.63	27.91	842	0.12	2.02	"	"
					↓	↓	↓	↓	↓		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: CHRIS MURRAY / SARASOTA COUNTY	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0858	SAMPLING ENDED AT: 0910
PUMP OR TUBING DEPTH IN WELL (feet): 12.0	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					
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	↓
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; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

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

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

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

Revision Date: February 12, 2009

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

OK 2010

SITE NAME: CCSWDC	SITE LOCATION: 4000 Knights Trail Rd. Nokomis FL 34275	
WELL NO: MW-20A	SAMPLE ID: 27141	DATE: 10/28/2010

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.25	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.5 feet – 10.25 feet) X 0.16 gallons/foot = 2.0 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): 11.3	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0	PURGING INITIATED AT: 0956	PURGING ENDED AT: 1035	TOTAL VOLUME PURGED (gallons): 3.2

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)
1021	2.0	2.0	0.08	11.42	6.42	27.91	707	0.13	0.59	MED AMBER	SLIGHT MEDICINAL
1028	0.6	2.6	0.08	11.46	6.42	27.99	700	0.12	0.52	↓	↓
1035	0.6	3.2	0.08	11.49	6.42	27.98	693	0.12	0.66	↓	↓
				↓	↓	↓	↓	↓	↓		

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):	SAMPLING INITIATED AT: 1036	SAMPLING ENDED AT: 1048
PUMP OR TUBING DEPTH IN WELL (feet): 12.5	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)					
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	↓
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)

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

SURVEY/PROJECT: CENTRAL COUNTY 2nd SEMI SAMPLERS: CM/AE METER # YSI-556

STATION NUMBER	STATION DESCRIPTION	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	16/10/31	09:15	1.5	0.5	23.03	6.17	—	367	—	7.20	21.5
28825	Pond 2	16/10/31	09:56	1.5	0.5	23.11	3.84	—	409	—	6.69	46.2

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

QUALITY ASSURED

BENCHMARK
EnviroAnalytical Inc.

NELAC Certification #E84167

ANALYTICAL TEST REPORT
THESE RESULTS MEET NELAC STANDARDS

Submission Number : 16101100

Sarasota County Utilities Oper
1255 T. Mabry Carlton Pkwy
Venice, FL 34293

Cesar Rodriguez

Project Name : CC SOLID WASTE WATER
Date Received : 10/31/2016
Time Received : 1550

Submission Number: 16101100
Sample Number: 001
Sample Description: Pond 1 - 28824
Sample Date: 10/31/2016
Sample Time: 0915
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
FECAL COLIFORM	130 B	#/100 ML	10	10	SM9222D	10/31/2016 16:09	KD

Submission Number: 16101100
Sample Number: 002
Sample Description: Pond 2 - 28825
Sample Date: 10/31/2016
Sample Time: 0950
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
FECAL COLIFORM	120 B	#/100 ML	10	10	SM9222D	10/31/2016 16:09	KD

Submission Number: 16101100
Sample Number: 003
Sample Description: Duplicate
Sample Date: 10/31/2016
Sample Time: 0950
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
FECAL COLIFORM	110 B	#/100 ML	10	10	SM9222D	10/31/2016 16:09	KD

Submission Number: 16101100
Sample Number: 004
Sample Description: Field Blank
Sample Date: 10/31/2016
Sample Time: 0900
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
FECAL COLIFORM	10 U	#/100 ML	10	10	SM9222D	10/31/2016 16:09	KD

Dale D. Dixon / Laboratory Director — 11/02/2016 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.
G1 = Accuracy standards does not meet method control limits, but does meet lab control limits that are in agreement with USEPA generated data. USEPA letter available upon request.

COMMENTS:

For questions or comments regarding these results, please contact us 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

Client:

Sarasota County Solid Waste Operations
Central County Solid Waste
(941) 650-9834 (Cesar)
(941) 650-1112 (Heather)
(941) 480-3558 (QA Office Fax)

Semi Annual Surface Water (ADAPT)

(Circle One): **P.O. #: 170789**

Chain of Custody Form: CC Solid waster · Method of discharge[2]: Surface Water
Profile: 598

Laboratory Submission #: 1610 to 1100 ⊗ 10/31/16

Sample ID	Sample Type[1]	Collection		Bottle			Preservative[4]	Parameters for Analysis	Laboratory Sample #
		Date	Time	Quantity	Capacity	Type[3]			
POND 1 28824	Grab	10/31/16	0915 ~~0900~~ * ✓	1	100mL	Sterile Plastic	NaThio	Fecal Coliform (MF)	1
POND 2 28825	Grab	10/31/16	0950 ✓	1	100mL	Sterile Plastic	NaThio	Fecal Coliform (MF)	2
Duplicate	Grab	↓	0950 ✓	1	100mL	Sterile Plastic	NaThio	Fecal Coliform (MF)	3
Field Blank	Grab	↓	0900 ✓	1	100mL	Sterile Plastic	NaThio	Fecal Coliform (MF)	4

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 ✓ ☐
BEA Temperature: 2.6 °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.

*Time change per sample bottle. ⊗ 10/31/16

1	Collector: (print) CHRIS MURRAY	Date: 10/31/2016	2	Received by: (print) S FELDLEIT	Date: 11/1/16
	Signature:	Time: 1204		Signature:	Time: 1400
3	Relinquished By: (print) S FELDLEIT	Date: 10/31/16	4	Received by: (print) Annah Jensen	Date: 10/31/16
	Signature:	Time: 1550		Signature:	Time: 1550
5	Relinquished By:	Date:	6	Received by:	Date:

Revision Date 10/14/2016 for FY 2017

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 COUNTY 2ND TEM SAMPLERS: CM/AE METER # YSI-556

STATION NUMBER	STATION DESCRIPTION	PARAMETER	DATE	TIME	TOTAL DEPTH	SAMPLE DEPTH	WATER TEMP	DO	%SAT DO	COND	SALINITY	PH	TURBIDITY
		UNIT	yy/mm/dd	hr:min	feet	feet	Celsius	mg/L	%	µS/cm	ppt	su	NTU
		STORET CODE	73672		81903	68	10	299	301	94	480	400	82078
28824	Pond 1		16/10/31	09:15	1.5	0.5	23.03	6.17	—	367	—	7.20	21.5
28825	Pond 2		16/10/31	09:36	1.5	0.5	23.11	3.84	—	409	—	6.69	46.2

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