



Department of Solid Waste Management

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March 15, 2024

Florida Department of Environmental Protection
Southeast District
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406

Subject: 2024 – First Semi-Annual Water Quality Monitoring Report
Permit No. 065435-008-SF; Resources Recovery Facility / N.W. 58th Street Landfill;

Pursuant to the terms of the above-referenced permit, enclosed please find the 2024 – First Semiannual Water Quality Monitoring Report. Adapt files and corresponding report have been uploaded to the Business Portal Resources Recovery Facility / N.W. 58th Street Landfill.

If you have any question please contact Arelys Roman at (305) 474-7002 or at Arelys.Roman@miamidade.gov.

Sincerely,

Digitally signed by Mario Porcelli
Date: 2024.03.13 12:01:13 -04'00'

Mario Porcelli
Environmental Affairs Manager
Technical Services and Environmental Affairs Division

ec: Wilbur Mayorga, P.E., RER/DERM
Naquita D'Andrade, FDEP



**Miami Dade County
Department of Solid Waste
Management**

**RRF/NW 58th STREET LANDFILL
1st SEMI-ANNUAL SAMPLING EVENT
GROUNDWATER MONITORING
REPORT
2024**

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MONITORING REPORT 2024 - FIRST SEMI-ANNUAL SAMPLING EVENT

Miami-Dade County Resources Recovery Facility and N.W. 58th Street Landfill

I. INTRODUCTION

The following report is submitted pursuant to the terms of Permit Number PA 77-08 and File Number PSD-FL-006C for Resources Recovery and Permit Number 065435-008-SF for N.W. 58th Street Landfill facilities. It depicts water quality data results for the Miami-Dade County Resources Recovery Facility Ash Landfill and the N.W. 58th Street Landfill. These two Miami-Dade County properties are adjacent to each other and hold State mandated water quality monitoring parameter requirements and reporting deadlines. Because of the common characteristics shared by both sites, water quality monitoring activities have been combined for sampling and reporting purposes only.

However, analyses of the results, comments, and descriptions in this report are site specific. All water quality sampling and analysis is performed by a laboratory certified by the National Environmental Laboratory Accreditation Committee (NELAC), in compliance with Chapter 62-160.300, Florida Administrative Code (F.A.C.). The environmental monitoring related operations are supervised by the Miami-Dade County Department of Solid Waste Management (DSWM), Technical Services and Environmental Affairs Division's staff in accordance with methods and procedures specified in its Comprehensive Quality Assurance Plan (QA), approved by the Florida Department of Environmental Protection (FDEP) under QA Plan number 9000483. All sampling and analysis for this project was performed by Pace Analytical Services, Inc. (Pace) a fully certified contracted laboratory.

II. LOCATIONS:

The Miami-Dade County Resources Recovery Facility Ash Landfill (RRF) is located:

6990 NW 97 Avenue
Miami, Florida 33178
Section 17, Township 53S, Range 40E
Latitude: 25 50 00 N.
Longitude: 80 21 40 W.

The N.W. 58th Street Landfill (58th Street) is located:

8831 N.W. 58th Street

Miami, Florida 33178

Section 16, Township 53S, Range 40E

Latitude: 25 50 10 N.

Longitude: 80 21 17 W.

III. GENERAL INFORMATION

1.0 Sampling and Laboratory Analyses:

1.1 Sample Collection and Field Parameter Readings

All groundwater samples were collected from groundwater monitoring wells between January 26, 2024 thru January 30, 2024 for laboratory analyses by Pace. Leachate samples were also collected from RRF on February 8, 2024 and February 27, 2024. Samples included all the State required parameters and were sampled in accordance with their QA.

The total number of groundwater monitoring wells between RRF and N.W. 58th Street that are included in this report is fifty. Using a peristaltic pump all groundwater wells were purged following the sampling Standard Operation Procedures in accordance with the Florida Department of Environmental Protection (DEP-SOP-001/01) groundwater monitoring well purging protocol. The groundwater samples are collected directly into the sampling bottles from the pump discharge. Groundwater monitoring well locations is presented in Exhibit A.

1.2 Sample Storage and Delivery

All groundwater and leachate samples were collected by Pace staff and were placed on ice inside previously cleaned coolers. All samples are logged by Pace staff for data analysis and reporting.

2.0 Data Reporting:

2.1 Results

Pace provided all groundwater and leachate samples results in the FDEP format, as required by the Chapter 62-522.900(2), F.A.C. Groundwater analysis results are depicted in the following sets of data tables:

- Resources Recovery Facility - Table 1
- N.W. 58th Street Landfill – - Table 2
- Well Cluster Common to RRF and N.W. 58th Street – Table 3

IV. RESOURCES RECOVERY FACILITY

1.0 Groundwater Sampling Results:

The RRF site includes nine well clusters and the comprised results (**Table 1**) for field parameter readings, inorganic, and organic chemistry for groundwater sampling are included.

1.1 Field Parameters

The field parameter for each monitoring well was taken and pH levels at all monitoring wells were within the permitted range.

1.2 General Chemistry

Total Dissolved Solids (TDS) values were above the Secondary Drinking Water Standard (SDWS) of 500 mg/l for monitoring wells RR2(60), RR4(20), RR4(60), RR5(20) and RR5(60). The highest TDS concentration was detected in well RR5(60) with a value of 1650 mg/l. Chloride concentration levels at this facility were above the SDWS of 250 mg/l in wells RR2(60), RR4(60), RR5(20) and RR5(60). The highest Chloride was found in well RR5(60) with a level of 877 mg/l. Ammonia was detected in twenty three monitoring wells at this facility with the highest concentrations detected at RR5(60) with a value of 3.7 mg/l.

1.3 Metals

Ten monitoring wells at this facility had Iron at above the SDWS of 300 ug/l. Iron values that exceeded the SDWS ranged from 303 ug/l to 745 ug/l in wells RR1(60), RR2(30), RR4(60), RR5(60), RR16(30), RR16(60), NW18(60), NW46(60), RE10(30), and RE10(60). One monitoring well had Sodium above the SDWS of 160 ug/l. RR5(60) had Sodium at 391 ug/l. All other metals at this site were below the applicable regulatory limits.

1.4 Volatile Organic Compounds

All volatile organic compounds (VOCs) were below their respective primary or secondary standards in accordance with Chapter 62-550, F.A.C. For VOCs not regulated under Chapter 62-550, F.A.C., the results were compared to the Groundwater Clean-up Target Levels (GCTL) referenced in Chapter 62-777, F.A.C. The results for these VOCs were below their respective GCTL.

2.0 Leachate Sampling Results:

2.1 Leachate

The results for leachate sampling did not exceed limits for any compound listed in Table 1 of 40 CFR 261.24.

V. N.W. 58th STREET LANDFILL

1.0 Groundwater Sampling Results:

The N.W. 58th Street site also includes nine well clusters and the comprised results (**Table 2**) for field parameter readings, inorganic, and organic chemistry for groundwater sampling are included.

1.1 Field Parameters

The field parameters for each monitoring well was taken. pH levels for eight wells at this facility had pH below the permitted SDWS. pH levels below SDWS ranged from 6.25 to 6.48 at wells M11(15), M12(20), M13(20), M13(60), M14(20), M14(40), M15(20) and M15(60). All the other monitoring wells were within the permitted SDWS range.

1.2 General Chemistry

Nineteen monitoring wells at this facility had Total Dissolved Solids (TDS) values above the Secondary Drinking Water Standard (SDWS) of 250 mg/l. The concentration level for these wells ranged between 251 mg/l and 1000 mg/l.

1.3 Metals

Thirteen monitoring wells at this facility had Iron levels above the SDWS of 1000 ug/l. Iron values ranged from 1050 ug/l to 12700 ug/l in wells M3(30), M3(50), M3(70), M4(15), M4(30), M4(60), M11(15), M11(30), M13(20), M14(20), M14(40), M15(20) and M15(60). All other metals sampled at this site were below the applicable regulatory limits.

VI. WELL CLUSTERS COMMON TO RRF & N.W. 58TH STREET LANDFILL

1.0 Groundwater Sampling Results:

The common well clusters for both sites are located along N.W. 97th Avenue and include three monitoring well clusters (i.e., RR17, RR19 and NW23) and the comprised results (Table 3) for field parameter readings, inorganic, and organic chemistry for groundwater sampling are included.

1.1 Field Parameters

The field parameter for each monitoring well was taken and pH levels at all monitoring wells are within applicable SDWS.

1.2 General Chemistry

Total Dissolved Solids (TDS) levels were below the SDWS of 500 mg/l for all of the monitoring wells common for RRF & NW 58 St with the exception of NW23(60) with a concentration level of 690 mg/l. Chloride concentration levels at these wells were below the SDWS of 250 mg/l. Ammonia was detected in seven of the monitoring wells in this area with the highest concentration detected at NW23(60) with a concentration of 1.6 mg/l.

1.3 Metals

Four monitoring well in this area had Iron levels above the SDWS of 300 ug/l. The Iron concentration for wells NW23(60), RR17(20), RR17(60), and RR19(60), were between 483 ug/l and 1150 ug/l. All other metals in this area were below the applicable regulatory limits.

1.4 Organic Compounds

All volatile organic compounds (VOCs) were below their respective primary or secondary standards in accordance with Chapter 62-550, F.A.C. For VOCs not regulated under Chapter 62-550, F.A.C., the results were compared to the Groundwater Clean-up Target Levels (GCTL) referenced in Chapter 62-777, F.A.C. The results for these VOCs were below their respective GCTL.

VII. DISCUSSION

For the General and Field Parameters most wells were found to be in compliance with the Drinking Water Standards (FAC 62-550) except for TDS. TDS levels were above SDWS for five monitoring wells at RRF. There were eight wells at the 58 St landfill that has lower pH levels than the drinking water standards.

Ammonia was detected in most monitoring wells sampled. The highest Ammonia concentration was reported at RR5(60) with a concentration of 3.7 mg/l. Monitoring wells which had the presence of Ammonia were not resampled.

Iron was detected with concentrations above the SDWS in ten monitoring wells at the RRF, thirteen monitoring wells at N.W. 58th St, and four monitoring wells in common to RRF and N.W. 58th St. The highest Iron concentration was reported at M4(15) with 12700 ug/l. The Biscayne Aquifer has naturally occurring concentration of iron, which results in abnormally high background levels in the area. Monitoring wells which had the presence of Iron were not resampled.

Sodium was detected with concentrations above the SDWS in one monitoring well at RRF. Sodium concentration was reported at RR5(60) with 391ug/l.

All other parameters tested at RRF and N.W. 58th Street sites were within the PDWS and SDWS referenced in Chapter 62-550, F.A.C.



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 RRF/NW 58th Street Landfill
Address 8831 NW 58 ST
City MIAMI Zip 33178 County MIAMI DADE
Telephone Number (305) 514-6678
(2) WACS Facility ID 56819
(3) DEP Permit Number 065435-006-SF
(4) Authorized Representative's Name MARIO PORCELLI Title ENV. AFFAIRS MANAGER
Address 2525 N.W. 62ND STREET, 5TH FLOOR
City MIAMI Zip 33147 County MIAMI DADE
Telephone Number (305) 514-6678
Email address (if available) MARIO.PORCELLI@MIAMIDADE.GOV

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.

3/13/2024

(Date)

Digitally signed by Mario Porcelli
Date: 2024.03.13 12:02:18 -04'00'

(Owner or Authorized Representative's Signature)

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization PACE ANALYTICAL SERVICES, LLC
Analytical Lab NELAC / HRS Certification # E86240
Lab Name PACE ANALYTICAL SERVICES, LLC
Address 3610 PARK CENTRAL BLVD NORTH, POMPANO BEACH, FL 33064
Phone Number (305) 514-6678
Email address (if available) Martha.Montero@PACELABS.COM

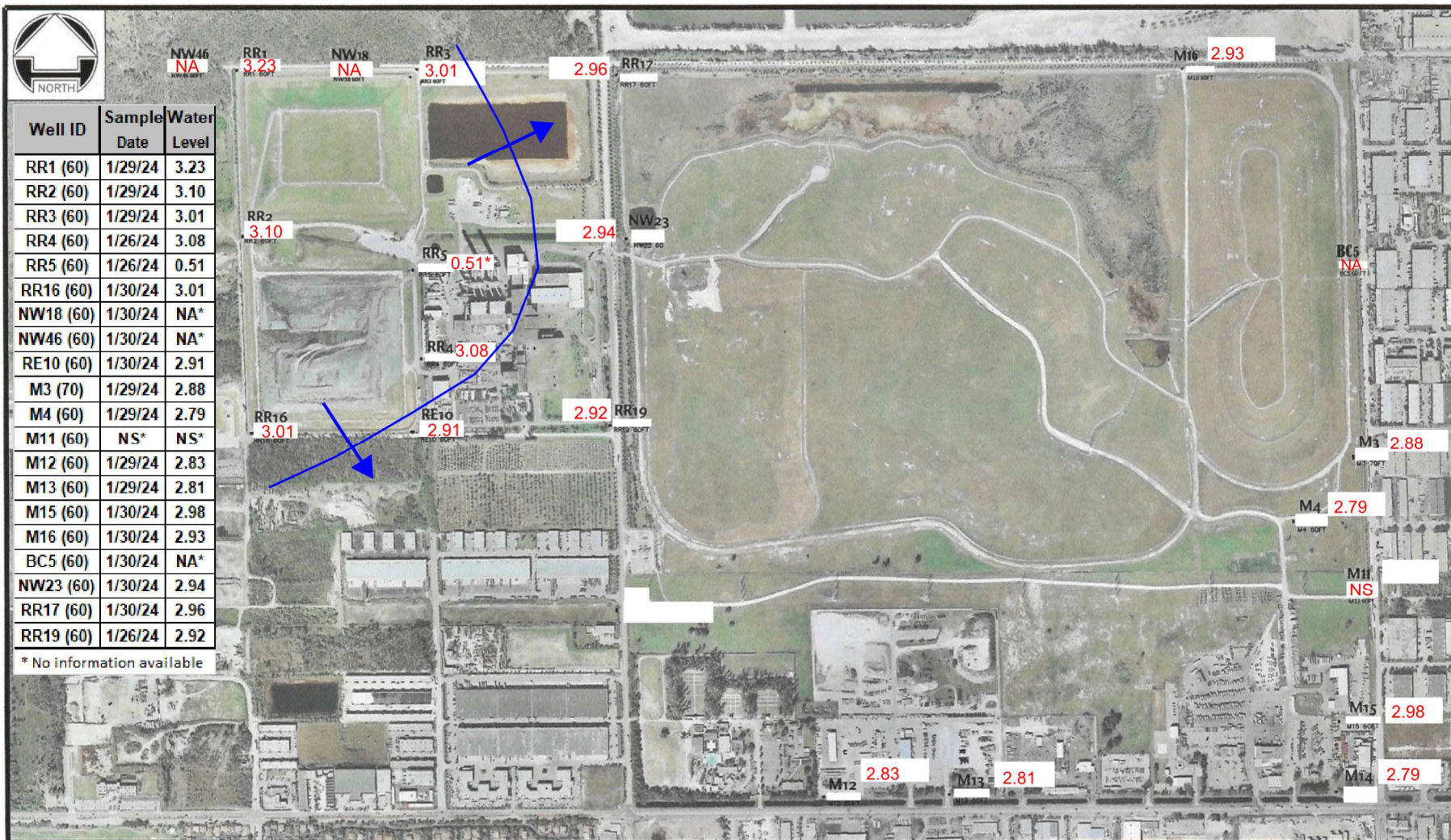
Exhibit A
RRF/N.W. 58th Street Site Plan and
Monitoring Well Location

Exhibit A

Miami Dade County Resources Recovery Facility and NW 58th St Landfill



Miami Dade County Biscayne Aquifer - Deep NW 58th St Landfill



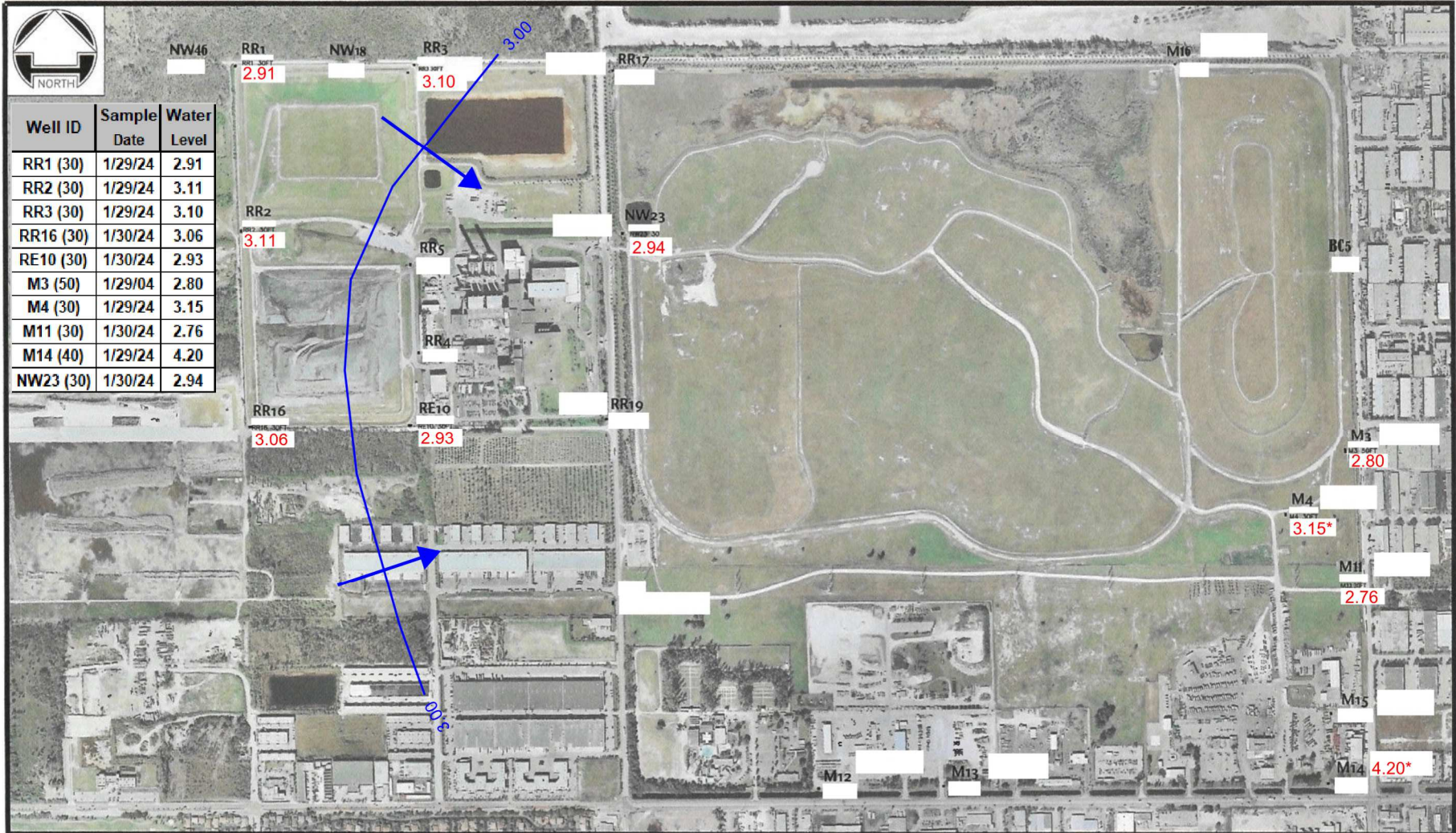
Notes:

- 3.01 - Groundwater Elevation
- 4.01* - Groundwater Elevation not used for mapping
- - Groundwater flow direction

JOHN S. CATCHES
LICENSE
No. 2203
STATE OF FLORIDA
PROFESSIONAL GEOLOGIST
3/12/2024

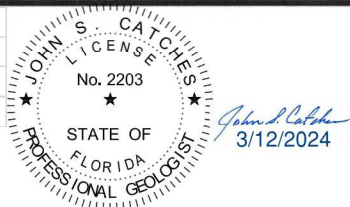
2024 First Semiannual

Miami Dade County Biscayne Aquifer - Intermediate NW 58th St Landfill



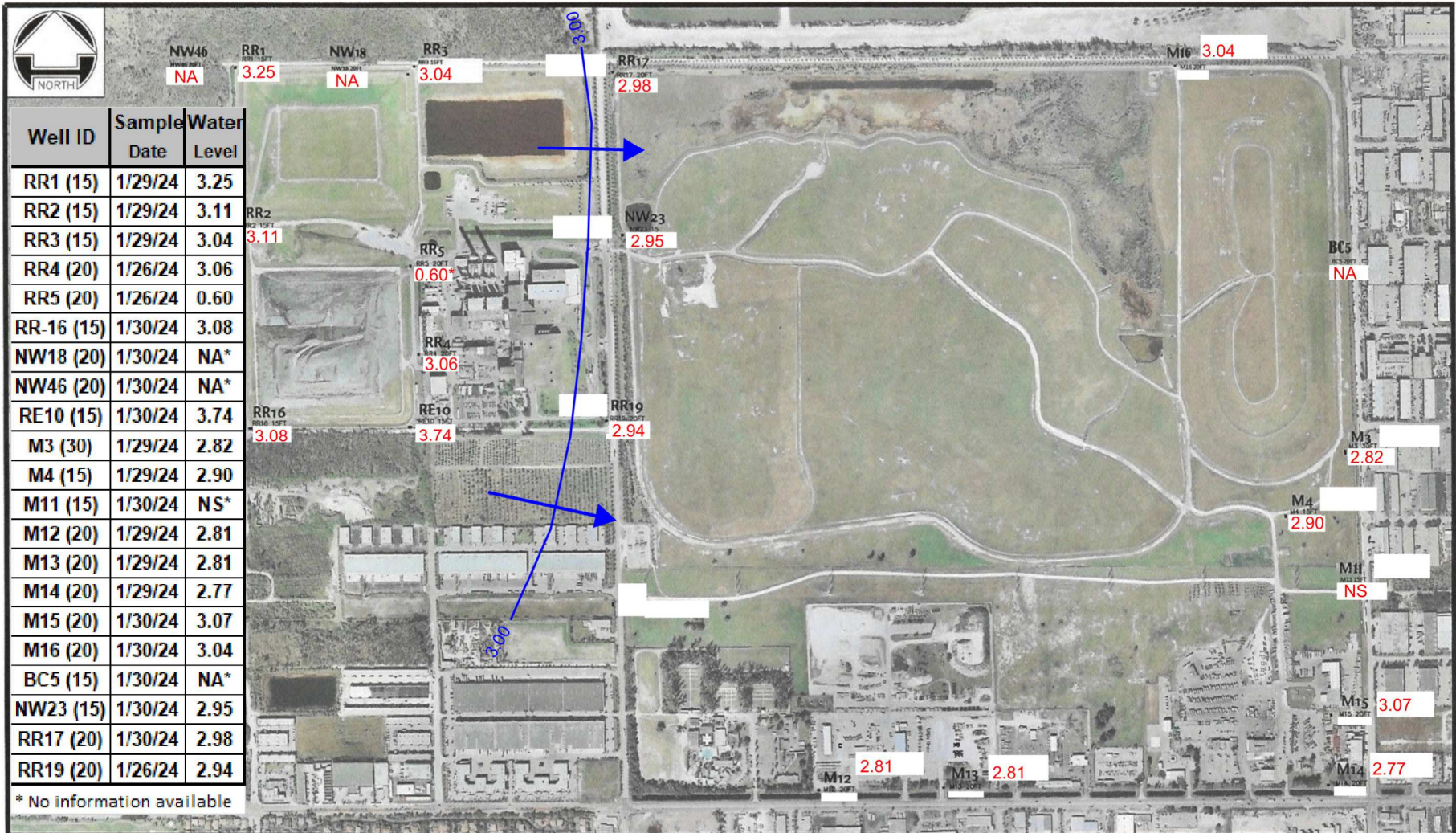
Well ID	Sample Date	Water Level
RR1 (30)	1/29/24	2.91
RR2 (30)	1/29/24	3.11
RR3 (30)	1/29/24	3.10
RR16 (30)	1/30/24	3.06
RE10 (30)	1/30/24	2.93
M3 (50)	1/29/04	2.80
M4 (30)	1/29/24	3.15
M11 (30)	1/30/24	2.76
M14 (40)	1/29/24	4.20
NW23 (30)	1/30/24	2.94

Notes:	
3.01	- Groundwater Elevation
4.01*	- Groundwater Elevation not used for mapping
→	- Groundwater flow direction



2024 First Semiannual

Miami Dade County Biscayne Aquifer - Shallow NW 58th St Landfill



Notes:

3.01 - Groundwater Elevation

4.01* - Groundwater Elevation not used for mapping

→ - Groundwater flow direction



John S. Catches
3/12/2024

2024 First Semiannual

Table 1
Resources Recovery Facility

Table 1
Resources Recovery Facility
2024 - First
Semiannual Water Quality Monitoring Report

GROUNDWATER MONITORING
FIELD PARAMETERS

Well	Sampling Date	PVC Elev. (Ft)	Level Reading	Water Level	Turbidity NTU	D. O. mg/l	pH S.U.	S. Cond. us/cm	Temp. Deg. C
HISTORIC WELLS									
RR1 (15)	1/29/2024	13.30	10.05	3.25	0.65	0.03	7.41	635	25.0
RR1 (30)	1/29/2024	13.21	10.30	2.91	0.75	0.03	7.50	473	25.4
RR1 (60)	1/29/2024	13.15	9.92	3.23	0.54	0.11	7.40	561	24.9
RR2 (15)	1/29/2024	13.30	10.19	3.11	1.39	0.39	7.45	758	25.0
RR2 (30)	1/29/2024	13.21	10.10	3.11	0.27	0.09	7.45	555	24.6
RR2 (60)	1/29/2024	13.15	10.05	3.10	0.27	0.04	7.20	1657	24.3
RR3 (15)	1/29/2024	10.88	7.84	3.04	0.39	0.36	7.60	555	25.5
RR3 (30)	1/29/2024	15.91	12.81	3.10	0.40	0.53	7.50	578	25.6
RR3 (60)	1/29/2024	10.97	7.96	3.01	0.31	0.16	7.43	653	25.4
RR4 (20)	1/26/2024	13.46	10.40	3.06	0.55	0.20	7.03	1350	27.9
RR4 (60)	1/26/2024	13.34	10.26	3.08	0.28	0.05	7.13	1622	27.4
RR5 (20)	1/26/2024	11.46	10.86	0.60	0.80	0.10	7.04	1616	27.0
RR5 (60)	1/26/2024	11.61	11.10	0.51	10.00	0.25	7.17	3292	27.1
RR-16 (15)	1/30/2024	13.58	10.50	3.08	0.38	0.17	7.30	506	25.1
RR-16 (30)	1/30/2024	13.57	10.51	3.06	0.33	0.10	7.07	647	25.4
RR-16 (60)	1/30/2024	13.33	10.32	3.01	0.38	0.06	7.32	530	24.8
NW 18(20)	1/30/2024	NA	5.42	NA	0.48	0.48	7.30	480	26.4
NW 18(60)	1/30/2024	NA	5.35	NA	0.34	1.35	7.20	594	26.2
NW 46(20)	1/30/2024	NA	5.29	NA	0.30	1.01	7.30	469	25.7
NW 46(60)	1/30/2024	NA	5.26	NA	0.40	1.34	7.30	534	25.3
RE 10 (15)	1/30/2024	10.77	7.03	3.74	0.47	0.03	7.27	701	23.9
RE 10 (30)	1/30/2024	10.84	7.91	2.93	0.25	0.15	7.25	765	25.0
RE 10 (60)	1/30/2024	10.77	7.86	2.91	0.23	0.08	7.25	667	24.8
MCL's							6.5-8.5 S.U. SDWS		

PDWS= Primary Drinking Water Standard

SDWS= Secondary Drink Water Standard

GCTL= Groundwater Cleanup Target Level

Table 1
Resources Recovery Facility
2024 - First

GROUNDWATER MONITORING
GENERAL CHEMISTRY

Semiannual Water Quality Monitoring Report

Well	Sampling Date	Chloride mg/l	NO3-N mg/l	NH3-N mg/l	TKN mg/l	TON mg/l	COD mg/l	TOC mg/l	TDS mg/l	Alkalinity mg/l
HISTORIC WELLS										
RR1 (15)	1/29/2024	42.7	<0.025	1.3	1.5	0.20 U	29.2	8.1	361	246
RR1 (30)	1/29/2024	25.6	<0.025	1.00	1.2	0.21 I	24.4	9.0	259	200
RR1 (60)	1/29/2024	43.7	0.032 I	0.96	1.2	0.27 I	34.0	10.7	305	212
RR2 (15)	1/29/2024	90.3	<0.025	0.88	1.1	0.20 U	31.8	7.5	385	210
RR2 (30)	1/29/2024	46.1	<0.025	0.80	1.1	0.31 I	28.1	9.1	298	209
RR2 (60)	1/29/2024	384	<0.025	1.8	1.8	0.20 U	75.4	10	922	201
RR3 (15)	1/29/2024	42.7	0.072	0.65	1.0	0.30 I	25.5	7.3	293	209
RR3 (30)	1/29/2024	36.8	0.082	0.95	1.2	0.24 I	28.1	8.3	316	236
RR3 (60)	1/29/2024	60.9	0.031 I	1.2	1.5	0.28 I	42.8	12.8	372	243
RR4 (20)	1/26/2024	205	<0.025	1.8	1.9	0.20 U	40.3	8.6	756	258
RR4 (60)	1/26/2024	356	<0.025	1.8	1.8	0.20 U	45.1	9.3	958	203
RR5 (20)	1/26/2024	316	<0.025	2.4	2.2	0.20 U	43.4	8.7	862	213
RR5 (60)	1/26/2024	877	<0.025	3.7	3.2	0.20 U	63.6	9.4	1650	208
RR-16 (15)	1/30/2024	30.6	<0.025	0.75	0.77	0.20 U	19.9 I	5.8	269	208
RR-16 (30)	1/30/2024	35.1	<0.025	3.1	2.8	0.20 U	31.5	10.3	351	283
RR-16 (60)	1/30/2024	39.5	<0.025	0.93	1.2	0.25 I	27.5	9.6	297	206
NW 18(20)	1/30/2024	27.3	<0.025	0.75	1.5	0.77	24.1	7.3	275	198
NW 18(60)	1/30/2024	51.6	<0.025	1.1	1.9	0.82	36.6	11.7	335	224
NW 46(20)	1/30/2024	25.8	<0.025	0.99	1.2	0.23 I	29.5	9.1	284	200
NW 46(60)	1/30/2024	41.7	<0.025	0.83	1.7	0.84	33.8	10.2	337	204
RE 10 (15)	1/30/2024	92.5	<0.025	0.98	1.2	0.20 U	26.1	7.1	389	216
RE 10 (30)	1/30/2024	106	0.026 I	0.97	1.1	0.20 U	28.4	7.8	432	216
RE 10 (60)	1/30/2024	75.0	<0.025	1.0	1.2	0.20 U	29.2	9.5	370	217
MCL's		250 mg/l SDWS	10 mg/l PDWS						500 mg/l SDWS	

PDWS= Primary Drinking Water Standard

SDWS= Secondary Drink Water Standard

GCTL= Groundwater Cleanup Target Level

Table 1
Resources Recovery Facility
2024 - First
Semiannual Water Quality Monitoring Report

GROUNDWATER MONITORING
METALS

Well	Sampling Date	Sb ug/l	As ug/l	Ba ug/l	Be ug/l	Cd ug/l	Cr ug/l	Co ug/l	Cu ug/l
HISTORIC WELLS									
RR1 (15)	1/29/2024	<0.50	<0.50	21.3	<0.17	<0.33	<1.7	<0.96	<2.6
RR1 (30)	1/29/2024	<0.50	<0.50	15.8	<0.17	<0.33	<1.7	<0.96	<2.6
RR1 (60)	1/29/2024	<0.50	0.53 l	13.8	<0.17	<0.33	<1.7	<0.96	<2.6
RR2 (15)	1/29/2024	<0.50	<0.50	39.9	<0.17	<0.33	<1.7	<0.96	<2.6
RR2 (30)	1/29/2024	<0.50	<0.50	17.6	<0.17	<0.33	<1.7	<0.96	<2.6
RR2 (60)	1/29/2024	<0.50	0.58 l	61.4	<0.17	<0.33	<1.7	<0.96	<2.6
RR3 (15)	1/29/2024	<0.50	0.71 l	21.5	<0.17	<0.33	<1.7	<0.96	<2.6
RR3 (30)	1/29/2024	<0.50	<0.50	21.5	<0.17	<0.33	<1.7	<0.96	<2.6
RR3 (60)	1/29/2024	<0.50	0.58 l	17.2	<0.17	<0.33	<1.7	<0.96	<2.6
RR4 (20)	1/26/2024	<0.50	<0.50	72.00	<0.17	<0.33	<1.7	<0.96	<2.6
RR4 (60)	1/26/2024	<0.50	0.54 l	58.9	<0.17	<0.33	<1.7	<0.96	<2.6
RR5 (20)	1/26/2024	<0.50	<0.50	76.5	<0.17	<0.33	<1.7	<0.96	<2.6
RR5 (60)	1/26/2024	<0.50	0.55 l	144.0	<0.17	<0.33	<1.7	0.98 l	<2.6
RR-16 (15)	1/30/2024	<0.50	<0.50	20.7	<0.17	<0.33	<1.7	<0.96	<2.6
RR-16 (30)	1/30/2024	<0.50	0.71 l	30.4	<0.17	<0.33	<1.7	<0.96	<2.6
RR-16 (60)	1/30/2024	<0.50	0.63 l	14.6	<0.17	<0.33	<1.7	<0.96	<2.6
NW 18(20)	1/30/2024	<0.50	<0.50	19.7	<0.17	<0.33	<1.7	<0.96	<2.6
NW 18(60)	1/30/2024	<0.50	2	20.1	<0.17	<0.33	<1.7	<0.96	<2.6
NW 46(20)	1/30/2024	<0.50	<0.50	18.9	<0.17	<0.33	<1.7	<0.96	<2.6
NW 46(60)	1/30/2024	<0.50	0.88 l	23.9	<0.17	<0.33	<1.7	<0.96	<2.6
RE 10 (15)	1/30/2024	<0.50	<0.50	26.5	<0.17	<0.33	3.9 l	<0.96	<2.6
RE 10 (30)	1/30/2024	<0.50	<0.50	28.4	<0.17	<0.33	<1.7	<0.96	<2.6
RE 10 (60)	1/30/2024	<0.50	<0.50	21.4	<0.17	<0.33	<1.7	<0.96	<2.6
MCL's		6.0 ug/l PDWS	10.0 ug/l PDWS	2000 ug/l PDWS	4.0 ug/l PDWS	5.0 ug/l PDWS	100 ug/l PDWS	140 ug/l GCTL	1000 ug/l SDWS

PDWS= Primary Drinking Water Standard

SDWS= Secondary Drink Water Standard

GCTL= Groundwater Cleanup Target Level

Table 1
Resources Recovery Facility
2024 - First

GROUNDWATER MONITORING
METALS Cont.

Semiannual Water Quality Monitoring Report

Well	Sampling Date	Fe ug/l	Pb ug/l	Ni ug/l	Se ug/l	Ag ug/l	Na mg/l	Tl ug/l	Va ug/l	Zn ug/l	Hg ug/l
HISTORIC WELLS											
RR1 (15)	1/29/2024	126	<2.1	<1.0	<3.9	<1.0	47.0	<0.11	<1.0	<11.0	0.14 U
RR1 (30)	1/29/2024	110	<2.1	<1.0	<3.9	<1.0	21.0	<0.11	<1.0	<11.0	0.14 U
RR1 (60)	1/29/2024	488	<2.1	<1.0	<3.9	<1.0	32.8	<0.11	<1.0	<11.0	0.14 U
RR2 (15)	1/29/2024	213	<2.1	<1.0	<3.9	<1.0	42.9	<0.11	<1.0	<11.0	0.14 U
RR2 (30)	1/29/2024	303	<2.1	<1.0	<3.9	<1.0	31.3	<0.11	<1.0	<11.0	0.14 U
RR2 (60)	1/29/2024	287	<2.1	<1.0	<3.9	<1.0	146	<0.11	<1.0	<11.0	0.14 U
RR3 (15)	1/29/2024	38.7 l	<2.1	<1.0	<3.9	<1.0	29.2	<0.11	1.8 l	<11.0	0.14 U
RR3 (30)	1/29/2024	74.0	<2.1	1.4	<3.9	<1.0	34.3	<0.11	<1.0	<11.0	0.14 U
RR3 (60)	1/29/2024	25.0 U	<2.1	<1.0	<3.9	<1.0	35.4	<0.11	<1.0	<11.0	0.14 U
RR4 (20)	1/26/2024	25.0 U	<2.1	<1.0	<3.9	<1.0	94.2	<0.11	1.2 l	<11.0	0.14 U
RR4 (60)	1/26/2024	604	<2.1	<1.0	<3.9	<1.0	136	<0.11	1.2 l	<11.0	0.14 U
RR5 (20)	1/26/2024	46.2	<2.1	<1.0	<3.9	<1.0	135	<0.11	1.7 l	<11.0	0.14 U
RR5 (60)	1/26/2024	533	<2.1	<1.0	<3.9	<1.0	391	<0.11	1.7 l	<11.0	0.14 U
RR-16 (15)	1/30/2024	115.0	<2.1	<1.0	<3.9	<1.0	24.2	<0.11	<1.0	<11.0	0.14 U
RR-16 (30)	1/30/2024	578	<2.1	<1.0	<3.9	<1.0	25.9	<0.11	<1.0	<11.0	0.14 U
RR-16 (60)	1/30/2024	596	<2.1	<1.0	<3.9	<1.0	30.5	<0.11	<1.0	<11.0	0.14 U
NW 18(20)	1/30/2024	56.4	<2.1	<1.0	<3.9	<1.0	21.5	<0.11	<1.0	<11.0	0.14 U
NW 18(60)	1/30/2024	745	<2.1	<1.0	<3.9	<1.0	34.7	<0.11	<1.0	<11.0	0.14 U
NW 46(20)	1/30/2024	169	<2.1	<1.0	<3.9	<1.0	21.6	<0.11	<1.0	<11.0	0.14 U
NW 46(60)	1/30/2024	700	<2.1	<1.0	<3.9	<1.0	30.7	<0.11	<1.0	<11.0	0.14 U
RE 10 (15)	1/30/2024	30.6 l	<2.1	<1.0	<3.9	<1.0	52.4	<0.11	<1.0	<11.0	0.14 U
RE 10 (30)	1/30/2024	409	<2.1	<1.0	<3.9	<1.0	58.3	<0.11	<1.0	<11.0	0.14 U
RE 10 (60)	1/30/2024	734	<2.1	<1.0	<3.9	<1.0	44.4	<0.11	<1.0	<11.0	0.14 U
MCL's		300 ug/l SDWS	15 ug/l PDWS	100 ug/l PDWS	50 ug/l PDWS	100 ug/l SDWS	160 mg/l PDWS	2.0 ug/l PDWS	49 ug/l GCTL	5000 ug/l SDWS	2.0 ug/l PDWS

PDWS= Primary Drinking Water Standard

SDWS= Secondary Drink Water Standard

GCTL= Groundwater Cleanup Target Level

Table 2
N.W. 58th Street Landfill

Table 2
58th Street Landfill 2024- First
Semiannual Water Quality Monitoring Report

GROUNDWATER MONITORING
FIELD PARAMETERS

Well	Sampling Date	PVC Elev. (Ft)	Level Reading	Water Level	Turbidity	D. O. mg/l	pH S.U.	S. Cond. us/cm	Temp. Deg. C
HISTORIC WELLS									
M3(30)	1/29/2024	20.91	18.09	2.82	8.4	0.05	6.88	1055	25.2
M3(50)	1/29/2004	20.49	17.69	2.80	9.41	0.02	6.96	813	25.3
M3(70)	1/29/2024	20.92	18.04	2.88	5.64	0.02	6.93	951	25
M4(15)	1/29/2024	17.85	14.95	2.90	13.9	0.06	6.57	1148	25.1
M4(30)	1/29/2024	17.89	14.74	3.15	7.31	0.04	6.91	854	25.5
M4(60)	1/29/2024	17.76	14.97	2.79	12.8	0.06	6.88	839	25.3
M11 (15)	1/30/2024	NS	4.6	NS	1.61	0.18	6.27	954	21.5
M11 (30)	1/30/2024	7.01	4.25	2.76	1.18	0.20	6.54	934	21.6
M11 (60)	NS	NS	NS	NS	NS	NS	NS	NS	NS
M12 (20)	1/29/2024	7.65	4.84	2.81	4.69	0.19	6.48	603	24.7
M12 (60)	1/29/2024	7.63	4.8	2.83	17.50	0.22	6.84	280	24.5
M13 (20)	1/29/2024	7.39	4.58	2.81	1.26	0.16	6.30	860	23
M13 (60)	1/29/2024	7.41	4.6	2.81	17.90	0.21	6.33	835	23.4
M14 (20)	1/29/2024	7.00	4.23	2.77	0.54	0.14	6.25	1016	25.2
M14 (40)	1/29/2024	6.98	4.19	4.20	0.76	0.2	6.31	1041	25.4
M15 (20)	1/30/2024	12.99	9.92	3.07	2.33	0.19	6.27	946	25
M15 (60)	1/30/2024	13.27	10.29	2.98	1.71	0.17	6.25	933	24.3
M16 (20)	1/30/2024	17.06	14.02	3.04	9.68	0.03	7.41	424	26.2
M16 (60)	1/30/2024	17.63	14.7	2.93	7.26	0.07	6.96	1624	25.9
BC5 (15)	1/30/2024	NA	5.31	NA	12.4	0.03	7.15	601	25.1
BC5 (60)	1/30/2024	NA	4.9	NA	12.8	0.05	7.25	483	23.9
MCL's							6.5-8.5 S.U.		
							SDWS		

PDWS= Primary Drinking Water Standard
SDWS= Secondary Drink Water Standard
GCTL= Groundwater Clean-up Target Levels
NS= Not Sampled

Table 2
58th Street Landfill 2024- First
Semiannual Water Quality Monitoring Report

GROUNDWATER MONITORING
GENERAL CHEMISTRY

Well	Sampling Date	TDS mg/l	Fe ug/l	Color
HISTORIC WELLS				
M3(30)	1/29/2024	442	2210	clear
M3(50)	1/29/2004	415	1140	clear
M3(70)	1/29/2024	459	2880	clear
M4(15)	1/29/2024	459	12700	clear
M4(30)	1/29/2024	384	2130	clear
M4(60)	1/29/2024	401	1050	clear
M11 (15)	1/30/2024	495	6130	yellow
M11 (30)	1/30/2024	453	4470	yellow
M11 (60)	NS	NS	NS	NS
M12 (20)	1/29/2024	396	313	clear
M12 (60)	1/29/2024	365	776	slight yellow
M13 (20)	1/29/2024	452	1230	clear
M13 (60)	1/29/2024	441	1000	clear
M14 (20)	1/29/2024	498	1330	slight yellow
M14 (40)	1/29/2024	495	2220	slight yellow
M15 (20)	1/30/2024	466	1570	clear
M15 (60)	1/30/2024	454	1420	slight yellow
M16 (20)	1/30/2024	204	44.4	clear
M16 (60)	1/30/2024	1000	106	clear
BC5 (15)	1/30/2024	301	563	clear
BC5 (60)	1/30/2024	251	738	clear
MCL's		250 mg/l	1000 ug/l	
		SDWS	SDWS	

PDWS= Primary Drinking Water Standard
SDWS= Secondary Drink Water Standard
GCTL= Groundwater Clean-up Target Levels
NS= Not Sampled

Table 3
Well Clusters Common to RRF
and N.W. 58th Street

Table 3
Well Cluster Common to RRF and 58th Street 2024
First Semiannual Water Quality Monitoring Report

GROUNDWATER MONITORING
FIELD PARAMETERS

Well	Sampling Date	PVC Elev. (Ft)	Level Reading	Water Level	Turbidity NTU	D. O. mg/l	pH S.U.	S. Cond. us/cm	Temp. Deg. C
HISTORIC WELLS									
NW23 (15)	1/30/2024	9.95	7.00	2.95	0.81	0.27	7.40	445	24.2
NW23 (30)	1/30/2024	8.78	5.84	2.94	0.36	0.41	7.30	742	25.4
NW23 (60)	1/30/2024	9.24	6.30	2.94	0.54	0.60	7.22	1152	24.8
RR17 (20)	1/30/2024	7.64	4.66	2.98	0.29	0.20	7.29	517	26.0
RR17 (60)	1/30/2024	8.88	5.92	2.96	0.48	0.32	7.20	621	25.0
RR19 (20)	1/26/2024	10.50	7.56	2.94	0.09	0.06	6.97	752	26.1
RR19 (60)	1/26/2024	10.58	7.66	2.92	0.19	0.14	7.04	719	26.0
MCL's							6.5-8.5 S.U. SDWS		

PDWS= Primary Drinking Water Standard
SDWS= Secondary Drink Water Standard
GCTL= Groundwater Cleanup Target Level
NS= Not sampled

Table 3
Well Cluster Common to RRF and 58th Street 2024
First Semiannual Water Quality Monitoring Report

GROUNDWATER MONITORING
GENERAL CHEMISTRY

Well	Sampling Date	Chloride mg/l	N03 mg/l	NH3-N mg/l	TKN mg/l	TON mg/l	COD	TOC	TDS mg/l	Alkalinity
HISTORIC WELLS										
NW23 (15)	1/30/2024	32.2	<0.025	0.39	0.8	0.40 I	27.5	7.1	276	191
NW23 (30)	1/30/2024	92.4	<0.025	1.40	1.5	0.20 U	32.3	10.4	415	232
NW23 (60)	1/30/2024	41.4	<0.025	1.60	1.7	0.20 U	41.4	10.4	690	194
RR17 (20)	1/30/2024	34.0	0.071	0.76	0.97	0.21 I	25.3	7.7	308	206
RR17 (60)	1/30/2024	50.0	<0.025	1.10	1.4	0.31 I	39.1	13.4	343	241
RR19 (20)	1/26/2024	96.5	<0.025	1.30	1.4	0.20 U	35.2	7.7	398	222
RR19 (60)	1/26/2024	81.9	<0.025	1.20	1.4	0.22 I	41.7	11.2	387	234
MCL's		250 mg/l SDWS	10 mg/l PDWS						500 mg/l SDWS	

PDWS= Primary Drinking Water Standard
SDWS= Secondary Drink Water Standard
GCTL= Groundwater Cleanup Target Level
NS= Not sampled

Table 3
Well Cluster Common to RRF and 58th Street 2024
First Semiannual Water Quality Monitoring Report

GROUNDWATER MONITORING
METALS

Well	Sampling Date	Sb ug/l	As ug/l	Ba ug/l	Be ug/l	Cd ug/l	Cr ug/l	Co ug/l	Cu ug/l
HISTORIC WELLS									
NW23 (15)	1/30/2024	<0.50	0.79 l	20.1	<0.17	<0.33	<1.7	<0.96	<2.6
NW23 (30)	1/30/2024	<0.50	<0.50	37.7	<0.17	<0.33	<1.7	<0.96	<2.6
NW23 (60)	1/30/2024	<0.50	0.70 l	55.5	<0.17	<0.33	<1.7	2.8 l	<2.6
RR17 (20)	1/30/2024	<0.50	<0.50	20.1	<0.17	<0.33	<1.7	<0.96	<2.6
RR17 (60)	1/30/2024	<0.50	1.1	19	<0.17	<0.33	<1.7	<0.96	<2.6
RR19 (20)	1/26/2024	<0.50	<0.50	29.3	<0.17	<0.33	<1.7	<0.96	<2.6
RR19 (60)	1/26/2024	<0.50	<0.50	28.3	<0.17	<0.33	<1.7	<0.96	<2.6
MCL's		6.0 ug/l PDWS	10.0 ug/l PDWS	2000 ug/l PDWS	4.0 ug/l PDWS	5.0 ug/l PDWS	100 ug/l PDWS	140 ug/l GCTL	1000 ug/l SDWS

PDWS= Primary Drinking Water Standard
SDWS= Secondary Drink Water Standard
GCTL= Groundwater Cleanup Target Level
NS= Not sampled

Table 3
Well Cluster Common to RRF and 58th Street 2024
First Semiannual Water Quality Monitoring Report

GROUNDWATER MONITORING
METALS Cont.

Well	Sampling Date	Fe ug/l	Pb ug/l	Ni ug/l	Se ug/l	Ag ug/l	Na mg/l	Tl ug/l	Va ug/l	Zn ug/l	Hg ug/l
HISTORIC WELLS											
NW23 (15)	1/30/2024	59.1	<2.1	1.3	<3.9	<1.0	21.1	<0.11	<1.0	<11.0	0.14 U
NW23 (30)	1/30/2024	109	<2.1	<1.0	<3.9	<1.0	60.5	<0.11	<1.0	<11.0	0.14 U
NW23 (60)	1/30/2024	1150	<2.1	<1.0	<3.9	<1.0	104.0	<0.11	<1.0	<11.0	0.14 U
RR17 (20)	1/30/2024	483	<2.1	<1.0	<3.9	<1.0	25.2	<0.11	<1.0	<11.0	0.14 U
RR17 (60)	1/30/2024	1010	<2.1	<1.0	<3.9	<1.0	33.1	<0.11	<1.0	<11.0	0.14 U
RR19 (20)	1/26/2024	101	<2.1	<1.0	<3.9	<1.0	46.2	<0.11	1.5 l	<11.0	0.14 U
RR19 (60)	1/26/2024	806	<2.1	<1.0	<3.9	<1.0	40.1	<0.11	1.3 l	<11.0	0.21
MCL's		300 ug/l SDWS	15 ug/l PDWS	100 ug/l PDWS	50 ug/l PDWS	100 ug/l SDWS	160 mg/l PDWS	2.0 ug/l PDWS	49 ug/l GCTL	5000 ug/l SDWS	2.0 ug/l PDWS

PDWS= Primary Drinking Water Standard
SDWS= Secondary Drink Water Standard
GCTL= Groundwater Cleanup Target Level
NS= Not sampled



February 12, 2024

Mario Porcelli
Miami-Dade Department of Solid Waste
Management
2525 NW 62
5th floor
Miami, FL 33147

RE: Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on January 26, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach

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

Sincerely,

Rossy Guima
rossy.guima@pacelabs.com
954-582-4300
Project Manager

Enclosures

cc: Robert Graessel, Miami-Dade Department of Solid Waste
Management
Arellys Roman, Miami-Dade Department of Solid Waste
Management



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
California Certification# 3096
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
DoD-ANAB #:ADE-3199
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
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
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35856493001	RR19 (60)	Water	01/26/24 09:13	01/26/24 18:30
35856493002	RR19 (20)	Water	01/26/24 09:47	01/26/24 18:30
35856493003	RR5 (60)	Water	01/26/24 11:14	01/26/24 18:30
35856493004	RR5 (20)	Water	01/26/24 11:42	01/26/24 18:30
35856493005	RR4 (60)	Water	01/26/24 12:57	01/26/24 18:30
35856493006	RR4 (60) DUPLICATE	Water	01/26/24 12:57	01/26/24 18:30
35856493007	RR4 (20)	Water	01/26/24 13:37	01/26/24 18:30
35856493008	EQ BLANK 012624	Water	01/26/24 13:53	01/26/24 18:30

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35856493001	RR19 (60)	EPA 8011	SAM1	2	PASI-O
		EPA 6010	TMA	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	AGS	1	PASI-O
		EPA 300.0	VAG	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
35856493002	RR19 (20)	EPA 8011	SAM1	2	PASI-O
		EPA 6010	TMA	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	AGS	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
35856493003	RR5 (60)	EPA 8011	SAM1	2	PASI-O
		EPA 6010	KC2, TMA	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	WW1	1	PASI-O
		TKN-NH3 Calculation	AGS	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35856493004	RR5 (20)	EPA 350.1	KW1	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
		EPA 6010	TMA	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4, AST	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	WW1	1	PASI-O
		TKN-NH3 Calculation	AGS	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	KW1	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	KW1	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
35856493005	RR4 (60)	EPA 8011	SAM1	2	PASI-O
		EPA 6010	TMA	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AS4	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	WW1	1	PASI-O
		TKN-NH3 Calculation	AGS	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	KW1	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	KW1	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
35856493006	RR4 (60) DUPLICATE	EPA 8011	SAM1	2	PASI-O
		EPA 6010	TMA	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35856493007	RR4 (20)	EPA 8260	AS4	49	PASI-O
		SM 2320B	SAH	1	PASI-O
		SM 2540C	WW1	1	PASI-O
		TKN-NH3 Calculation	AGS	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	KW1	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	KW1	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
		EPA 6010	TMA	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	49	PASI-O
		SM 2320B	SAH	1	PASI-O
		SM 2540C	WW1	1	PASI-O
		TKN-NH3 Calculation	AGS	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	KW1	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	KW1	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
35856493008	EQ BLANK 012624	EPA 8011	SAM1	2	PASI-O
		EPA 6010	TMA	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	49	PASI-O
		SM 2320B	SAH	1	PASI-O
		SM 2540C	WW1	1	PASI-O
		TKN-NH3 Calculation	AGS	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	KW1	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	KW1	2	PASI-O
		EPA 410.4	EAD	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 5310B	EAD	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR19 (60) Lab ID: 35856493001 Collected: 01/26/24 09:13 Received: 01/26/24 18:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Ormond Beach									
Field pH	7.04	Std. Units			1		01/26/24 09:13		
Field Temperature	26.0	deg C			1		01/26/24 09:13		
Field Specific Conductance	719	umhos/cm			1		01/26/24 09:13		
Oxygen, Dissolved	0.14	mg/L			1		01/26/24 09:13	7782-44-7	
Turbidity	0.19	NTU			1		01/26/24 09:13		
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	01/28/24 11:09	01/29/24 05:10	96-12-8	
1,2-Dibromoethane (EDB)	0.0078 U	ug/L	0.010	0.0078	1	01/28/24 11:09	01/29/24 05:10	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach									
Barium	28.3	ug/L	10.0	0.84	1	01/29/24 10:07	02/01/24 13:33	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/29/24 10:07	02/01/24 13:33	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/29/24 10:07	02/01/24 13:33	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/29/24 10:07	02/01/24 13:33	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/29/24 10:07	02/01/24 13:33	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/29/24 10:07	02/01/24 13:33	7440-50-8	
Iron	806	ug/L	40.0	25.0	1	01/29/24 10:07	02/01/24 13:33	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/29/24 10:07	02/01/24 13:33	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/29/24 10:07	02/01/24 13:33	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/29/24 10:07	02/01/24 13:33	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/29/24 10:07	02/01/24 13:33	7440-22-4	
Sodium	40.1	mg/L	2.0	0.54	1	01/29/24 10:07	02/01/24 13:33	7440-23-5	
Vanadium	1.3 I	ug/L	10.0	1.0	1	01/29/24 10:07	02/01/24 13:33	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/29/24 10:07	02/01/24 13:33	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	01/29/24 10:07	01/30/24 16:44	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/29/24 10:07	01/30/24 16:44	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/29/24 10:07	01/30/24 16:44	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach									
Mercury	0.21	ug/L	0.20	0.14	1	02/06/24 07:09	02/06/24 12:42	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach									
Acetone	8.7 U	ug/L	25.0	8.7	1		01/30/24 03:01	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		01/30/24 03:01	107-13-1	
Benzene	0.44 I	ug/L	1.0	0.30	1		01/30/24 03:01	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		01/30/24 03:01	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR19 (60) Lab ID: 35856493001 Collected: 01/26/24 09:13 Received: 01/26/24 18:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		01/30/24 03:01	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		01/30/24 03:01	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		01/30/24 03:01	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		01/30/24 03:01	78-93-3	J(v2)
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		01/30/24 03:01	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		01/30/24 03:01	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		01/30/24 03:01	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		01/30/24 03:01	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		01/30/24 03:01	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		01/30/24 03:01	74-87-3	J(v2)
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		01/30/24 03:01	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		01/30/24 03:01	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		01/30/24 03:01	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		01/30/24 03:01	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		01/30/24 03:01	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		01/30/24 03:01	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		01/30/24 03:01	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		01/30/24 03:01	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		01/30/24 03:01	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		01/30/24 03:01	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		01/30/24 03:01	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		01/30/24 03:01	10061-02-6	
Ethylbenzene	0.37 I	ug/L	1.0	0.30	1		01/30/24 03:01	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		01/30/24 03:01	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		01/30/24 03:01	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		01/30/24 03:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		01/30/24 03:01	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		01/30/24 03:01	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		01/30/24 03:01	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		01/30/24 03:01	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		01/30/24 03:01	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		01/30/24 03:01	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/30/24 03:01	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/30/24 03:01	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		01/30/24 03:01	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		01/30/24 03:01	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		01/30/24 03:01	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		01/30/24 03:01	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		01/30/24 03:01	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		01/30/24 03:01	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		01/30/24 03:01	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		01/30/24 03:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/30/24 03:01	460-00-4	
Toluene-d8 (S)	105	%	70-130		1		01/30/24 03:01	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR19 (60)		Lab ID: 35856493001		Collected: 01/26/24 09:13		Received: 01/26/24 18:30		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		01/30/24 03:01	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	234	mg/L	5.0	5.0	1		01/30/24 23:08		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	387	mg/L	5.0	5.0	1		01/31/24 21:08		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.22 I	mg/L	0.50	0.20	1		02/12/24 16:21		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	81.9	mg/L	5.0	2.5	1		02/01/24 08:42	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	1.2	mg/L	0.050	0.035	1		02/02/24 21:36	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.4	mg/L	0.50	0.20	1	02/02/24 14:12	02/06/24 12:44	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/27/24 12:35		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/27/24 12:35	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	41.7	mg/L	20.0	12.5	1	01/29/24 11:20	01/31/24 15:20		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	11.2	mg/L	1.0	0.50	1		01/30/24 10:56	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR19 (20)		Lab ID: 35856493002		Collected: 01/26/24 09:47		Received: 01/26/24 18:30		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
		Pace Analytical Services - Ormond Beach							
Field pH	6.97	Std. Units			1		01/26/24 09:47		
Field Temperature	26.1	deg C			1		01/26/24 09:47		
Field Specific Conductance	752	umhos/cm			1		01/26/24 09:47		
Oxygen, Dissolved	0.06	mg/L			1		01/26/24 09:47	7782-44-7	
Turbidity	0.09	NTU			1		01/26/24 09:47		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
		Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	01/28/24 11:09	01/29/24 05:23	96-12-8	
1,2-Dibromoethane (EDB)	0.0078 U	ug/L	0.010	0.0078	1	01/28/24 11:09	01/29/24 05:23	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Barium	29.3	ug/L	10.0	0.84	1	01/29/24 10:07	02/01/24 13:37	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/29/24 10:07	02/01/24 13:37	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/29/24 10:07	02/01/24 13:37	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/29/24 10:07	02/01/24 13:37	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/29/24 10:07	02/01/24 13:37	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/29/24 10:07	02/01/24 13:37	7440-50-8	
Iron	101	ug/L	40.0	25.0	1	01/29/24 10:07	02/01/24 13:37	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/29/24 10:07	02/01/24 13:37	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/29/24 10:07	02/01/24 13:37	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/29/24 10:07	02/01/24 13:37	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/29/24 10:07	02/01/24 13:37	7440-22-4	
Sodium	46.2	mg/L	2.0	0.54	1	01/29/24 10:07	02/01/24 13:37	7440-23-5	
Vanadium	1.5 I	ug/L	10.0	1.0	1	01/29/24 10:07	02/01/24 13:37	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/29/24 10:07	02/01/24 13:37	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/29/24 10:07	01/30/24 16:46	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/29/24 10:07	01/30/24 16:46	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/29/24 10:07	01/30/24 16:46	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
		Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/06/24 07:09	02/06/24 12:44	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
		Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		01/30/24 03:23	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		01/30/24 03:23	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		01/30/24 03:23	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		01/30/24 03:23	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR19 (20) Lab ID: 35856493002 Collected: 01/26/24 09:47 Received: 01/26/24 18:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		01/30/24 03:23	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		01/30/24 03:23	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		01/30/24 03:23	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		01/30/24 03:23	78-93-3	J(v2)
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		01/30/24 03:23	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		01/30/24 03:23	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		01/30/24 03:23	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		01/30/24 03:23	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		01/30/24 03:23	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		01/30/24 03:23	74-87-3	J(v2)
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		01/30/24 03:23	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		01/30/24 03:23	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		01/30/24 03:23	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		01/30/24 03:23	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		01/30/24 03:23	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		01/30/24 03:23	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		01/30/24 03:23	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		01/30/24 03:23	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		01/30/24 03:23	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		01/30/24 03:23	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		01/30/24 03:23	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		01/30/24 03:23	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		01/30/24 03:23	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		01/30/24 03:23	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		01/30/24 03:23	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		01/30/24 03:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		01/30/24 03:23	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		01/30/24 03:23	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		01/30/24 03:23	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		01/30/24 03:23	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		01/30/24 03:23	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		01/30/24 03:23	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/30/24 03:23	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/30/24 03:23	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		01/30/24 03:23	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		01/30/24 03:23	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		01/30/24 03:23	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		01/30/24 03:23	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		01/30/24 03:23	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		01/30/24 03:23	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		01/30/24 03:23	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		01/30/24 03:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/30/24 03:23	460-00-4	
Toluene-d8 (S)	106	%	70-130		1		01/30/24 03:23	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR19 (20)		Lab ID: 35856493002		Collected: 01/26/24 09:47		Received: 01/26/24 18:30		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		01/30/24 03:23	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	222	mg/L	5.0	5.0	1		01/30/24 23:20		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	398	mg/L	5.0	5.0	1		01/31/24 21:08		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.20 U	mg/L	0.50	0.20	1		02/12/24 16:21		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	96.5	mg/L	5.0	2.5	1		01/31/24 17:26	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	1.3	mg/L	0.050	0.035	1		02/02/24 21:38	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.4	mg/L	0.50	0.20	1	02/02/24 14:12	02/06/24 12:53	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/27/24 12:39		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/27/24 12:39	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	35.2	mg/L	20.0	12.5	1	01/29/24 11:20	01/31/24 15:20		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	7.7	mg/L	1.0	0.50	1		01/30/24 20:08	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR5 (60) Lab ID: 35856493003 Collected: 01/26/24 11:14 Received: 01/26/24 18:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
		Pace Analytical Services - Ormond Beach							
Field pH	7.17	Std. Units			1		01/26/24 11:14		
Field Temperature	27.1	deg C			1		01/26/24 11:14		
Field Specific Conductance	3292	umhos/cm			1		01/26/24 11:14		
Oxygen, Dissolved	0.25	mg/L			1		01/26/24 11:14	7782-44-7	
Turbidity	0.10	NTU			1		01/26/24 11:14		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
		Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	01/28/24 11:09	01/29/24 05:35	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	01/28/24 11:09	01/29/24 05:35	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Barium	144	ug/L	10.0	0.84	1	01/29/24 10:07	02/01/24 13:45	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/29/24 10:07	02/01/24 13:45	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/29/24 10:07	02/01/24 13:45	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/29/24 10:07	02/01/24 13:45	7440-47-3	
Cobalt	0.98 I	ug/L	10.0	0.96	1	01/29/24 10:07	02/01/24 13:45	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/29/24 10:07	02/01/24 13:45	7440-50-8	
Iron	533	ug/L	40.0	25.0	1	01/29/24 10:07	02/01/24 13:45	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/29/24 10:07	02/01/24 13:45	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/29/24 10:07	02/01/24 13:45	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/29/24 10:07	02/01/24 13:45	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/29/24 10:07	02/01/24 13:45	7440-22-4	
Sodium	391	mg/L	10.0	2.7	5	01/29/24 10:07	02/02/24 00:48	7440-23-5	
Vanadium	1.7 I	ug/L	10.0	1.0	1	01/29/24 10:07	02/01/24 13:45	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/29/24 10:07	02/01/24 13:45	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/29/24 10:07	01/30/24 16:49	7440-36-0	
Arsenic	0.55 I	ug/L	1.0	0.50	1	01/29/24 10:07	01/30/24 16:49	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/29/24 10:07	01/30/24 16:49	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
		Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/06/24 07:09	02/06/24 12:46	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
		Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		01/30/24 03:46	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		01/30/24 03:46	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		01/30/24 03:46	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		01/30/24 03:46	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR5 (60) Lab ID: 35856493003 Collected: 01/26/24 11:14 Received: 01/26/24 18:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		01/30/24 03:46	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		01/30/24 03:46	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		01/30/24 03:46	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		01/30/24 03:46	78-93-3	J(v2)
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		01/30/24 03:46	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		01/30/24 03:46	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		01/30/24 03:46	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		01/30/24 03:46	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		01/30/24 03:46	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		01/30/24 03:46	74-87-3	J(v2)
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		01/30/24 03:46	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		01/30/24 03:46	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		01/30/24 03:46	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		01/30/24 03:46	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		01/30/24 03:46	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		01/30/24 03:46	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		01/30/24 03:46	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		01/30/24 03:46	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		01/30/24 03:46	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		01/30/24 03:46	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		01/30/24 03:46	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		01/30/24 03:46	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		01/30/24 03:46	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		01/30/24 03:46	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		01/30/24 03:46	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		01/30/24 03:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		01/30/24 03:46	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		01/30/24 03:46	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		01/30/24 03:46	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		01/30/24 03:46	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		01/30/24 03:46	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		01/30/24 03:46	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/30/24 03:46	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/30/24 03:46	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		01/30/24 03:46	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		01/30/24 03:46	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		01/30/24 03:46	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		01/30/24 03:46	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		01/30/24 03:46	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		01/30/24 03:46	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		01/30/24 03:46	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		01/30/24 03:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/30/24 03:46	460-00-4	
Toluene-d8 (S)	109	%	70-130		1		01/30/24 03:46	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR5 (60)		Lab ID: 35856493003		Collected: 01/26/24 11:14		Received: 01/26/24 18:30		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		01/30/24 03:46	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	208	mg/L	5.0	5.0	1		01/30/24 23:31		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	1650	mg/L	10.0	10.0	1		02/01/24 11:22		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.20 U	mg/L	0.50	0.20	1		02/12/24 16:21		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	877	mg/L	50.0	25.0	10		01/31/24 17:49	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	3.7	mg/L	0.050	0.035	1		02/03/24 16:37	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	3.2	mg/L	0.50	0.20	1	02/02/24 14:12	02/06/24 12:54	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/27/24 12:40		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/27/24 12:40	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	63.6	mg/L	40.0	25.0	1	01/29/24 11:20	01/31/24 15:20		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	9.4	mg/L	1.0	0.50	1		01/30/24 20:20	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR5 (20)		Lab ID: 35856493004		Collected: 01/26/24 11:42		Received: 01/26/24 18:30		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
		Pace Analytical Services - Ormond Beach							
Field pH	7.04	Std. Units			1		01/26/24 11:42		
Field Temperature	27.0	deg C			1		01/26/24 11:42		
Field Specific Conductance	1616	umhos/cm			1		01/26/24 11:42		
Oxygen, Dissolved	0.10	mg/L			1		01/26/24 11:42	7782-44-7	
Turbidity	0.80	NTU			1		01/26/24 11:42		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
		Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	01/28/24 11:09	01/29/24 05:47	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	01/28/24 11:09	01/29/24 05:47	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Barium	76.5	ug/L	10.0	0.84	1	01/29/24 10:07	02/01/24 13:49	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/29/24 10:07	02/01/24 13:49	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/29/24 10:07	02/01/24 13:49	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/29/24 10:07	02/01/24 13:49	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/29/24 10:07	02/01/24 13:49	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/29/24 10:07	02/01/24 13:49	7440-50-8	
Iron	46.2	ug/L	40.0	25.0	1	01/29/24 10:07	02/01/24 13:49	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/29/24 10:07	02/01/24 13:49	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/29/24 10:07	02/01/24 13:49	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/29/24 10:07	02/01/24 13:49	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/29/24 10:07	02/01/24 13:49	7440-22-4	
Sodium	135	mg/L	2.0	0.54	1	01/29/24 10:07	02/01/24 13:49	7440-23-5	
Vanadium	1.7 I	ug/L	10.0	1.0	1	01/29/24 10:07	02/01/24 13:49	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/29/24 10:07	02/01/24 13:49	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/29/24 10:07	01/30/24 16:52	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/29/24 10:07	01/30/24 16:52	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/29/24 10:07	01/30/24 16:52	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
		Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/06/24 07:09	02/06/24 12:48	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
		Pace Analytical Services - Ormond Beach							
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		01/30/24 04:31	630-20-6	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/30/24 04:31	71-55-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		01/30/24 04:31	79-34-5	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/30/24 04:31	79-00-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR5 (20) Lab ID: 35856493004 Collected: 01/26/24 11:42 Received: 01/26/24 18:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		01/30/24 04:31	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		01/30/24 04:31	75-35-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		01/30/24 04:31	96-18-4	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		01/30/24 04:31	95-50-1	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		01/30/24 04:31	78-87-5	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		01/30/24 04:31	106-46-7	
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		01/30/24 04:31	78-93-3	J(v2)
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		01/30/24 04:31	591-78-6	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		01/30/24 04:31	108-10-1	
Acetone	8.7 U	ug/L	25.0	8.7	1		01/30/24 04:31	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		01/30/24 04:31	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		01/30/24 04:31	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		01/30/24 04:31	74-97-5	
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		01/30/24 04:31	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		01/30/24 04:31	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		01/30/24 04:31	74-83-9	J(v2)
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		01/30/24 04:31	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		01/30/24 04:31	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		01/30/24 04:31	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		01/30/24 04:31	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		01/30/24 04:31	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		01/30/24 04:31	74-87-3	J(v2)
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		01/30/24 04:31	156-59-2	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		01/30/24 04:31	10061-01-5	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		01/30/24 04:31	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		01/30/24 04:31	74-95-3	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		01/30/24 04:31	100-41-4	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		01/30/24 04:31	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		01/30/24 04:31	75-09-2	
Styrene	0.26 U	ug/L	1.0	0.26	1		01/30/24 04:31	100-42-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		01/30/24 04:31	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		01/30/24 04:31	108-88-3	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		01/30/24 04:31	156-60-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		01/30/24 04:31	10061-02-6	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		01/30/24 04:31	110-57-6	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		01/30/24 04:31	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		01/30/24 04:31	75-69-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		01/30/24 04:31	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		01/30/24 04:31	75-01-4	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		01/30/24 04:31	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		01/30/24 04:31	95-47-6	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		01/30/24 04:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/28/24 15:57	460-00-4	
4-Bromofluorobenzene (S)	98	%	70-130		1		01/30/24 04:31	460-00-4	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR5 (20)		Lab ID: 35856493004		Collected: 01/26/24 11:42		Received: 01/26/24 18:30		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
Toluene-d8 (S)	106	%	70-130		1		01/30/24 04:31	2037-26-5	
Toluene-d8 (S)	97	%	70-130		1		01/28/24 15:57	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		01/28/24 15:57	2199-69-1	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		01/30/24 04:31	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO ₃	213	mg/L	5.0	5.0	1		01/30/24 23:43		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	862	mg/L	5.0	5.0	1		02/01/24 11:22		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH ₃ Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.20 U	mg/L	0.50	0.20	1		02/12/24 16:21		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	315	mg/L	50.0	25.0	10		01/31/24 18:11	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	2.4	mg/L	0.050	0.035	1		02/03/24 16:39	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	2.2	mg/L	0.50	0.20	1	02/02/24 14:12	02/06/24 12:55	7727-37-9	
353.2 Nitrogen, NO₂/NO₃ unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO ₂ plus NO ₃	0.015 U	mg/L	0.050	0.015	1		01/27/24 15:35		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/27/24 15:35	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	43.4	mg/L	20.0	12.5	1	01/29/24 11:20	01/31/24 15:20		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	8.7	mg/L	1.0	0.50	1		01/30/24 20:31	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR4 (60)		Lab ID: 35856493005		Collected: 01/26/24 12:57		Received: 01/26/24 18:30		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
		Pace Analytical Services - Ormond Beach							
Field pH	7.13	Std. Units			1		01/26/24 12:57		
Field Temperature	27.4	deg C			1		01/26/24 12:57		
Field Specific Conductance	1622	umhos/cm			1		01/26/24 12:57		
Oxygen, Dissolved	0.05	mg/L			1		01/26/24 12:57	7782-44-7	
Turbidity	0.28	NTU			1		01/26/24 12:57		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
		Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	01/28/24 11:09	01/29/24 06:00	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	01/28/24 11:09	01/29/24 06:00	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Barium	58.9	ug/L	10.0	0.84	1	01/29/24 10:07	02/01/24 15:24	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/29/24 10:07	02/01/24 15:24	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/29/24 10:07	02/01/24 15:24	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/29/24 10:07	02/01/24 15:24	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/29/24 10:07	02/01/24 15:24	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/29/24 10:07	02/01/24 15:24	7440-50-8	
Iron	604	ug/L	40.0	25.0	1	01/29/24 10:07	02/01/24 15:24	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/29/24 10:07	02/01/24 15:24	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/29/24 10:07	02/01/24 15:24	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/29/24 10:07	02/01/24 15:24	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/29/24 10:07	02/01/24 15:24	7440-22-4	
Sodium	136	mg/L	2.0	0.54	1	01/29/24 10:07	02/01/24 15:24	7440-23-5	
Vanadium	1.2 I	ug/L	10.0	1.0	1	01/29/24 10:07	02/01/24 15:24	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/29/24 10:07	02/01/24 15:24	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/29/24 10:07	01/30/24 16:54	7440-36-0	
Arsenic	0.54 I	ug/L	1.0	0.50	1	01/29/24 10:07	01/30/24 16:54	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/29/24 10:07	01/30/24 16:54	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
		Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/06/24 07:09	02/06/24 12:51	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
		Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		01/30/24 04:54	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		01/30/24 04:54	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		01/30/24 04:54	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		01/30/24 04:54	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR4 (60) Lab ID: 35856493005 Collected: 01/26/24 12:57 Received: 01/26/24 18:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		01/30/24 04:54	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		01/30/24 04:54	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		01/30/24 04:54	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		01/30/24 04:54	78-93-3	J(v2)
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		01/30/24 04:54	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		01/30/24 04:54	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		01/30/24 04:54	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		01/30/24 04:54	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		01/30/24 04:54	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		01/30/24 04:54	74-87-3	J(v2)
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		01/30/24 04:54	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		01/30/24 04:54	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		01/30/24 04:54	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		01/30/24 04:54	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		01/30/24 04:54	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		01/30/24 04:54	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		01/30/24 04:54	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		01/30/24 04:54	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		01/30/24 04:54	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		01/30/24 04:54	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		01/30/24 04:54	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		01/30/24 04:54	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		01/30/24 04:54	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		01/30/24 04:54	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		01/30/24 04:54	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		01/30/24 04:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		01/30/24 04:54	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		01/30/24 04:54	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		01/30/24 04:54	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		01/30/24 04:54	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		01/30/24 04:54	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		01/30/24 04:54	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/30/24 04:54	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/30/24 04:54	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		01/30/24 04:54	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		01/30/24 04:54	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		01/30/24 04:54	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		01/30/24 04:54	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		01/30/24 04:54	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		01/30/24 04:54	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		01/30/24 04:54	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		01/30/24 04:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/30/24 04:54	460-00-4	
Toluene-d8 (S)	107	%	70-130		1		01/30/24 04:54	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

Sample: RR4 (60)		Lab ID: 35856493005		Collected: 01/26/24 12:57		Received: 01/26/24 18:30		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		01/30/24 04:54	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	203	mg/L	5.0	5.0	1		01/30/24 23:53		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	958	mg/L	10.0	10.0	1		02/01/24 11:22		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.20 U	mg/L	0.50	0.20	1		02/12/24 16:21		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	356	mg/L	50.0	25.0	10		01/31/24 18:34	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	1.8	mg/L	0.050	0.035	1		02/03/24 16:41	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.8	mg/L	0.50	0.20	1	02/02/24 14:12	02/06/24 12:57	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/27/24 15:38		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/27/24 15:38	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	45.1	mg/L	20.0	12.5	1	01/29/24 11:20	01/31/24 15:20		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	9.3	mg/L	1.0	0.50	1		01/30/24 21:56	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR4 (60) DUPLICATE Lab ID: 35856493006 Collected: 01/26/24 12:57 Received: 01/26/24 18:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Ormond Beach									
Field pH	7.13	Std. Units			1		01/26/24 12:57		
Field Temperature	27.4	deg C			1		01/26/24 12:57		
Field Specific Conductance	1622	umhos/cm			1		01/26/24 12:57		
Oxygen, Dissolved	0.05	mg/L			1		01/26/24 12:57	7782-44-7	
Turbidity	0.28	NTU			1		01/26/24 12:57		
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0067 U	ug/L	0.021	0.0067	1	01/28/24 11:09	01/29/24 06:12	96-12-8	
1,2-Dibromoethane (EDB)	0.0079 U	ug/L	0.010	0.0079	1	01/28/24 11:09	01/29/24 06:12	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach									
Barium	59.8	ug/L	10.0	0.84	1	01/29/24 10:07	02/01/24 15:27	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/29/24 10:07	02/01/24 15:27	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/29/24 10:07	02/01/24 15:27	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/29/24 10:07	02/01/24 15:27	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/29/24 10:07	02/01/24 15:27	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/29/24 10:07	02/01/24 15:27	7440-50-8	
Iron	624	ug/L	40.0	25.0	1	01/29/24 10:07	02/01/24 15:27	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/29/24 10:07	02/01/24 15:27	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/29/24 10:07	02/01/24 15:27	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/29/24 10:07	02/01/24 15:27	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/29/24 10:07	02/01/24 15:27	7440-22-4	
Sodium	139	mg/L	2.0	0.54	1	01/29/24 10:07	02/01/24 15:27	7440-23-5	
Vanadium	1.3 I	ug/L	10.0	1.0	1	01/29/24 10:07	02/01/24 15:27	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/29/24 10:07	02/01/24 15:27	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	01/29/24 10:07	01/30/24 16:57	7440-36-0	
Arsenic	0.55 I	ug/L	1.0	0.50	1	01/29/24 10:07	01/30/24 16:57	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/29/24 10:07	01/30/24 16:57	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach									
Mercury	0.14 U	ug/L	0.20	0.14	1	02/08/24 08:14	02/12/24 09:58	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach									
Acetone	8.7 U	ug/L	25.0	8.7	1		01/30/24 05:16	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		01/30/24 05:16	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		01/30/24 05:16	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		01/30/24 05:16	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR4 (60) DUPLICATE Lab ID: 35856493006 Collected: 01/26/24 12:57 Received: 01/26/24 18:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		01/30/24 05:16	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		01/30/24 05:16	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		01/30/24 05:16	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		01/30/24 05:16	78-93-3	J(v2)
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		01/30/24 05:16	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		01/30/24 05:16	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		01/30/24 05:16	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		01/30/24 05:16	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		01/30/24 05:16	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		01/30/24 05:16	74-87-3	J(v2)
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		01/30/24 05:16	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		01/30/24 05:16	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		01/30/24 05:16	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		01/30/24 05:16	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		01/30/24 05:16	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		01/30/24 05:16	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		01/30/24 05:16	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		01/30/24 05:16	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		01/30/24 05:16	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		01/30/24 05:16	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		01/30/24 05:16	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		01/30/24 05:16	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		01/30/24 05:16	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		01/30/24 05:16	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		01/30/24 05:16	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		01/30/24 05:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		01/30/24 05:16	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		01/30/24 05:16	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		01/30/24 05:16	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		01/30/24 05:16	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		01/30/24 05:16	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		01/30/24 05:16	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/30/24 05:16	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/30/24 05:16	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		01/30/24 05:16	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		01/30/24 05:16	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		01/30/24 05:16	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		01/30/24 05:16	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		01/30/24 05:16	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		01/30/24 05:16	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		01/30/24 05:16	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		01/30/24 05:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/30/24 05:16	460-00-4	
Toluene-d8 (S)	107	%	70-130		1		01/30/24 05:16	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR4 (60) DUPLICATE		Lab ID: 35856493006		Collected: 01/26/24 12:57		Received: 01/26/24 18:30		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		01/30/24 05:16	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	202	mg/L	5.0	5.0	1		01/31/24 14:15		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	968	mg/L	10.0	10.0	1		02/01/24 11:22		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.20 U	mg/L	0.50	0.20	1		02/12/24 16:21		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	346	mg/L	50.0	25.0	10		01/31/24 18:56	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	1.7	mg/L	0.050	0.035	1		02/03/24 16:42	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.7	mg/L	0.50	0.20	1	02/02/24 14:12	02/06/24 12:58	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/27/24 15:39		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/27/24 15:39	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	42.0	mg/L	20.0	12.5	1	01/29/24 11:20	01/31/24 15:20		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	9.5	mg/L	1.0	0.50	1		01/30/24 22:34	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR4 (20) Lab ID: 35856493007 Collected: 01/26/24 13:37 Received: 01/26/24 18:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Ormond Beach									
Field pH	7.03	Std. Units			1		01/26/24 13:37		
Field Temperature	27.9	deg C			1		01/26/24 13:37		
Field Specific Conductance	1350	umhos/cm			1		01/26/24 13:37		
Oxygen, Dissolved	0.20	mg/L			1		01/26/24 13:37	7782-44-7	
Turbidity	0.55	NTU			1		01/26/24 13:37		
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0067 U	ug/L	0.021	0.0067	1	01/28/24 11:09	01/29/24 06:37	96-12-8	
1,2-Dibromoethane (EDB)	0.0078 U	ug/L	0.010	0.0078	1	01/28/24 11:09	01/29/24 06:37	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach									
Barium	72.0	ug/L	10.0	0.84	1	01/29/24 10:07	02/01/24 15:31	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/29/24 10:07	02/01/24 15:31	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/29/24 10:07	02/01/24 15:31	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/29/24 10:07	02/01/24 15:31	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/29/24 10:07	02/01/24 15:31	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/29/24 10:07	02/01/24 15:31	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	01/29/24 10:07	02/01/24 15:31	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/29/24 10:07	02/01/24 15:31	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/29/24 10:07	02/01/24 15:31	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/29/24 10:07	02/01/24 15:31	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/29/24 10:07	02/01/24 15:31	7440-22-4	
Sodium	94.2	mg/L	2.0	0.54	1	01/29/24 10:07	02/01/24 15:31	7440-23-5	
Vanadium	1.2 I	ug/L	10.0	1.0	1	01/29/24 10:07	02/01/24 15:31	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/29/24 10:07	02/01/24 15:31	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	01/29/24 10:07	01/30/24 16:59	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/29/24 10:07	01/30/24 16:59	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/29/24 10:07	01/30/24 16:59	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach									
Mercury	0.14 U	ug/L	0.20	0.14	1	02/08/24 08:14	02/12/24 10:09	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach									
Acetone	8.7 U	ug/L	25.0	8.7	1		01/28/24 16:42	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		01/28/24 16:42	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		01/28/24 16:42	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		01/28/24 16:42	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR4 (20) Lab ID: 35856493007 Collected: 01/26/24 13:37 Received: 01/26/24 18:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		01/28/24 16:42	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		01/28/24 16:42	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		01/28/24 16:42	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		01/28/24 16:42	78-93-3	J(v2)
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		01/28/24 16:42	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		01/28/24 16:42	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		01/28/24 16:42	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		01/28/24 16:42	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		01/28/24 16:42	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		01/28/24 16:42	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		01/28/24 16:42	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		01/28/24 16:42	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		01/28/24 16:42	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		01/28/24 16:42	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		01/28/24 16:42	110-57-6	J(M1)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		01/28/24 16:42	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		01/28/24 16:42	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		01/28/24 16:42	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		01/28/24 16:42	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		01/28/24 16:42	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		01/28/24 16:42	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		01/28/24 16:42	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		01/28/24 16:42	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		01/28/24 16:42	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		01/28/24 16:42	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		01/28/24 16:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		01/28/24 16:42	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		01/28/24 16:42	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		01/28/24 16:42	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		01/28/24 16:42	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		01/28/24 16:42	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		01/28/24 16:42	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/28/24 16:42	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/28/24 16:42	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		01/28/24 16:42	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		01/28/24 16:42	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		01/28/24 16:42	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		01/28/24 16:42	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		01/28/24 16:42	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		01/28/24 16:42	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		01/28/24 16:42	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		01/28/24 16:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/28/24 16:42	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		01/28/24 16:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: RR4 (20)		Lab ID: 35856493007		Collected: 01/26/24 13:37		Received: 01/26/24 18:30		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		01/28/24 16:42	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	258	mg/L	5.0	5.0	1		01/31/24 14:38		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	756	mg/L	5.0	5.0	1		02/01/24 11:22		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.20 U	mg/L	0.50	0.20	1		02/12/24 16:21		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	205	mg/L	25.0	12.5	5		01/31/24 19:19	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	1.8	mg/L	0.050	0.035	1		02/03/24 16:44	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.9	mg/L	0.50	0.20	1	02/02/24 14:12	02/06/24 12:59	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/27/24 15:40		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/27/24 15:40	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	40.3	mg/L	20.0	12.5	1	01/29/24 11:20	01/31/24 15:20		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	8.6	mg/L	1.0	0.50	1		01/30/24 22:46	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: EQ BLANK 012624 Lab ID: 35856493008 Collected: 01/26/24 13:53 Received: 01/26/24 18:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	01/28/24 11:09	01/29/24 06:49	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	01/28/24 11:09	01/29/24 06:49	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Barium	0.84 U	ug/L	10.0	0.84	1	01/29/24 10:07	02/01/24 15:35	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/29/24 10:07	02/01/24 15:35	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/29/24 10:07	02/01/24 15:35	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/29/24 10:07	02/01/24 15:35	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/29/24 10:07	02/01/24 15:35	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/29/24 10:07	02/01/24 15:35	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	01/29/24 10:07	02/01/24 15:35	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/29/24 10:07	02/01/24 15:35	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/29/24 10:07	02/01/24 15:35	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/29/24 10:07	02/01/24 15:35	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/29/24 10:07	02/01/24 15:35	7440-22-4	
Sodium	0.54 U	mg/L	2.0	0.54	1	01/29/24 10:07	02/01/24 15:35	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/29/24 10:07	02/01/24 15:35	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/29/24 10:07	02/01/24 15:35	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	01/29/24 10:07	01/30/24 17:02	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/29/24 10:07	01/30/24 17:02	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/29/24 10:07	01/30/24 17:02	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Ormond Beach									
Mercury	0.14 U	ug/L	0.20	0.14	1	02/08/24 08:14	02/12/24 10:11	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Acetone	8.7 U	ug/L	25.0	8.7	1		01/28/24 10:00	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		01/28/24 10:00	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		01/28/24 10:00	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		01/28/24 10:00	74-97-5	
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		01/28/24 10:00	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		01/28/24 10:00	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		01/28/24 10:00	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		01/28/24 10:00	78-93-3	J(v2)
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		01/28/24 10:00	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		01/28/24 10:00	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		01/28/24 10:00	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		01/28/24 10:00	75-00-3	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: EQ BLANK 012624 Lab ID: 35856493008 Collected: 01/26/24 13:53 Received: 01/26/24 18:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Chloroform	0.56 U	ug/L	1.0	0.56	1		01/28/24 10:00	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		01/28/24 10:00	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		01/28/24 10:00	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		01/28/24 10:00	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		01/28/24 10:00	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		01/28/24 10:00	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		01/28/24 10:00	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		01/28/24 10:00	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		01/28/24 10:00	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		01/28/24 10:00	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		01/28/24 10:00	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		01/28/24 10:00	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		01/28/24 10:00	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		01/28/24 10:00	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		01/28/24 10:00	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		01/28/24 10:00	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		01/28/24 10:00	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		01/28/24 10:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		01/28/24 10:00	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		01/28/24 10:00	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		01/28/24 10:00	630-20-6	
1,1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		01/28/24 10:00	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		01/28/24 10:00	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		01/28/24 10:00	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/28/24 10:00	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/28/24 10:00	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		01/28/24 10:00	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		01/28/24 10:00	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		01/28/24 10:00	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		01/28/24 10:00	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		01/28/24 10:00	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		01/28/24 10:00	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		01/28/24 10:00	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		01/28/24 10:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/28/24 10:00	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		01/28/24 10:00	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/28/24 10:00	2199-69-1	

2320B Alkalinity

Analytical Method: SM 2320B

Pace Analytical Services - Ormond Beach

Alkalinity, Total as CaCO3	5.0 U	mg/L	5.0	5.0	1		01/31/24 14:44		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Sample: EQ BLANK 012624		Lab ID: 35856493008		Collected: 01/26/24 13:53		Received: 01/26/24 18:30		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	5.0 U	mg/L	5.0	5.0	1		02/01/24 11:22		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.20 U	mg/L	0.50	0.20	1		02/12/24 16:21		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	2.5 U	mg/L	5.0	2.5	1		01/31/24 19:41	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		02/03/24 16:49	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	0.20 U	mg/L	0.50	0.20	1	02/02/24 14:12	02/06/24 13:00	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/27/24 15:42		J(M1)
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/27/24 15:42	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	12.5 U	mg/L	20.0	12.5	1	01/29/24 11:20	01/31/24 15:20		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	0.50 U	mg/L	1.0	0.50	1		01/30/24 23:02	7440-44-0	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

QC Batch: 986673

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856493001, 35856493002, 35856493003, 35856493004, 35856493005

METHOD BLANK: 5425624

Matrix: Water

Associated Lab Samples: 35856493001, 35856493002, 35856493003, 35856493004, 35856493005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.14 U	0.20	0.14	02/06/24 13:30	

LABORATORY CONTROL SAMPLE: 5425625

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5425626 5425627

Parameter	Units	35857825004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.14 U	2	2	2.0	2.0	96	96	75-125	0	20	

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

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

QC Batch:	987371	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856493006, 35856493007, 35856493008

METHOD BLANK: 5429859 Matrix: Water
Associated Lab Samples: 35856493006, 35856493007, 35856493008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.14 U	0.20	0.14	02/12/24 09:53	

LABORATORY CONTROL SAMPLE: 5429860

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: 5429861 5429862

Parameter	Units	35856493006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.14 U	2	2	2.1	2.1	104	102	75-125	2	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

QC Batch:	984702	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856493001, 35856493002, 35856493003, 35856493004, 35856493005, 35856493006, 35856493007, 35856493008		

METHOD BLANK: 5415860 Matrix: Water
Associated Lab Samples: 35856493001, 35856493002, 35856493003, 35856493004, 35856493005, 35856493006, 35856493007, 35856493008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	02/01/24 10:52	
Beryllium	ug/L	0.17 U	4.0	0.17	02/01/24 10:52	
Cadmium	ug/L	0.33 U	1.0	0.33	02/01/24 10:52	
Chromium	ug/L	1.7 U	5.0	1.7	02/01/24 10:52	
Cobalt	ug/L	0.96 U	10.0	0.96	02/01/24 10:52	
Copper	ug/L	2.6 U	5.0	2.6	02/01/24 10:52	
Iron	ug/L	25.0 U	40.0	25.0	02/01/24 10:52	
Lead	ug/L	2.1 U	10.0	2.1	02/01/24 10:52	
Nickel	ug/L	1.0 U	5.0	1.0	02/01/24 10:52	
Selenium	ug/L	3.9 U	15.0	3.9	02/01/24 10:52	
Silver	ug/L	1.0 U	5.0	1.0	02/01/24 10:52	
Sodium	mg/L	0.54 U	2.0	0.54	02/01/24 10:52	
Vanadium	ug/L	1.0 U	10.0	1.0	02/01/24 10:52	
Zinc	ug/L	11.0 U	20.0	11.0	02/01/24 10:52	

LABORATORY CONTROL SAMPLE: 5415861

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	260	104	80-120	
Beryllium	ug/L	25	24.9	100	80-120	
Cadmium	ug/L	25	26.4	106	80-120	
Chromium	ug/L	250	255	102	80-120	
Cobalt	ug/L	250	259	104	80-120	
Copper	ug/L	250	252	101	80-120	
Iron	ug/L	2500	2580	103	80-120	
Lead	ug/L	250	262	105	80-120	
Nickel	ug/L	250	266	106	80-120	
Selenium	ug/L	250	261	105	80-120	
Silver	ug/L	25	25.6	103	80-120	
Sodium	mg/L	12.5	12.1	97	80-120	
Vanadium	ug/L	250	254	102	80-120	
Zinc	ug/L	1250	1300	104	80-120	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5415862 5415863											
Parameter	Units	35856342001		MS	MSD	MS		MS	MSD	% Rec	Max
		Result		Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD
Barium	ug/L	105		250	250	359	356	101	100	75-125	1
Beryllium	ug/L	0.24	I	25	25	26.0	25.8	103	102	75-125	1
Cadmium	ug/L	0.33	U	25	25	24.7	24.5	99	98	75-125	1
Chromium	ug/L	1.7	U	250	250	249	248	99	99	75-125	0
Cobalt	ug/L	1.4	I	250	250	252	251	100	100	75-125	1
Copper	ug/L	2.6	U	250	250	268	265	107	106	75-125	1
Iron	ug/L	526		2500	2500	2980	2970	98	98	75-125	0
Lead	ug/L	2.1	U	250	250	239	239	96	96	75-125	0
Nickel	ug/L	1.0	U	250	250	253	252	101	101	75-125	0
Selenium	ug/L	3.9	U	250	250	250	250	100	100	75-125	0
Silver	ug/L	1.0	U	25	25	27.4	27.1	109	108	75-125	1
Sodium	mg/L	1780000		12.5	12.5	1330	1330	-3630	-3650	75-125	0
	ug/L										
Vanadium	ug/L	1.0	U	250	250	256	255	102	102	75-125	0
Zinc	ug/L	11.0	U	1250	1250	1230	1230	99	98	75-125	0

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

QC Batch:	984700	Analysis Method:	EPA 6020
QC Batch Method:	EPA 3010	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856493001, 35856493002, 35856493003, 35856493004, 35856493005, 35856493006, 35856493007, 35856493008		

METHOD BLANK:	5415854	Matrix:	Water
Associated Lab Samples:	35856493001, 35856493002, 35856493003, 35856493004, 35856493005, 35856493006, 35856493007, 35856493008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	01/30/24 16:11	
Arsenic	ug/L	0.50 U	1.0	0.50	01/30/24 16:11	
Thallium	ug/L	0.11 U	1.0	0.11	01/30/24 16:11	

LABORATORY CONTROL SAMPLE: 5415855						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	47.8	96	80-120	
Arsenic	ug/L	50	51.0	102	80-120	
Thallium	ug/L	50	51.4	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5415856 5415857												
Parameter	Units	35856342002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	51.3	50.7	103	101	75-125	1	20	J(IS)
Arsenic	ug/L	1.4	50	50	36.1	36.0	69	69	75-125	0	20	J(M1)
Thallium	ug/L	0.11 U	50	50	39.2	38.7	78	77	75-125	1	20	J(IS)

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

QC Batch:	984522	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856493004, 35856493007, 35856493008

METHOD BLANK: 5415428 Matrix: Water
Associated Lab Samples: 35856493004, 35856493007, 35856493008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/28/24 08:09	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/28/24 08:09	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/28/24 08:09	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/28/24 08:09	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/28/24 08:09	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/28/24 08:09	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/28/24 08:09	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/28/24 08:09	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/28/24 08:09	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/28/24 08:09	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	01/28/24 08:09	J(v2)
2-Hexanone	ug/L	6.6 U	25.0	6.6	01/28/24 08:09	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/28/24 08:09	
Acetone	ug/L	8.7 U	25.0	8.7	01/28/24 08:09	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/28/24 08:09	
Benzene	ug/L	0.30 U	1.0	0.30	01/28/24 08:09	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/28/24 08:09	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/28/24 08:09	
Bromoform	ug/L	0.48 U	3.0	0.48	01/28/24 08:09	
Bromomethane	ug/L	3.9 U	10.0	3.9	01/28/24 08:09	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/28/24 08:09	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/28/24 08:09	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/28/24 08:09	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/28/24 08:09	
Chloroform	ug/L	0.56 U	1.0	0.56	01/28/24 08:09	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/28/24 08:09	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/28/24 08:09	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/28/24 08:09	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/28/24 08:09	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/28/24 08:09	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/28/24 08:09	
Iodomethane	ug/L	3.6 U	10.0	3.6	01/28/24 08:09	J(v2)
m&p-Xylene	ug/L	0.75 U	4.0	0.75	01/28/24 08:09	
Methylene Chloride	ug/L	1.9 I	5.0	1.7	01/28/24 08:09	
o-Xylene	ug/L	0.57 U	1.0	0.57	01/28/24 08:09	
Styrene	ug/L	0.26 U	1.0	0.26	01/28/24 08:09	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/28/24 08:09	
Toluene	ug/L	0.33 U	1.0	0.33	01/28/24 08:09	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/28/24 08:09	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/28/24 08:09	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

METHOD BLANK: 5415428

Matrix: Water

Associated Lab Samples: 35856493004, 35856493007, 35856493008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/28/24 08:09	
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/28/24 08:09	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	01/28/24 08:09	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/28/24 08:09	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/28/24 08:09	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/28/24 08:09	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130		01/28/24 08:09	
4-Bromofluorobenzene (S)	%	101	70-130		01/28/24 08:09	
Toluene-d8 (S)	%	97	70-130		01/28/24 08:09	

LABORATORY CONTROL SAMPLE: 5415429

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.7	93	70-130	
1,1,1-Trichloroethane	ug/L	20	19.6	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.4	97	68-125	
1,1,2-Trichloroethane	ug/L	20	19.4	97	70-130	
1,1-Dichloroethane	ug/L	20	20.8	104	70-130	
1,1-Dichloroethene	ug/L	20	20.2	101	66-133	
1,2,3-Trichloropropane	ug/L	20	17.2	86	62-127	
1,2-Dichlorobenzene	ug/L	20	18.3	92	70-130	
1,2-Dichloropropane	ug/L	20	18.3	92	70-130	
1,4-Dichlorobenzene	ug/L	20	19.8	99	70-130	
2-Butanone (MEK)	ug/L	100	71.4	71	47-143 J(v3)	
2-Hexanone	ug/L	100	91.0	91	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	94.7	95	57-132	
Acetone	ug/L	100	85.3	85	46-148	
Acrylonitrile	ug/L	100	101	101	60-143	
Benzene	ug/L	20	19.0	95	70-130	
Bromochloromethane	ug/L	20	17.1	85	70-130	
Bromodichloromethane	ug/L	20	20.0	100	70-130	
Bromoform	ug/L	20	18.1	91	49-126	
Bromomethane	ug/L	20	4.9 I	25	10-165 J(v3)	
Carbon disulfide	ug/L	20	18.0	90	60-141	
Carbon tetrachloride	ug/L	20	18.3	91	63-126	
Chlorobenzene	ug/L	20	20.7	104	70-130	
Chloroethane	ug/L	20	19.3	97	71-142	
Chloroform	ug/L	20	18.5	92	70-130	
Chloromethane	ug/L	20	18.7	93	40-140	
cis-1,2-Dichloroethene	ug/L	20	19.3	96	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.9	94	70-130	
Dibromochloromethane	ug/L	20	20.2	101	62-118	
Dibromomethane	ug/L	20	19.5	98	70-130	
Ethylbenzene	ug/L	20	18.9	94	70-130	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

LABORATORY CONTROL SAMPLE: 5415429

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	8.1 I	40	10-164	J(v3)
m&p-Xylene	ug/L	40	37.1	93	70-130	
Methylene Chloride	ug/L	20	20.9	105	65-136	
o-Xylene	ug/L	20	18.4	92	70-130	
Styrene	ug/L	20	19.6	98	70-130	
Tetrachloroethene	ug/L	20	19.5	98	64-134	
Toluene	ug/L	20	19.8	99	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.8	104	68-127	
trans-1,3-Dichloropropene	ug/L	20	20.9	104	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	16.7	84	42-129	
Trichloroethene	ug/L	20	19.4	97	70-130	
Trichlorofluoromethane	ug/L	20	21.5	108	65-135	
Vinyl acetate	ug/L	20	22.9	114	60-144	
Vinyl chloride	ug/L	20	21.1	105	68-131	
Xylene (Total)	ug/L	60	55.5	92	70-130	
1,2-Dichlorobenzene-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 5415431

Parameter	Units	35856493007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	18.1	90	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	19.1	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	19.6	98	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	18.7	94	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	17.5	87	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	21.6	108	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	18.2	91	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.3	87	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	18.6	93	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	17.8	89	70-130	
2-Butanone (MEK)	ug/L	6.7 U	100	89.6	90	47-143	J(v3)
2-Hexanone	ug/L	6.6 U	100	98.4	98	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	101	101	57-132	
Acetone	ug/L	8.7 U	100	102	102	46-148	
Acrylonitrile	ug/L	3.7 U	100	80.1	80	60-143	
Benzene	ug/L	0.30 U	20	19.1	96	70-130	
Bromochloromethane	ug/L	0.37 U	20	18.6	93	70-130	
Bromodichloromethane	ug/L	0.19 U	20	19.2	96	70-130	
Bromoform	ug/L	0.48 U	20	17.2	86	49-126	
Bromomethane	ug/L	3.9 U	20	6.5 I	32	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	14.7	74	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	18.0	90	63-126	
Chlorobenzene	ug/L	0.35 U	20	19.1	95	70-130	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

MATRIX SPIKE SAMPLE: 5415431

Parameter	Units	35856493007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	3.7 U	20	25.5	128	71-142	
Chloroform	ug/L	0.56 U	20	19.0	95	70-130	
Chloromethane	ug/L	0.43 U	20	23.8	119	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	20.0	100	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	17.1	85	70-130	
Dibromochloromethane	ug/L	0.45 U	20	18.8	94	62-118	
Dibromomethane	ug/L	0.68 U	20	19.9	100	70-130	
Ethylbenzene	ug/L	0.30 U	20	17.7	88	70-130	
Iodomethane	ug/L	3.6 U	20	9.7 I	49	10-164 J(v3)	
m&p-Xylene	ug/L	0.75 U	40	34.6	86	70-130	
Methylene Chloride	ug/L	1.7 U	20	20.4	102	65-136	
o-Xylene	ug/L	0.57 U	20	17.2	86	70-130	
Styrene	ug/L	0.26 U	20	18.0	90	70-130	
Tetrachloroethene	ug/L	0.38 U	20	17.6	88	64-134	
Toluene	ug/L	0.33 U	20	18.4	92	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	20.9	104	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	18.6	93	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	7.0 I	35	42-129 J(M1)	
Trichloroethene	ug/L	0.36 U	20	18.9	94	70-130	
Trichlorofluoromethane	ug/L	0.72 U	20	26.6	133	65-135	
Vinyl acetate	ug/L	1.8 U	20	19.8	99	60-144	
Vinyl chloride	ug/L	0.39 U	20	24.6	123	68-131	
Xylene (Total)	ug/L	2.1 U	60	51.8	86	70-130	
1,2-Dichlorobenzene-d4 (S)	%				97	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 5415430

Parameter	Units	35856493004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.7 U	6.7 U		40 J(v2)	
2-Hexanone	ug/L	6.6 U	6.6 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	8.7 U	8.7 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

SAMPLE DUPLICATE: 5415430

Parameter	Units	35856493004 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	J(v2)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	3.6 U	3.6 U		40	J(v2)
m&p-Xylene	ug/L	0.75 U	0.75 U		40	
Methylene Chloride	ug/L	1.7 U	1.7 U		40	
o-Xylene	ug/L	0.57 U	0.57 U		40	
Styrene	ug/L	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.72 U	0.72 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U			
1,2-Dichlorobenzene-d4 (S)	%		100		40	
4-Bromofluorobenzene (S)	%		100		40	
Toluene-d8 (S)	%		99		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

QC Batch:	984856	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856493001, 35856493002, 35856493003, 35856493004, 35856493005, 35856493006

METHOD BLANK: 5416551 Matrix: Water
Associated Lab Samples: 35856493001, 35856493002, 35856493003, 35856493004, 35856493005, 35856493006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/29/24 21:47	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/29/24 21:47	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/29/24 21:47	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/29/24 21:47	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/29/24 21:47	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/29/24 21:47	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/29/24 21:47	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/29/24 21:47	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/29/24 21:47	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/29/24 21:47	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	01/29/24 21:47	J(v2)
2-Hexanone	ug/L	6.6 U	25.0	6.6	01/29/24 21:47	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/29/24 21:47	
Acetone	ug/L	8.7 U	25.0	8.7	01/29/24 21:47	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/29/24 21:47	
Benzene	ug/L	0.30 U	1.0	0.30	01/29/24 21:47	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/29/24 21:47	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/29/24 21:47	
Bromoform	ug/L	0.48 U	3.0	0.48	01/29/24 21:47	
Bromomethane	ug/L	3.9 U	10.0	3.9	01/29/24 21:47	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/29/24 21:47	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/29/24 21:47	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/29/24 21:47	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/29/24 21:47	
Chloroform	ug/L	0.56 U	1.0	0.56	01/29/24 21:47	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/29/24 21:47	J(v2)
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/29/24 21:47	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/29/24 21:47	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/29/24 21:47	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/29/24 21:47	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/29/24 21:47	
Iodomethane	ug/L	3.6 U	10.0	3.6	01/29/24 21:47	J(v2)
m&p-Xylene	ug/L	0.75 U	4.0	0.75	01/29/24 21:47	
Methylene Chloride	ug/L	2.2 I	5.0	1.7	01/29/24 21:47	
o-Xylene	ug/L	0.57 U	1.0	0.57	01/29/24 21:47	
Styrene	ug/L	0.26 U	1.0	0.26	01/29/24 21:47	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/29/24 21:47	
Toluene	ug/L	0.33 U	1.0	0.33	01/29/24 21:47	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/29/24 21:47	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/29/24 21:47	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

METHOD BLANK: 5416551

Matrix: Water

Associated Lab Samples: 35856493001, 35856493002, 35856493003, 35856493004, 35856493005, 35856493006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/29/24 21:47	
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/29/24 21:47	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	01/29/24 21:47	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/29/24 21:47	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/29/24 21:47	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/29/24 21:47	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130		01/29/24 21:47	
4-Bromofluorobenzene (S)	%	100	70-130		01/29/24 21:47	
Toluene-d8 (S)	%	107	70-130		01/29/24 21:47	

LABORATORY CONTROL SAMPLE: 5416552

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	16.2	81	70-130	
1,1,1-Trichloroethane	ug/L	20	18.1	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.2	86	68-125	
1,1,2-Trichloroethane	ug/L	20	16.1	81	70-130	
1,1-Dichloroethane	ug/L	20	21.1	106	70-130	
1,1-Dichloroethene	ug/L	20	21.1	106	66-133	
1,2,3-Trichloropropane	ug/L	20	17.1	86	62-127	
1,2-Dichlorobenzene	ug/L	20	16.3	82	70-130	
1,2-Dichloropropane	ug/L	20	17.2	86	70-130	
1,4-Dichlorobenzene	ug/L	20	17.8	89	70-130	
2-Butanone (MEK)	ug/L	100	72.4	72	47-143 J(v3)	
2-Hexanone	ug/L	100	80.5	80	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	80.9	81	57-132	
Acetone	ug/L	100	80.4	80	46-148	
Acrylonitrile	ug/L	100	92.0	92	60-143	
Benzene	ug/L	20	17.9	89	70-130	
Bromochloromethane	ug/L	20	18.0	90	70-130	
Bromodichloromethane	ug/L	20	18.9	95	70-130	
Bromoform	ug/L	20	16.1	81	49-126	
Bromomethane	ug/L	20	14.5	72	10-165 J(v3)	
Carbon disulfide	ug/L	20	17.4	87	60-141	
Carbon tetrachloride	ug/L	20	17.1	86	63-126	
Chlorobenzene	ug/L	20	18.3	92	70-130	
Chloroethane	ug/L	20	17.0	85	71-142	
Chloroform	ug/L	20	19.7	98	70-130	
Chloromethane	ug/L	20	15.6	78	40-140 J(v3)	
cis-1,2-Dichloroethene	ug/L	20	20.0	100	70-130	
cis-1,3-Dichloropropene	ug/L	20	16.9	85	70-130	
Dibromochloromethane	ug/L	20	16.5	83	62-118	
Dibromomethane	ug/L	20	19.7	99	70-130	
Ethylbenzene	ug/L	20	17.1	85	70-130	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

LABORATORY CONTROL SAMPLE: 5416552

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	14.5	73	10-164	J(v3)
m&p-Xylene	ug/L	40	33.3	83	70-130	
Methylene Chloride	ug/L	20	19.2	96	65-136	
o-Xylene	ug/L	20	16.2	81	70-130	
Styrene	ug/L	20	17.7	88	70-130	
Tetrachloroethene	ug/L	20	17.4	87	64-134	
Toluene	ug/L	20	17.4	87	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.9	105	68-127	
trans-1,3-Dichloropropene	ug/L	20	17.3	87	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	17.5	88	42-129	
Trichloroethene	ug/L	20	17.7	88	70-130	
Trichlorofluoromethane	ug/L	20	22.7	113	65-135	
Vinyl acetate	ug/L	20	17.5	88	60-144	
Vinyl chloride	ug/L	20	17.6	88	68-131	
Xylene (Total)	ug/L	60	49.6	83	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			105	70-130	

MATRIX SPIKE SAMPLE: 5416554

Parameter	Units	35856635002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	17.2	86	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	20.4	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	18.7	94	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	17.7	89	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	24.4	122	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	24.7	123	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	16.9	84	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.5	88	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	19.0	95	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	19.0	95	70-130	
2-Butanone (MEK)	ug/L	6.7 U	100	73.0	73	47-143	J(v3)
2-Hexanone	ug/L	6.6 U	100	82.6	83	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	83.8	84	57-132	
Acetone	ug/L	8.7 U	100	79.8	80	46-148	
Acrylonitrile	ug/L	3.7 U	100	96.3	96	60-143	
Benzene	ug/L	0.30 U	20	19.2	96	70-130	
Bromochloromethane	ug/L	0.37 U	20	19.2	96	70-130	
Bromodichloromethane	ug/L	0.19 U	20	20.0	100	70-130	
Bromoform	ug/L	0.48 U	20	15.8	79	49-126	
Bromomethane	ug/L	3.9 U	20	3.9 U	16	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	18.2	91	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	19.1	95	63-126	
Chlorobenzene	ug/L	0.35 U	20	20.0	100	70-130	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

MATRIX SPIKE SAMPLE: 5416554

Parameter	Units	35856635002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	3.7 U	20	18.9	94	71-142	
Chloroform	ug/L	0.56 U	20	19.1	96	70-130	
Chloromethane	ug/L	0.43 U	20	14.3	72	40-140 J(v3)	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	20.7	103	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	17.0	85	70-130	
Dibromochloromethane	ug/L	0.45 U	20	17.4	87	62-118	
Dibromomethane	ug/L	0.68 U	20	21.7	108	70-130	
Ethylbenzene	ug/L	0.30 U	20	19.0	94	70-130	
Iodomethane	ug/L	3.6 U	20	4.9 I	25	10-164 J(v3)	
m&p-Xylene	ug/L	0.75 U	40	36.4	91	70-130	
Methylene Chloride	ug/L	1.7 U	20	19.2	96	65-136	
o-Xylene	ug/L	0.57 U	20	17.4	87	70-130	
Styrene	ug/L	0.26 U	20	18.9	95	70-130	
Tetrachloroethene	ug/L	0.38 U	20	19.0	95	64-134	
Toluene	ug/L	0.33 U	20	19.7	98	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	23.0	115	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	17.9	90	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	14.4	72	42-129	
Trichloroethene	ug/L	0.36 U	20	19.4	97	70-130	
Trichlorofluoromethane	ug/L	0.72 U	20	25.1	125	65-135	
Vinyl acetate	ug/L	1.8 U	20	18.7	93	60-144	
Vinyl chloride	ug/L	0.39 U	20	19.0	95	68-131	
Xylene (Total)	ug/L	2.1 U	60	53.8	90	70-130	
1,2-Dichlorobenzene-d4 (S)	%				97	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				104	70-130	

SAMPLE DUPLICATE: 5416553

Parameter	Units	35856635001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.7 U	6.7 U		40 J(v2)	
2-Hexanone	ug/L	6.6 U	6.6 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	8.7 U	8.7 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

SAMPLE DUPLICATE: 5416553

Parameter	Units	35856635001 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	J(v2)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.63 I	0.69 I		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	J(v2)
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 U		40	
Ethylbenzene	ug/L	0.30 U	0.32 I		40	
Iodomethane	ug/L	3.6 U	3.6 U		40	J(v2)
m&p-Xylene	ug/L	0.75 U	0.75 U		40	
Methylene Chloride	ug/L	1.7 U	1.7 U		40	
o-Xylene	ug/L	0.57 U	0.57 U		40	
Styrene	ug/L	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.72 U	0.72 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	99	99		40	
4-Bromofluorobenzene (S)	%	100	101		40	
Toluene-d8 (S)	%	106	105		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

QC Batch:	984534	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856493001, 35856493002, 35856493003, 35856493004, 35856493005, 35856493006, 35856493007, 35856493008		

METHOD BLANK:	5415476	Matrix:	Water
Associated Lab Samples:	35856493001, 35856493002, 35856493003, 35856493004, 35856493005, 35856493006, 35856493007, 35856493008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	01/29/24 02:05	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	01/29/24 02:05	

LABORATORY CONTROL SAMPLE:	5415477					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.29	118	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.29	114	60-140	

MATRIX SPIKE SAMPLE:	5415478						
		35856083014	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0067 U	0.26	0.29	112	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0079 U	0.26	0.28	109	60-140	

SAMPLE DUPLICATE:	5415479					
Parameter	Units	35856342001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0065 U	0.0068 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0076 U	0.0080 U		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

QC Batch:	985036	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856493001, 35856493002, 35856493003, 35856493004, 35856493005

METHOD BLANK: 5417116 Matrix: Water
Associated Lab Samples: 35856493001, 35856493002, 35856493003, 35856493004, 35856493005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	5.0 U	5.0	5.0	01/30/24 19:31	

LABORATORY CONTROL SAMPLE: 5417117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	250	235	94	90-110	

SAMPLE DUPLICATE: 5417118

Parameter	Units	35856217002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	5.0 U	5.0 U		20	

SAMPLE DUPLICATE: 5417119

Parameter	Units	35856194007 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	44.5	47.5	6	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

QC Batch:	985352	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856493006, 35856493007, 35856493008

METHOD BLANK: 5418862 Matrix: Water
Associated Lab Samples: 35856493006, 35856493007, 35856493008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	5.0 U	5.0	5.0	01/31/24 11:35	

LABORATORY CONTROL SAMPLE: 5418863

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	250	234	93	90-110	

SAMPLE DUPLICATE: 5418864

Parameter	Units	35856661001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	6.2	6.4	3	20	

SAMPLE DUPLICATE: 5418865

Parameter	Units	35856493006 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	202	205	1	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

QC Batch: 985431

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856493001, 35856493002

METHOD BLANK: 5419358

Matrix: Water

Associated Lab Samples: 35856493001, 35856493002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	01/31/24 21:08	

LABORATORY CONTROL SAMPLE: 5419359

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	301	100	90-110	

SAMPLE DUPLICATE: 5419360

Parameter	Units	35856949010 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	9220	9300	1	10	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

QC Batch:	985627	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856493003, 35856493004, 35856493005, 35856493006, 35856493007, 35856493008

METHOD BLANK: 5420491 Matrix: Water
Associated Lab Samples: 35856493003, 35856493004, 35856493005, 35856493006, 35856493007, 35856493008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/01/24 11:22	

LABORATORY CONTROL SAMPLE: 5420492

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	311	104	90-110	

SAMPLE DUPLICATE: 5420493

Parameter	Units	35856385002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	921	910	1	10	

SAMPLE DUPLICATE: 5420494

Parameter	Units	35856493003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1650	1700	3	10	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

QC Batch: 985341

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856493001

METHOD BLANK: 5418828

Matrix: Water

Associated Lab Samples: 35856493001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	02/01/24 03:33	

LABORATORY CONTROL SAMPLE: 5418829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.1	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5421748 5421749

Parameter	Units	35856933001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	86.0	50	50	141	141	109	109	90-110	0	20 L	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

QC Batch:	985397	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856493002, 35856493003, 35856493004, 35856493005, 35856493006, 35856493007, 35856493008

METHOD BLANK: 5419127 Matrix: Water
Associated Lab Samples: 35856493002, 35856493003, 35856493004, 35856493005, 35856493006, 35856493007, 35856493008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	01/31/24 15:34	

LABORATORY CONTROL SAMPLE: 5419128

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.0	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5420787 5420788

Parameter	Units	92710069001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	5.0	50	50	53.1	49.7	96	89	90-110	7	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5420789 5420790

Parameter	Units	35856621001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	17.3	50	50	73.9	70.3	113	106	90-110	5	20	J(M1)

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

QC Batch: 986168

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856493001, 35856493002

METHOD BLANK: 5423344

Matrix: Water

Associated Lab Samples: 35856493001, 35856493002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	02/02/24 20:52	

LABORATORY CONTROL SAMPLE: 5423345

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5423347 5423346

Parameter	Units	35856362002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	1.0	1.0	104	101	90-110	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5423348 5423349

Parameter	Units	35857054007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.56	1	1	1.6	1.6	104	103	90-110	1	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

QC Batch: 986291 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35856493003, 35856493004, 35856493005, 35856493006, 35856493007, 35856493008

METHOD BLANK: 5424104 Matrix: Water
Associated Lab Samples: 35856493003, 35856493004, 35856493005, 35856493006, 35856493007, 35856493008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	02/03/24 16:29	

LABORATORY CONTROL SAMPLE: 5424105

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5424107 5424106

Parameter	Units	35857363003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	0.92	1.1	92	109	90-110	17	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5424108 5424109

Parameter	Units	35856568002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	31.9	5	5	34.4	34.7	49	56	90-110	1	20 J(M1)	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

QC Batch:	985818	Analysis Method:	EPA 351.2
QC Batch Method:	EPA 351.2	Analysis Description:	351.2 TKN
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856493001, 35856493002, 35856493003, 35856493004, 35856493005, 35856493006, 35856493007, 35856493008

METHOD BLANK:	5421251	Matrix:	Water

Associated Lab Samples: 35856493001, 35856493002, 35856493003, 35856493004, 35856493005, 35856493006, 35856493007, 35856493008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.20 U	0.50	0.20	02/06/24 12:41	

LABORATORY CONTROL SAMPLE: 5421252						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	20	19.2	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5421254 5421253												
Parameter	Units	35856493001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	1.4	20	20	20.9	20.7	97	96	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5421256 5421255												
Parameter	Units	35857050001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	2.2	20	20	21.9	21.7	99	98	90-110	1	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

QC Batch:	984419	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856493001, 35856493002, 35856493003

METHOD BLANK: 5414791 Matrix: Water
Associated Lab Samples: 35856493001, 35856493002, 35856493003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/27/24 08:11	
Nitrogen, NO2 plus NO3	mg/L	0.015 U	0.050	0.015	01/27/24 08:11	

LABORATORY CONTROL SAMPLE: 5414792

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.1	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5414796 5414795

Parameter	Units	35856382001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.018 I	2	2	2.0	1.9	99	95	90-110	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5414807 5414806

Parameter	Units	35856254001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.15	2	2	2.2	2.2	103	102	90-110	1	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

QC Batch: 984478 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35856493004, 35856493005, 35856493006, 35856493007, 35856493008

METHOD BLANK: 5415147 Matrix: Water
Associated Lab Samples: 35856493004, 35856493005, 35856493006, 35856493007, 35856493008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/27/24 15:00	
Nitrogen, NO2 plus NO3	mg/L	0.015 U	0.050	0.015	01/27/24 15:00	

LABORATORY CONTROL SAMPLE: 5415148

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5415150 5415149

Parameter	Units	35856523001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.016 I	2	2	1.8	2.1	88	104	90-110	17	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5415152 5415151

Parameter	Units	35856493008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.015 U	2	2	1.8	1.5	88	77	90-110	14	20	J(M1)

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

QC Batch:	984666	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856493001, 35856493002, 35856493003, 35856493004, 35856493005, 35856493006, 35856493007, 35856493008

METHOD BLANK:	5415764	Matrix:	Water

Associated Lab Samples: 35856493001, 35856493002, 35856493003, 35856493004, 35856493005, 35856493006, 35856493007, 35856493008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5 U	20.0	12.5	01/31/24 15:20	

LABORATORY CONTROL SAMPLE: 5415765						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	498	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5415767												
			MS	MSD								
Parameter	Units	35855081016 Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	680	500	500	1130	1140	91	91	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5415769												
			MS	MSD								
Parameter	Units	35856493005 Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	45.1	500	500	523	522	96	95	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

QC Batch:	984686	Analysis Method:	SM 5310B
QC Batch Method:	SM 5310B	Analysis Description:	5310B TOC
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856493001

METHOD BLANK: 5415826 Matrix: Water

Associated Lab Samples: 35856493001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	01/30/24 07:48	

LABORATORY CONTROL SAMPLE: 5415827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	20	19.8	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5415828 5415829

Parameter	Units	35856387002 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	0.50 U	20	20	19.7	19.6	98	97	80-120	0	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

QC Batch:	984946	Analysis Method:	SM 5310B
QC Batch Method:	SM 5310B	Analysis Description:	5310B TOC
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856493002, 35856493003, 35856493004

METHOD BLANK: 5416874 Matrix: Water
Associated Lab Samples: 35856493002, 35856493003, 35856493004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	01/30/24 14:20	

LABORATORY CONTROL SAMPLE: 5416875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	20	19.2	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5416876 5416877

Parameter	Units	35856604001 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	0.50 U	20	20	19.8	19.7	99	98	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5416878 5416879

Parameter	Units	35856626004 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	18.9	18.9	94	94	80-120	0	20	

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

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

QC Batch:	984949	Analysis Method:	SM 5310B
QC Batch Method:	SM 5310B	Analysis Description:	5310B TOC
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856493005, 35856493006, 35856493007, 35856493008

METHOD BLANK: 5416880 Matrix: Water
Associated Lab Samples: 35856493005, 35856493006, 35856493007, 35856493008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	01/30/24 21:30	

LABORATORY CONTROL SAMPLE: 5416881

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	20	19.3	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5416882 5416883

Parameter	Units	35856493005 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	9.3	20	20	29.7	29.8	102	103	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5416884 5416885

Parameter	Units	35856704001 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	7.3	20	20	27.1	27.2	99	100	80-120	0	20	

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

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QUALIFIERS

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

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.
TNTC - Too Numerous To Count
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
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.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(IS)	Estimated Value. The internal standard recovery associated with this result exceeds the lower control limit. The reported result should be considered an estimated value.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(v2)	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
J(v3)	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.
L	Off-scale high. Actual value is known to be greater than value given.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35856493001	RR19 (60)				
35856493002	RR19 (20)				
35856493003	RR5 (60)				
35856493004	RR5 (20)				
35856493005	RR4 (60)				
35856493006	RR4 (60) DUPLICATE				
35856493007	RR4 (20)				
35856493001	RR19 (60)	EPA 8011	984534	EPA 8011	984591
35856493002	RR19 (20)	EPA 8011	984534	EPA 8011	984591
35856493003	RR5 (60)	EPA 8011	984534	EPA 8011	984591
35856493004	RR5 (20)	EPA 8011	984534	EPA 8011	984591
35856493005	RR4 (60)	EPA 8011	984534	EPA 8011	984591
35856493006	RR4 (60) DUPLICATE	EPA 8011	984534	EPA 8011	984591
35856493007	RR4 (20)	EPA 8011	984534	EPA 8011	984591
35856493008	EQ BLANK 012624	EPA 8011	984534	EPA 8011	984591
35856493001	RR19 (60)	EPA 3010	984702	EPA 6010	984787
35856493002	RR19 (20)	EPA 3010	984702	EPA 6010	984787
35856493003	RR5 (60)	EPA 3010	984702	EPA 6010	984787
35856493004	RR5 (20)	EPA 3010	984702	EPA 6010	984787
35856493005	RR4 (60)	EPA 3010	984702	EPA 6010	984787
35856493006	RR4 (60) DUPLICATE	EPA 3010	984702	EPA 6010	984787
35856493007	RR4 (20)	EPA 3010	984702	EPA 6010	984787
35856493008	EQ BLANK 012624	EPA 3010	984702	EPA 6010	984787
35856493001	RR19 (60)	EPA 3010	984700	EPA 6020	984788
35856493002	RR19 (20)	EPA 3010	984700	EPA 6020	984788
35856493003	RR5 (60)	EPA 3010	984700	EPA 6020	984788
35856493004	RR5 (20)	EPA 3010	984700	EPA 6020	984788
35856493005	RR4 (60)	EPA 3010	984700	EPA 6020	984788
35856493006	RR4 (60) DUPLICATE	EPA 3010	984700	EPA 6020	984788
35856493007	RR4 (20)	EPA 3010	984700	EPA 6020	984788
35856493008	EQ BLANK 012624	EPA 3010	984700	EPA 6020	984788
35856493001	RR19 (60)	EPA 7470	986673	EPA 7470	986693
35856493002	RR19 (20)	EPA 7470	986673	EPA 7470	986693
35856493003	RR5 (60)	EPA 7470	986673	EPA 7470	986693
35856493004	RR5 (20)	EPA 7470	986673	EPA 7470	986693
35856493005	RR4 (60)	EPA 7470	986673	EPA 7470	986693
35856493006	RR4 (60) DUPLICATE	EPA 7470	987371	EPA 7470	987396
35856493007	RR4 (20)	EPA 7470	987371	EPA 7470	987396
35856493008	EQ BLANK 012624	EPA 7470	987371	EPA 7470	987396
35856493001	RR19 (60)	EPA 8260	984856		
35856493002	RR19 (20)	EPA 8260	984856		
35856493003	RR5 (60)	EPA 8260	984856		
35856493004	RR5 (20)	EPA 8260	984522		
35856493004	RR5 (20)	EPA 8260	984856		
35856493005	RR4 (60)	EPA 8260	984856		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856493

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35856493006	RR4 (60) DUPLICATE	EPA 8260	984856		
35856493007	RR4 (20)	EPA 8260	984522		
35856493008	EQ BLANK 012624	EPA 8260	984522		
35856493001	RR19 (60)	SM 2320B	985036		
35856493002	RR19 (20)	SM 2320B	985036		
35856493003	RR5 (60)	SM 2320B	985036		
35856493004	RR5 (20)	SM 2320B	985036		
35856493005	RR4 (60)	SM 2320B	985036		
35856493006	RR4 (60) DUPLICATE	SM 2320B	985352		
35856493007	RR4 (20)	SM 2320B	985352		
35856493008	EQ BLANK 012624	SM 2320B	985352		
35856493001	RR19 (60)	SM 2540C	985431		
35856493002	RR19 (20)	SM 2540C	985431		
35856493003	RR5 (60)	SM 2540C	985627		
35856493004	RR5 (20)	SM 2540C	985627		
35856493005	RR4 (60)	SM 2540C	985627		
35856493006	RR4 (60) DUPLICATE	SM 2540C	985627		
35856493007	RR4 (20)	SM 2540C	985627		
35856493008	EQ BLANK 012624	SM 2540C	985627		
35856493001	RR19 (60)	TKN-NH3 Calculation	988524		
35856493002	RR19 (20)	TKN-NH3 Calculation	988524		
35856493003	RR5 (60)	TKN-NH3 Calculation	988524		
35856493004	RR5 (20)	TKN-NH3 Calculation	988524		
35856493005	RR4 (60)	TKN-NH3 Calculation	988524		
35856493006	RR4 (60) DUPLICATE	TKN-NH3 Calculation	988524		
35856493007	RR4 (20)	TKN-NH3 Calculation	988524		
35856493008	EQ BLANK 012624	TKN-NH3 Calculation	988524		
35856493001	RR19 (60)	EPA 300.0	985341		
35856493002	RR19 (20)	EPA 300.0	985397		
35856493003	RR5 (60)	EPA 300.0	985397		
35856493004	RR5 (20)	EPA 300.0	985397		
35856493005	RR4 (60)	EPA 300.0	985397		
35856493006	RR4 (60) DUPLICATE	EPA 300.0	985397		
35856493007	RR4 (20)	EPA 300.0	985397		
35856493008	EQ BLANK 012624	EPA 300.0	985397		
35856493001	RR19 (60)	EPA 350.1	986168		
35856493002	RR19 (20)	EPA 350.1	986168		
35856493003	RR5 (60)	EPA 350.1	986291		
35856493004	RR5 (20)	EPA 350.1	986291		
35856493005	RR4 (60)	EPA 350.1	986291		
35856493006	RR4 (60) DUPLICATE	EPA 350.1	986291		
35856493007	RR4 (20)	EPA 350.1	986291		
35856493008	EQ BLANK 012624	EPA 350.1	986291		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856493

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35856493001	RR19 (60)	EPA 351.2	985818	EPA 351.2	986702
35856493002	RR19 (20)	EPA 351.2	985818	EPA 351.2	986702
35856493003	RR5 (60)	EPA 351.2	985818	EPA 351.2	986702
35856493004	RR5 (20)	EPA 351.2	985818	EPA 351.2	986702
35856493005	RR4 (60)	EPA 351.2	985818	EPA 351.2	986702
35856493006	RR4 (60) DUPLICATE	EPA 351.2	985818	EPA 351.2	986702
35856493007	RR4 (20)	EPA 351.2	985818	EPA 351.2	986702
35856493008	EQ BLANK 012624	EPA 351.2	985818	EPA 351.2	986702
35856493001	RR19 (60)	EPA 353.2	984419		
35856493002	RR19 (20)	EPA 353.2	984419		
35856493003	RR5 (60)	EPA 353.2	984419		
35856493004	RR5 (20)	EPA 353.2	984478		
35856493005	RR4 (60)	EPA 353.2	984478		
35856493006	RR4 (60) DUPLICATE	EPA 353.2	984478		
35856493007	RR4 (20)	EPA 353.2	984478		
35856493008	EQ BLANK 012624	EPA 353.2	984478		
35856493001	RR19 (60)	EPA 410.4	984666	EPA 410.4	985464
35856493002	RR19 (20)	EPA 410.4	984666	EPA 410.4	985464
35856493003	RR5 (60)	EPA 410.4	984666	EPA 410.4	985464
35856493004	RR5 (20)	EPA 410.4	984666	EPA 410.4	985464
35856493005	RR4 (60)	EPA 410.4	984666	EPA 410.4	985464
35856493006	RR4 (60) DUPLICATE	EPA 410.4	984666	EPA 410.4	985464
35856493007	RR4 (20)	EPA 410.4	984666	EPA 410.4	985464
35856493008	EQ BLANK 012624	EPA 410.4	984666	EPA 410.4	985464
35856493001	RR19 (60)	SM 5310B	984686		
35856493002	RR19 (20)	SM 5310B	984946		
35856493003	RR5 (60)	SM 5310B	984946		
35856493004	RR5 (20)	SM 5310B	984946		
35856493005	RR4 (60)	SM 5310B	984949		
35856493006	RR4 (60) DUPLICATE	SM 5310B	984949		
35856493007	RR4 (20)	SM 5310B	984949		
35856493008	EQ BLANK 012624	SM 5310B	984949		

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Pace® Location Requested (City/State): Pace Analytical Pompano Beach 3610 Park Central Blvd North, Pompano Beach, FL 33064

Company Name: Miami-Dade Department of Solid Waste Management Street Address: 2525 NW 62 St, Miami, FL 33147

Contact/Report To: Yanett Rodriguez Phone #: E-Mail: yanett.rodriguez@miamidade.gov Cc E-Mail:

Customer Project #: FDEP 1st Semiannual RRF Project Name: Invoice To: Yanett Rodriguez Invoice E-Mail: yanett.rodriguez@miamidade.gov Purchase Order # (if applicable): SW0000002055 Quote #:

Time Zone Collected: [] AK [] MT [] CT [] ET Regulatory Program (DW, RCRA, etc.), as applicable: Florida Reportable [] Yes [] No

Data Deliverables: [] Level II [] Level III [] Level IV [] EQUIS [] Other

Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other

Date Results Requested: [] Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix	Comp / Grab	Composite Start		Collected or Composite End		#	Res. Chlorine	
			Date	Time	Date	Time		Results	Units
RR19 (60)					1/24/24	0913	11		
RR19 (20)						0947	11		
RR5 (60)						1114	11		
RR5 (20)						1142	11		
RR4 (60)						1257	11		
RR4 (60) - Dup						1257	11		
RR4 (20)						1337	11		
EQ Blank						1353	11		

Additional Instructions from Pace:

Collected By: (Printed Name) Signature: Kayla Askins

Relinquished by/Company: (Signature) Date/Time: 1/24/24 1638

Relinquished by/Company: (Signature) Date/Time: 1/26/24 1800

Relinquished by/Company: (Signature) Date/Time:

Relinquished by/Company: (Signature) Date/Time:

Page 67 of 66

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at: https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

W0# : 35856493

35856493

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Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C) Corrected Temp (°C) On Ice:

Tracking Number:

Date/Time: 1/26/24 1638

Date/Time: 1/26/24 2210

Date/Time: 1/26/24 2210

Date/Time:

Delivered by: [] In-Person [] Courier [] FedEx [] UPS [] Other

Page: 3 of 4

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

***Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NH4SO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Pace

WO#: 35856493

Project #
Project Manager:
Client:

PM: RYG Due Date: 02/12/24
CLIENT: 36-MDSWM

Date and Initials of person:

Examining contents: _____

Label: _____

Deliver: _____

pH: _____

Thermometer Used: T-398

Date: 01/26/2024

Time: 1638

Initials: BJ

State of Origin: _____ ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp. °C 2.6 (Visual) -0.1 (Correction Factor) 2.5 (Actual)

Cooler #2 Temp. °C 4.4 (Visual) (Correction Factor) 4.3 (Actual)

Cooler #3 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #4 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #5 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. °C (Visual) (Correction Factor) (Actual)

Recheck for OOT °C (Visual) (Correction Factor) (Actual)

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

Time: _____ Initials: _____

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

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

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # _____

Custody Seal Present: ☐ Yes ☒ No Seal properly placed and intact: ☐ Yes ☒ No

Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

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

Samples shorted to lab: ☐ Yes ☒ No (If yes, complete the following)

Shorted Date: _____

Shorted Time: _____

Bottle Quantity / Type: _____

Chain of Custody:	Present: ☐ Yes ☐ No Filled Out: ☐ Yes ☐ No ☐ N/A Relinquished From Pace: ☐ Yes ☐ No ☐ N/A Sampler Name: ☐ Yes ☐ No ☐ N/A	
	Relinquished To Pace: ☐ Yes ☐ No ☐ N/A Sampling Date(s): ☐ Yes ☐ No ☐ N/A Sampling Time(s): ☐ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time.	☒ Yes ☐ No ☐ N/A	Comments:
Rush Turnaround Requested on COC.	☐ Yes ☒ No ☐ N/A	Comments:
Sufficient Volume.	☐ Yes ☒ No ☐ N/A	Comments:
Correct Containers Used.	☐ Yes ☐ No ☐ N/A	Comments:
Containers Intact.	☐ Yes ☐ No ☐ N/A	Comments:
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☐ Yes ☐ No ☐ N/A	Comments:
All containers needing acid / base preservation have been checked.	☐ Yes ☐ No ☐ N/A	Preservation Information Preservative: _____ Date: _____ Lot / Trace: _____ Time: _____ Amount added (mL): _____ Initials: _____
All containers needing preservation are found to be in compliance with EPA recommendation:	☐ Yes ☐ No ☐ N/A	
Exceptions: Vials, Microbiology, O&G, PFAS		
Headspace in Volatile Vials? (>6mm):	☐ Yes ☐ No ☐ N/A	
Trip Blank Present:	☐ Yes ☒ No ☐ N/A	

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Resource Recovery Facility		SITE LOCATION: 8785 NW 58th Miami	
WELL NO: RR19 (60)	SAMPLE ID: RR19 (60)	DATE: 1-26-24	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.69	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)				
= 160 feet - 7.69 feet X 0.16 gallons/foot = 8.3696 gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.00	PURGING INITIATED AT: 0820	PURGING ENDED AT: 0912	TOTAL VOLUME PURGED (gallons): 13.00

[illegible]

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Kayla Askins / Pace</i>		SAMPLER(S) SIGNATURE(S): <i>KAskins</i>		SAMPLING INITIATED AT: <i>09:13</i>	SAMPLING ENDED AT: <i>09:24</i>
PUMP OR TUBING DEPTH IN WELL (feet): <i>10.00</i>		TUBING MATERIAL CODE: <i>HDPE15</i>		FIELD-FILTERED: Y <i>(N)</i> Filtration Equipment Type:	FILTER SIZE: _____ μ m
FIELD DECONTAMINATION: PUMP Y <i>(N)</i>		TUBING Y <i>(N)</i> <i>(replaced)</i>		DUPLICATE: Y <i>(N)</i>	

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			
RR19	1	PE	500ml	COOL	0	7.04	Alkalinity TD3	APP	300
(60)	1	PE	250ml	COOL	1	7.04	NO2, NO3, CL	1	1
1	1	PE	250ml	H2SO4		7.2	NH3, TKN, TON		
1	1	PE	250ml	HNO3		7.2	metals (601, 602, 7470)		
	2	CG	40ml	Na2S2O3		7.2	SEM CCS EDB DBEP		
	2	CG	40ml	HCL		7.2	3310B TOC		
REMARKS:	3	CG	40ml	HCL		7.2	8260 MSY		

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

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

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

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

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Resource Recovery Facility		SITE LOCATION: 6910 NW 97th Ave, Dorval	
WELL NO: RR19 (20)	SAMPLE ID: RR19 (20)	DATE: 1-26-24	

PURGING DATA

[illegible]

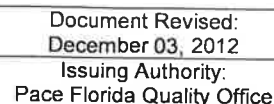
SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:				SAMPLING DATA			SAMPLING INITIATED AT:		SAMPLING ENDED AT:		
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE:		FIELD-FILTERED: Y (N)		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					
R219	1	PE	500ml	COD	0	6.97	Alkalinity TDS	APP	300		
(20)	1	PE	250ml	COD		6.97	NO ₂ NO ₃ CL				
	1	PE	250ml	H ₂ SO ₄		L2	NH ₃ , TKN TON COD				
	1	PE	250ml	HNO ₃		L2	metals				
	2	CG	40ml	Na ₂ SO ₃		L2	8011 GCS EOB				
	2	CG	40ml	HCL		L2	DBCP				
REMARKS:	3	CG	40ml	HCL		L2	53103 TOC				
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: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)



Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Resource Recovery Facility		SITE LOCATION: 6990 NW 9th Ave, Dorval	
WELL NO: RR5(20)	SAMPLE ID: RR5(20)	DATE: 1-26-24	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.58	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)

(only fill out if applicable)
 = 20 feet - 10.88 feet) X 0.16 gallons/foot = 1.4592 gallons
 EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.00	PURGING INITIATED AT: 1129	PURGING ENDED AT: 1141	TOTAL VOLUME PURGED (gallons): 240

[illegible]

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Kayla Askins / Pace		SAMPLER(S) SIGNATURE(S): [Signature]		SAMPLING INITIATED AT: 1142	SAMPLING ENDED AT: 1153
PUMP OR TUBING DEPTH IN WELL (feet): 14.00		TUBING MATERIAL CODE: HDPE-L	FIELD-FILTERED: Y (N)	Filtration Equipment Type: _____	
				FILTER SIZE: _____ µm	

FIELD DECONTAMINATION:	PUMP	Y	<u>N</u>	TUBING	Y	<u>N (replaced)</u>	DUPLICATE:	Y	<u>N</u>

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			
RR5	1	PE	500ml	C001	0	7.04	ALKALITY TDS	APP	300
(20)	1	PE	250ml	C001	I	7.04	NO2 NOS CL		
	1	PE	250ml	H2SO4		L2	NH3 NH4 TAN COB		
	1	PE	250ml	HNO3		L2	metals (see 1602/17470)		
	2	CG	40ml	HCL		L2	5310 B TOC		
	2	CG	40ml	Hg2SO3		L2	8011 GCS EOB DBCP		
REMARKS:	3	CG	40ml	HCL	I	L2	8260 MSV	I	I

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

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

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

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

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Resource Recovery Facility		SITE LOCATION: 6990 NW 9th Ave, Doraville	
WELL NO: RR4(60)	SAMPLE ID: RR4(60)	DATE: 1-26-24	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.33	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)

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 16.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 16.00	PURGING INITIATED AT: 1208	PURGING ENDED AT: 1256	TOTAL VOLUME PURGED (gallons): 2.00

[illegible]

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: Kayla Askins / Pace		SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: 1257	SAMPLING ENDED AT: 1313
PUMP OR TUBING DEPTH IN WELL (feet): 16.00		TUBING MATERIAL CODE: HDPE-15		FIELD-FILTERED: Y ☒ N ☒	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			
RR4	2	PE	500ml	COOL	0	7.13	Alkalinity	APP	300
(60)	2	PE	250ml	COOL	1	7.13	TD3		
1	2	PE	250ml	H2SO4		<2	NO2, NO3		
	2	PE	250ml	HNO3		<2	NH3, NH4, DON		
	4	CG	40ml	NEZSD3		<2	metals		
	4	CG	40ml	HCL		<2	6011, 6022, 7470		
REMARKS:	6	CG	40ml	HCL	<2	8011, 603, 60B	1	1	
						5310 B ToC			
							8260		
							msu		

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



Document Name:
Groundwater Sampling Log
Document No.:
F-FL-C-021 rev.00

Document Revised:
December 03, 2012
Issuing Authority:
Pace Florida Quality Office

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Resource Recovery Facility</u>		SITE LOCATION: <u>6990 NW 9th Ave, Doral</u>	
WELL NO: <u>RR4 (20)</u>		SAMPLE ID: <u>RR4 (20)</u>	
		DATE: <u>1-20-24</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: feet to <u>10.46</u>	STATIC DEPTH TO WATER (feet): <u>10.46</u>	PURGE PUMP TYPE OR BAILER: <u>PP</u>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) <u>1.20</u> feet - <u>10.46</u> feet X <u>0.16</u> gallons/foot = <u>1.5264</u> 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): <u>15.00</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>15.00</u>	PURGING INITIATED AT: <u>1324</u>	PURGING ENDED AT: <u>1336</u>	TOTAL VOLUME PURGED (gallons): <u>2.40</u>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1332	1.60	1.60	0.20	10.46	7.03	27.9	1349	0.20	0.42	Clear	Slight
1334	0.40	2.00	1	1	7.03	27.9	1350	0.21	0.27	1	1
1336	0.40	2.40	1	1	7.03	27.9	1350	0.20	0.55	1	1
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Kayla Askins/Pace</u>				SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>			SAMPLING INITIATED AT: <u>1337</u>		SAMPLING ENDED AT: <u>1347</u>		
PUMP OR TUBING DEPTH IN WELL (feet): <u>15.00</u>				TUBING MATERIAL CODE: <u>HDPE-LS</u>			FIELD-FILTERED: Y <u>(N)</u> Filtration Equipment Type: <u>(N)</u>		FILTER SIZE: <u> </u> μm		
FIELD DECONTAMINATION: PUMP Y <u>(N)</u>				TUBING Y <u>(N(replaced))</u>			DUPLICATE: Y <u>(N)</u>				
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					
2R4	1	PE	500ml	COI	0	7.03	Alkalinity TDS		APP		300
(20)	1	PE	250ml	COI	1	7.03	NO ₂ NO ₃ CL		1		1
	1	PE	250ml	H2SO4	1	7.03	NH ₃ TKN TSS		1		1
	1	PE	250ml	HNO ₃	1	7.03	metals		1		1
	2	CG	40ml	HA2SO3	1	7.03	6010 GC5 EOB		1		1
	2	CG	40ml	HCL	1	7.03	DBCP		1		1
REMARKS:	3	CG	40ml	HCL	1	7.03	5310 B TOL		1		1
		CG	40ml	HCL	1	7.03	8260 MS4		1		1
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: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Form FD 9000-24

SITE NAME: Resource Recovery Facility

SITE LOCATION: 6990 NW 9th Ave, Doral
 @ Bkink DATE: 1-26-20

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
N/A	1/4		N/A	PO

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

Only use if applicable)

$$= (111A \text{ feet} - 111A \text{ feet}) \times 111A \text{ gallons/foot} = \text{gallons}$$

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. - PUMP VOLUME / (TURNING CAPACITY X 111A)

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

$$\text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$$

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	1.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	1.00	PURGING INITIATED AT:	N/A	PURGING ENDED AT:	N/A	TOTAL VOLUME PURGED (gallons):	N/A

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standar d 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)
EOD BLANK											

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: Kayla Askins / Pace		SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: 1353	SAMPLING ENDED AT: 1403
PUMP OR TUBING DEPTH IN WELL (feet):		TUBING MATERIAL CODE: 1-HDPE-15	FIELD-FILTERED: Y ☒ N ☒	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			
50	1	PE	500ml	C001	0	N/A	Alkalinity TDS	APP	300
BLANK	1	PE	250ml	C001	1	N/A	NO ₂ NO ₃ CL	1	1
1	1	PE	250ml	H2SO4		L2	NH ₃ TICs TON		
	1	PE	250ml	HNO ₃		L2	metals		
	2	CG	40ml	Na ₂ SO ₃		L2	6010/6020/2478		
	2	CG	40ml	HCL		L2	5011 GC5 60B DBCP		
REMARKS:	3	CG	40ml	HCL		L2	5310 B TOL		
						8260 MSU			

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:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\geq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+ 5$ NTU or $+ 10\%$ (whichever is greater)

Sample Condition Upon Receipt Form (SCUR)

WO#: 35856493

PM: RYG

Due Date: 02/12/24

CLIENT: 36-MDSWM

Project #

Project Manager:

Client:

Date and Initials of person:

Examining contents:

Label:

Deliver:

pH:

Initials

Thermometer Used: T-414

Date: 1-26-24

Time: 2358

State of Origin

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 1.3 (Visual) 0.0 (Correction Factor) 1.3 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ 1.9 (Visual) (Correction Factor) 1.9 (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Recheck for OOT $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

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

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

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown ☐ Other

Tracking #

Custody Seal Present: ☒ Yes ☐ No Seal properly placed and intact: ☒ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Ice: ☒ Dry ☐ Blue ☐ Dry ☐ None ☐ Melted

Samples shorted to lab: ☐ Yes ☐ No (If yes, complete the following)

Shorted Date:

Bottle Quantity / Type:

Shorted Time:

Chain of Custody:	Present: ☒ Yes ☐ No Filled Out: ☒ Yes ☐ No ☐ N/A Sampler Name: ☒ Yes ☐ No ☐ N/A
	Relinquished To Pace: ☒ Yes ☐ No ☐ N/A Sampling Date(s): ☒ Yes ☐ No ☐ N/A Sampling Time(s): ☒ Yes ☐ No ☐ N/A
Samples Arrived within Hold Time	☒ Yes ☐ No ☐ N/A
Rush Turnaround 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 ID, Date/Time of Collection)	☒ Yes ☐ No ☐ N/A
All containers needing acid / base preservation have been checked	☒ Yes ☐ No ☐ N/A
All containers needing preservation are found to be in compliance with EPA recommendation	☒ Yes ☐ No ☐ N/A
Exceptions: Vials, Microbiology, O&G, PFAS	
Headspace in Volatile Vials? (>6mm)	☐ Yes ☒ No ☐ N/A
Top Blank Present	☐ Yes ☒ No ☐ N/A
Comments / Resolutions (use back for additional comments):	

Preservation Information

Preservative:

Date:

Lot / Trace:

Time:

Amount added (mL):

Initials:



February 13, 2024

Mario Porcelli
Miami-Dade Department of Solid Waste
Management
2525 NW 62
5th floor
Miami, FL 33147

RE: Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on January 29, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach

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

Sincerely,

Rossy Guima
rossy.guima@pacelabs.com
954-582-4300
Project Manager

Enclosures

cc: Robert Graessel, Miami-Dade Department of Solid Waste
Management
Arellys Roman, Miami-Dade Department of Solid Waste
Management



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
California Certification# 3096
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
DoD-ANAB #:ADE-3199
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
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
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35856704001	RR-3 (20)	Water	01/29/24 10:07	01/29/24 15:15
35856704002	RR-3 (60)	Water	01/29/24 10:33	01/29/24 15:15
35856704003	RR-3 (30)	Water	01/29/24 11:13	01/29/24 15:15
35856704004	RR-1 (15)	Water	01/29/24 11:57	01/29/24 15:15
35856704005	RR-1 (30)	Water	01/29/24 12:09	01/29/24 15:15
35856704006	RR-1 (60)	Water	01/29/24 12:28	01/29/24 15:15
35856704007	RR-1 (60) DUPLICATE	Water	01/29/24 12:28	01/29/24 15:15
35856704008	RR-2 (15)	Water	01/29/24 13:22	01/29/24 15:15
35856704009	RR-2 (30)	Water	01/29/24 13:30	01/29/24 15:15
35856704010	RR-2 (60)	Water	01/29/24 13:51	01/29/24 15:15
35856704011	EQ BLANK 012924	Water	01/29/24 14:10	01/29/24 15:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35856704001	RR-3 (20)	EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	49	PASI-O
		SM 2320B	SAH	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	KW1	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
35856704002	RR-3 (60)	EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	49	PASI-O
		SM 2320B	SAH	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	KW1	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
35856704003	RR-3 (30)	EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35856704004	RR-1 (15)	EPA 350.1	KW1	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	KW1	1	PASI-O
35856704005	RR-1 (30)	EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	KW1	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
35856704006	RR-1 (60)	EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35856704007	RR-1 (60) DUPLICATE	EPA 8260	CLT	49	PASI-O
		SM 2320B	SAH	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	KW1	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	49	PASI-O
		SM 2320B	SAH	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	KW1	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
35856704008	RR-2 (15)	EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	49	PASI-O
		SM 2320B	SAH	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	KW1	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35856704009	RR-2 (30)	SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	JIF	49	PASI-O
		SM 2320B	SAH	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	KW1	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
35856704010	RR-2 (60)	EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	JIF	49	PASI-O
		SM 2320B	SAH	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	KW1	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
35856704011	EQ BLANK 012924	EPA 8260	JIF	49	PASI-O
		SM 2320B	SAH	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	KW1	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-3 (20)		Lab ID: 35856704001		Collected: 01/29/24 10:07		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	7.60	Std. Units			1		01/29/24 10:07		
Field Temperature	25.5	deg C			1		01/29/24 10:07		
Field Specific Conductance	555	umhos/cm			1		01/29/24 10:07		
Oxygen, Dissolved	0.36	mg/L			1		01/29/24 10:07	7782-44-7	
Turbidity	0.39	NTU			1		01/29/24 10:07		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	01/30/24 12:34	01/30/24 19:49	96-12-8	
1,2-Dibromoethane (EDB)	0.0075 U	ug/L	0.010	0.0075	1	01/30/24 12:34	01/30/24 19:49	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Barium	21.5	ug/L	10.0	0.84	1	01/30/24 04:57	02/03/24 14:58	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/30/24 04:57	02/03/24 14:58	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/30/24 04:57	02/03/24 14:58	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/30/24 04:57	02/03/24 14:58	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/30/24 04:57	02/03/24 14:58	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/30/24 04:57	02/03/24 14:58	7440-50-8	
Iron	38.7 I	ug/L	40.0	25.0	1	01/30/24 04:57	02/03/24 14:58	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/30/24 04:57	02/03/24 14:58	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 14:58	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/30/24 04:57	02/03/24 14:58	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 14:58	7440-22-4	
Sodium	29.2	mg/L	2.0	0.54	1	01/30/24 04:57	02/03/24 14:58	7440-23-5	
Vanadium	1.8 I	ug/L	10.0	1.0	1	01/30/24 04:57	02/03/24 14:58	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/30/24 04:57	02/03/24 14:58	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:03	7440-36-0	
Arsenic	0.71 I	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:03	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/30/24 04:57	01/30/24 18:03	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/08/24 08:14	02/12/24 10:14	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/01/24 12:36	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/01/24 12:36	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 12:36	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/01/24 12:36	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-3 (20) Lab ID: 35856704001 Collected: 01/29/24 10:07 Received: 01/29/24 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/01/24 12:36	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/01/24 12:36	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/01/24 12:36	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/01/24 12:36	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/01/24 12:36	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/01/24 12:36	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/01/24 12:36	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/01/24 12:36	75-00-3	J(v1)
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/01/24 12:36	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/01/24 12:36	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/01/24 12:36	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/01/24 12:36	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/01/24 12:36	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/01/24 12:36	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/01/24 12:36	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/01/24 12:36	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/01/24 12:36	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/01/24 12:36	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/01/24 12:36	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/01/24 12:36	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/01/24 12:36	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/01/24 12:36	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 12:36	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/01/24 12:36	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/01/24 12:36	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/01/24 12:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/01/24 12:36	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/01/24 12:36	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/01/24 12:36	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/01/24 12:36	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/01/24 12:36	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/01/24 12:36	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 12:36	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 12:36	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/01/24 12:36	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/01/24 12:36	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/01/24 12:36	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/01/24 12:36	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/01/24 12:36	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/01/24 12:36	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/01/24 12:36	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/01/24 12:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		02/01/24 12:36	460-00-4	
Toluene-d8 (S)	104	%	70-130		1		02/01/24 12:36	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-3 (20)		Lab ID: 35856704001		Collected: 01/29/24 10:07		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		02/01/24 12:36	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	209	mg/L	5.0	5.0	1		01/31/24 15:30		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	293	mg/L	5.0	5.0	1		02/04/24 16:16		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.30 I	mg/L	0.50	0.20	1		02/13/24 14:11		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	42.7	mg/L	5.0	2.5	1		02/01/24 01:40	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.65	mg/L	0.050	0.035	1		02/03/24 19:38	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	0.95	mg/L	0.50	0.20	1	02/01/24 13:04	02/02/24 09:46	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.072	mg/L	0.050	0.015	1		01/30/24 07:36		
Nitrogen, Nitrate	0.072	mg/L	0.050	0.025	1		01/30/24 07:36	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	25.5	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 10:49		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	7.3	mg/L	1.0	0.50	1		01/31/24 01:14	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-3 (60)		Lab ID: 35856704002		Collected: 01/29/24 10:33		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
		Pace Analytical Services - Ormond Beach							
Field pH	7.43	Std. Units			1		01/29/24 10:33		
Field Temperature	25.4	deg C			1		01/29/24 10:33		
Field Specific Conductance	653	umhos/cm			1		01/29/24 10:33		
Oxygen, Dissolved	0.16	mg/L			1		01/29/24 10:33	7782-44-7	
Turbidity	0.31	NTU			1		01/29/24 10:33		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
		Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	01/30/24 12:34	01/30/24 20:14	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	01/30/24 12:34	01/30/24 20:14	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Barium	17.2	ug/L	10.0	0.84	1	01/30/24 04:57	02/03/24 15:19	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/30/24 04:57	02/03/24 15:19	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/30/24 04:57	02/03/24 15:19	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/30/24 04:57	02/03/24 15:19	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/30/24 04:57	02/03/24 15:19	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/30/24 04:57	02/03/24 15:19	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	01/30/24 04:57	02/03/24 15:19	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/30/24 04:57	02/03/24 15:19	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:19	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/30/24 04:57	02/03/24 15:19	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:19	7440-22-4	
Sodium	35.4	mg/L	2.0	0.54	1	01/30/24 04:57	02/03/24 15:19	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/30/24 04:57	02/03/24 15:19	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/30/24 04:57	02/03/24 15:19	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:06	7440-36-0	
Arsenic	0.58 I	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:06	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/30/24 04:57	01/30/24 18:06	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
		Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/08/24 08:14	02/12/24 10:20	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
		Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/01/24 12:59	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/01/24 12:59	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 12:59	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/01/24 12:59	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-3 (60) Lab ID: 35856704002 Collected: 01/29/24 10:33 Received: 01/29/24 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/01/24 12:59	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/01/24 12:59	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/01/24 12:59	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/01/24 12:59	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/01/24 12:59	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/01/24 12:59	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/01/24 12:59	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/01/24 12:59	75-00-3	J(v1)
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/01/24 12:59	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/01/24 12:59	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/01/24 12:59	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/01/24 12:59	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/01/24 12:59	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/01/24 12:59	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/01/24 12:59	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/01/24 12:59	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/01/24 12:59	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/01/24 12:59	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/01/24 12:59	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/01/24 12:59	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/01/24 12:59	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/01/24 12:59	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 12:59	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/01/24 12:59	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/01/24 12:59	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/01/24 12:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/01/24 12:59	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/01/24 12:59	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/01/24 12:59	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/01/24 12:59	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/01/24 12:59	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/01/24 12:59	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 12:59	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 12:59	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/01/24 12:59	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/01/24 12:59	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/01/24 12:59	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/01/24 12:59	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/01/24 12:59	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/01/24 12:59	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/01/24 12:59	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/01/24 12:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		02/01/24 12:59	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		02/01/24 12:59	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-3 (60)		Lab ID: 35856704002		Collected: 01/29/24 10:33		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		02/01/24 12:59	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	243	mg/L	5.0	5.0	1		01/31/24 15:42		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	372	mg/L	5.0	5.0	1		02/04/24 17:48		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.28 I	mg/L	0.50	0.20	1		02/13/24 14:11		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	60.9	mg/L	5.0	2.5	1		01/31/24 17:23	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	1.2	mg/L	0.050	0.035	1		02/03/24 19:43	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.5	mg/L	0.50	0.20	1	02/01/24 13:04	02/02/24 09:47	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.031 I	mg/L	0.050	0.015	1		01/30/24 07:50		
Nitrogen, Nitrate	0.031 I	mg/L	0.050	0.025	1		01/30/24 07:50	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	42.8	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 10:49		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	12.8	mg/L	1.0	0.50	1		01/31/24 01:52	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-3 (30)		Lab ID: 35856704003		Collected: 01/29/24 11:13		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	7.50	Std. Units			1		01/29/24 11:13		
Field Temperature	25.6	deg C			1		01/29/24 11:13		
Field Specific Conductance	578	umhos/cm			1		01/29/24 11:13		
Oxygen, Dissolved	0.53	mg/L			1		01/29/24 11:13	7782-44-7	
Turbidity	0.40	NTU			1		01/29/24 11:13		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	01/30/24 12:34	01/30/24 20:26	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	01/30/24 12:34	01/30/24 20:26	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Barium	21.5	ug/L	10.0	0.84	1	01/30/24 04:57	02/03/24 15:23	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/30/24 04:57	02/03/24 15:23	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/30/24 04:57	02/03/24 15:23	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/30/24 04:57	02/03/24 15:23	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/30/24 04:57	02/03/24 15:23	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/30/24 04:57	02/03/24 15:23	7440-50-8	
Iron	74.0	ug/L	40.0	25.0	1	01/30/24 04:57	02/03/24 15:23	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/30/24 04:57	02/03/24 15:23	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:23	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/30/24 04:57	02/03/24 15:23	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:23	7440-22-4	
Sodium	34.3	mg/L	2.0	0.54	1	01/30/24 04:57	02/03/24 15:23	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/30/24 04:57	02/03/24 15:23	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/30/24 04:57	02/03/24 15:23	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:09	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:09	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/30/24 04:57	01/30/24 18:09	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/08/24 08:14	02/12/24 10:23	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/01/24 13:23	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/01/24 13:23	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 13:23	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/01/24 13:23	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-3 (30) Lab ID: 35856704003 Collected: 01/29/24 11:13 Received: 01/29/24 15:15 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/01/24 13:23	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/01/24 13:23	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/01/24 13:23	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/01/24 13:23	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/01/24 13:23	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/01/24 13:23	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/01/24 13:23	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/01/24 13:23	75-00-3	J(v1)
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/01/24 13:23	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/01/24 13:23	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/01/24 13:23	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/01/24 13:23	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/01/24 13:23	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/01/24 13:23	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/01/24 13:23	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/01/24 13:23	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/01/24 13:23	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/01/24 13:23	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/01/24 13:23	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/01/24 13:23	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/01/24 13:23	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/01/24 13:23	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 13:23	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/01/24 13:23	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/01/24 13:23	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/01/24 13:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/01/24 13:23	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/01/24 13:23	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/01/24 13:23	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/01/24 13:23	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/01/24 13:23	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/01/24 13:23	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 13:23	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 13:23	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/01/24 13:23	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/01/24 13:23	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/01/24 13:23	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/01/24 13:23	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/01/24 13:23	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/01/24 13:23	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/01/24 13:23	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/01/24 13:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		02/01/24 13:23	460-00-4	
Toluene-d8 (S)	104	%	70-130		1		02/01/24 13:23	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-3 (30)		Lab ID: 35856704003		Collected: 01/29/24 11:13		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		02/01/24 13:23	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	236	mg/L	5.0	5.0	1		02/01/24 17:47		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	316	mg/L	5.0	5.0	1		02/04/24 17:48		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.24 I	mg/L	0.50	0.20	1		02/13/24 14:11		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	36.8	mg/L	5.0	2.5	1		01/31/24 18:29	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.95	mg/L	0.050	0.035	1		02/03/24 19:45	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.2	mg/L	0.50	0.20	1	02/01/24 13:04	02/02/24 09:48	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.082	mg/L	0.050	0.015	1		01/30/24 07:55		
Nitrogen, Nitrate	0.082	mg/L	0.050	0.025	1		01/30/24 07:55	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	28.1	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 10:49		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	8.3	mg/L	1.0	0.50	1		01/31/24 02:06	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-1 (15)		Lab ID: 35856704004		Collected: 01/29/24 11:57		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	7.41	Std. Units			1		01/29/24 11:57		
Field Temperature	25.0	deg C			1		01/29/24 11:57		
Field Specific Conductance	635	umhos/cm			1		01/29/24 11:57		
Oxygen, Dissolved	0.03	mg/L			1		01/29/24 11:57	7782-44-7	
Turbidity	0.65	NTU			1		01/29/24 11:57		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	01/30/24 12:34	01/30/24 20:38	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	01/30/24 12:34	01/30/24 20:38	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Barium	21.3	ug/L	10.0	0.84	1	01/30/24 04:57	02/03/24 15:26	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/30/24 04:57	02/03/24 15:26	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/30/24 04:57	02/03/24 15:26	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/30/24 04:57	02/03/24 15:26	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/30/24 04:57	02/03/24 15:26	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/30/24 04:57	02/03/24 15:26	7440-50-8	
Iron	126	ug/L	40.0	25.0	1	01/30/24 04:57	02/03/24 15:26	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/30/24 04:57	02/03/24 15:26	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:26	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/30/24 04:57	02/03/24 15:26	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:26	7440-22-4	
Sodium	47.0	mg/L	2.0	0.54	1	01/30/24 04:57	02/03/24 15:26	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/30/24 04:57	02/03/24 15:26	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/30/24 04:57	02/03/24 15:26	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:19	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:19	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/30/24 04:57	01/30/24 18:19	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/08/24 08:14	02/12/24 10:25	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/01/24 13:47	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/01/24 13:47	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 13:47	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/01/24 13:47	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-1 (15) Lab ID: 35856704004 Collected: 01/29/24 11:57 Received: 01/29/24 15:15 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/01/24 13:47	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/01/24 13:47	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/01/24 13:47	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/01/24 13:47	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/01/24 13:47	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/01/24 13:47	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/01/24 13:47	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/01/24 13:47	75-00-3	J(v1)
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/01/24 13:47	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/01/24 13:47	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/01/24 13:47	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/01/24 13:47	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/01/24 13:47	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/01/24 13:47	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/01/24 13:47	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/01/24 13:47	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/01/24 13:47	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/01/24 13:47	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/01/24 13:47	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/01/24 13:47	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/01/24 13:47	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/01/24 13:47	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 13:47	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/01/24 13:47	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/01/24 13:47	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/01/24 13:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/01/24 13:47	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/01/24 13:47	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/01/24 13:47	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/01/24 13:47	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/01/24 13:47	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/01/24 13:47	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 13:47	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 13:47	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/01/24 13:47	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/01/24 13:47	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/01/24 13:47	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/01/24 13:47	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/01/24 13:47	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/01/24 13:47	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/01/24 13:47	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/01/24 13:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		02/01/24 13:47	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		02/01/24 13:47	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-1 (15)		Lab ID: 35856704004		Collected: 01/29/24 11:57		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		02/01/24 13:47	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	246	mg/L	5.0	5.0	1		02/01/24 17:59		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	361	mg/L	5.0	5.0	1		02/04/24 17:48		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.20 U	mg/L	0.50	0.20	1		02/13/24 14:11		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	42.7	mg/L	5.0	2.5	1		01/31/24 18:51	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	1.3	mg/L	0.050	0.035	1		02/03/24 19:46	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.5	mg/L	0.50	0.20	1	02/01/24 13:04	02/02/24 09:49	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/30/24 08:11		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/30/24 08:11	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	29.2	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 10:49		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	8.1	mg/L	1.0	0.50	1		01/31/24 02:20	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-1 (30)		Lab ID: 35856704005		Collected: 01/29/24 12:09		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	7.50	Std. Units			1		01/29/24 12:09		
Field Temperature	25.4	deg C			1		01/29/24 12:09		
Field Specific Conductance	473	umhos/cm			1		01/29/24 12:09		
Oxygen, Dissolved	0.03	mg/L			1		01/29/24 12:09	7782-44-7	
Turbidity	0.75	NTU			1		01/29/24 12:09		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	01/30/24 12:34	01/30/24 20:51	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	01/30/24 12:34	01/30/24 20:51	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Barium	17.0	ug/L	10.0	0.84	1	01/30/24 04:57	02/03/24 15:29	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/30/24 04:57	02/03/24 15:29	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/30/24 04:57	02/03/24 15:29	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/30/24 04:57	02/03/24 15:29	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/30/24 04:57	02/03/24 15:29	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/30/24 04:57	02/03/24 15:29	7440-50-8	
Iron	110	ug/L	40.0	25.0	1	01/30/24 04:57	02/03/24 15:29	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/30/24 04:57	02/03/24 15:29	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:29	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/30/24 04:57	02/03/24 15:29	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:29	7440-22-4	
Sodium	21.0	mg/L	2.0	0.54	1	01/30/24 04:57	02/03/24 15:29	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/30/24 04:57	02/03/24 15:29	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/30/24 04:57	02/03/24 15:29	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:21	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:21	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/30/24 04:57	01/30/24 18:21	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/08/24 08:14	02/12/24 10:27	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/01/24 14:10	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/01/24 14:10	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 14:10	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/01/24 14:10	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-1 (30) Lab ID: 35856704005 Collected: 01/29/24 12:09 Received: 01/29/24 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/01/24 14:10	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/01/24 14:10	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/01/24 14:10	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/01/24 14:10	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/01/24 14:10	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/01/24 14:10	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/01/24 14:10	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/01/24 14:10	75-00-3	J(v1)
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/01/24 14:10	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/01/24 14:10	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/01/24 14:10	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/01/24 14:10	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/01/24 14:10	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/01/24 14:10	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/01/24 14:10	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/01/24 14:10	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/01/24 14:10	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/01/24 14:10	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/01/24 14:10	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/01/24 14:10	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/01/24 14:10	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/01/24 14:10	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 14:10	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/01/24 14:10	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/01/24 14:10	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/01/24 14:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/01/24 14:10	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/01/24 14:10	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/01/24 14:10	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/01/24 14:10	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/01/24 14:10	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/01/24 14:10	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 14:10	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 14:10	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/01/24 14:10	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/01/24 14:10	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/01/24 14:10	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/01/24 14:10	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/01/24 14:10	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/01/24 14:10	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/01/24 14:10	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/01/24 14:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		02/01/24 14:10	460-00-4	
Toluene-d8 (S)	104	%	70-130		1		02/01/24 14:10	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-1 (30)		Lab ID: 35856704005		Collected: 01/29/24 12:09		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		02/01/24 14:10	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	200	mg/L	5.0	5.0	1		02/01/24 18:11		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	259	mg/L	5.0	5.0	1		02/04/24 17:48		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.21 I	mg/L	0.50	0.20	1		02/13/24 14:11		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	25.6	mg/L	5.0	2.5	1		01/31/24 19:13	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	1.0	mg/L	0.050	0.035	1		02/03/24 19:48	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.2	mg/L	0.50	0.20	1	02/01/24 13:04	02/02/24 09:51	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/30/24 08:13		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/30/24 08:13	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	24.4	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 10:49		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	9.0	mg/L	1.0	0.50	1		01/31/24 02:31	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-1 (60)		Lab ID: 35856704006		Collected: 01/29/24 12:28		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
		Pace Analytical Services - Ormond Beach							
Field pH	7.40	Std. Units			1		01/29/24 12:28		
Field Temperature	24.9	deg C			1		01/29/24 12:28		
Field Specific Conductance	561	umhos/cm			1		01/29/24 12:28		
Oxygen, Dissolved	0.11	mg/L			1		01/29/24 12:28	7782-44-7	
Turbidity	0.54	NTU			1		01/29/24 12:28		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
		Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	01/30/24 12:34	01/30/24 21:16	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	01/30/24 12:34	01/30/24 21:16	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Barium	13.8	ug/L	10.0	0.84	1	01/30/24 04:57	02/03/24 15:33	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/30/24 04:57	02/03/24 15:33	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/30/24 04:57	02/03/24 15:33	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/30/24 04:57	02/03/24 15:33	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/30/24 04:57	02/03/24 15:33	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/30/24 04:57	02/03/24 15:33	7440-50-8	
Iron	488	ug/L	40.0	25.0	1	01/30/24 04:57	02/03/24 15:33	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/30/24 04:57	02/03/24 15:33	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:33	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/30/24 04:57	02/03/24 15:33	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:33	7440-22-4	
Sodium	32.8	mg/L	2.0	0.54	1	01/30/24 04:57	02/03/24 15:33	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/30/24 04:57	02/03/24 15:33	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/30/24 04:57	02/03/24 15:33	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:29	7440-36-0	
Arsenic	0.53 I	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:29	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/30/24 04:57	01/30/24 18:29	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
		Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/08/24 08:14	02/12/24 10:30	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
		Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/02/24 13:16	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/02/24 13:16	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/02/24 13:16	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/02/24 13:16	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-1 (60)		Lab ID: 35856704006		Collected: 01/29/24 12:28		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/02/24 13:16	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/02/24 13:16	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/02/24 13:16	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/02/24 13:16	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/02/24 13:16	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/02/24 13:16	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/02/24 13:16	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/02/24 13:16	75-00-3	J(v1)
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/02/24 13:16	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/02/24 13:16	74-87-3	J(v2)
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/02/24 13:16	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/02/24 13:16	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/02/24 13:16	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/02/24 13:16	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/02/24 13:16	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/02/24 13:16	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/02/24 13:16	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/02/24 13:16	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/02/24 13:16	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/02/24 13:16	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/02/24 13:16	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/02/24 13:16	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/02/24 13:16	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/02/24 13:16	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/02/24 13:16	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/02/24 13:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/02/24 13:16	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/02/24 13:16	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/02/24 13:16	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/02/24 13:16	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/02/24 13:16	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/02/24 13:16	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/02/24 13:16	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/02/24 13:16	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/02/24 13:16	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/02/24 13:16	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/02/24 13:16	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/02/24 13:16	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/02/24 13:16	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/02/24 13:16	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/02/24 13:16	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/02/24 13:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		02/02/24 13:16	460-00-4	
Toluene-d8 (S)	104	%	70-130		1		02/02/24 13:16	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-1 (60)		Lab ID: 35856704006		Collected: 01/29/24 12:28		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		02/02/24 13:16	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	212	mg/L	5.0	5.0	1		02/04/24 15:18		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	305	mg/L	5.0	5.0	1		02/04/24 20:45		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.27 I	mg/L	0.50	0.20	1		02/13/24 14:11		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	43.7	mg/L	5.0	2.5	1		01/31/24 19:35	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.96	mg/L	0.050	0.035	1		02/03/24 19:53	7664-41-7	J(M1)
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.2	mg/L	0.50	0.20	1	02/01/24 13:04	02/02/24 09:52	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.032 I	mg/L	0.050	0.015	1		01/30/24 08:16		
Nitrogen, Nitrate	0.032 I	mg/L	0.050	0.025	1		01/30/24 08:16	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	34.0	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 10:49		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	10.7	mg/L	1.0	0.50	1		01/31/24 02:43	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-1 (60) DUPLICATE Lab ID: 35856704007 Collected: 01/29/24 12:28 Received: 01/29/24 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	7.40	Std. Units			1		01/29/24 12:28		
Field Temperature	24.9	deg C			1		01/29/24 12:28		
Field Specific Conductance	561	umhos/cm			1		01/29/24 12:28		
Oxygen, Dissolved	0.11	mg/L			1		01/29/24 12:28	7782-44-7	
Turbidity	0.54	NTU			1		01/29/24 12:28		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	01/30/24 12:34	01/30/24 21:28	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	01/30/24 12:34	01/30/24 21:28	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Barium	13.8	ug/L	10.0	0.84	1	01/30/24 04:57	02/03/24 15:36	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/30/24 04:57	02/03/24 15:36	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/30/24 04:57	02/03/24 15:36	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/30/24 04:57	02/03/24 15:36	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/30/24 04:57	02/03/24 15:36	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/30/24 04:57	02/03/24 15:36	7440-50-8	
Iron	485	ug/L	40.0	25.0	1	01/30/24 04:57	02/03/24 15:36	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/30/24 04:57	02/03/24 15:36	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:36	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/30/24 04:57	02/03/24 15:36	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:36	7440-22-4	
Sodium	32.3	mg/L	2.0	0.54	1	01/30/24 04:57	02/03/24 15:36	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/30/24 04:57	02/03/24 15:36	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/30/24 04:57	02/03/24 15:36	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:32	7440-36-0	
Arsenic	0.55 I	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:32	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/30/24 04:57	01/30/24 18:32	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/08/24 08:14	02/12/24 10:32	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/02/24 13:39	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/02/24 13:39	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/02/24 13:39	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/02/24 13:39	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-1 (60) DUPLICATE Lab ID: 35856704007 Collected: 01/29/24 12:28 Received: 01/29/24 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/02/24 13:39	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/02/24 13:39	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/02/24 13:39	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/02/24 13:39	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/02/24 13:39	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/02/24 13:39	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/02/24 13:39	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/02/24 13:39	75-00-3	J(v1)
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/02/24 13:39	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/02/24 13:39	74-87-3	J(v2)
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/02/24 13:39	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/02/24 13:39	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/02/24 13:39	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/02/24 13:39	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/02/24 13:39	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/02/24 13:39	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/02/24 13:39	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/02/24 13:39	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/02/24 13:39	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/02/24 13:39	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/02/24 13:39	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/02/24 13:39	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/02/24 13:39	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/02/24 13:39	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/02/24 13:39	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/02/24 13:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/02/24 13:39	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/02/24 13:39	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/02/24 13:39	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/02/24 13:39	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/02/24 13:39	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/02/24 13:39	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/02/24 13:39	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/02/24 13:39	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/02/24 13:39	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/02/24 13:39	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/02/24 13:39	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/02/24 13:39	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/02/24 13:39	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/02/24 13:39	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/02/24 13:39	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/02/24 13:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		02/02/24 13:39	460-00-4	
Toluene-d8 (S)	104	%	70-130		1		02/02/24 13:39	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-1 (60) DUPLICATE Lab ID: 35856704007 Collected: 01/29/24 12:28 Received: 01/29/24 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		02/02/24 13:39	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO ₃	213	mg/L	5.0	5.0	1		02/04/24 15:42		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	294	mg/L	5.0	5.0	1		02/04/24 20:45		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH ₃ Calculation Pace Analytical Services - Ormond Beach								
Total Organic Nitrogen	0.33 I	mg/L	0.50	0.20	1		02/13/24 14:11		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	43.6	mg/L	5.0	2.5	1		01/31/24 19:57	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	0.91	mg/L	0.050	0.035	1		02/03/24 19:57	7664-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Kjeldahl, Total	1.2	mg/L	0.50	0.20	1	02/01/24 13:04	02/02/24 09:56	7727-37-9	
353.2 Nitrogen, NO₂/NO₃ unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, NO ₂ plus NO ₃	0.033 I	mg/L	0.050	0.015	1		01/30/24 08:17		
Nitrogen, Nitrate	0.033 I	mg/L	0.050	0.025	1		01/30/24 08:17	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	52.2	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	10.7	mg/L	1.0	0.50	1		01/31/24 02:54	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-2 (15)		Lab ID: 35856704008		Collected: 01/29/24 13:22		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
		Pace Analytical Services - Ormond Beach							
Field pH	7.45	Std. Units			1		01/29/24 13:22		
Field Temperature	25.0	deg C			1		01/29/24 13:22		
Field Specific Conductance	758	umhos/cm			1		01/29/24 13:22		
Oxygen, Dissolved	0.39	mg/L			1		01/29/24 13:22	7782-44-7	
Turbidity	1.39	NTU			1		01/29/24 13:22		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
		Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	01/30/24 12:34	01/30/24 21:41	96-12-8	
1,2-Dibromoethane (EDB)	0.0075 U	ug/L	0.010	0.0075	1	01/30/24 12:34	01/30/24 21:41	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Barium	39.9	ug/L	10.0	0.84	1	01/30/24 04:57	02/03/24 15:40	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/30/24 04:57	02/03/24 15:40	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/30/24 04:57	02/03/24 15:40	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/30/24 04:57	02/03/24 15:40	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/30/24 04:57	02/03/24 15:40	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/30/24 04:57	02/03/24 15:40	7440-50-8	
Iron	213	ug/L	40.0	25.0	1	01/30/24 04:57	02/03/24 15:40	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/30/24 04:57	02/03/24 15:40	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:40	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/30/24 04:57	02/03/24 15:40	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:40	7440-22-4	
Sodium	42.9	mg/L	2.0	0.54	1	01/30/24 04:57	02/03/24 15:40	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/30/24 04:57	02/03/24 15:40	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/30/24 04:57	02/03/24 15:40	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:34	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:34	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/30/24 04:57	01/30/24 18:34	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
		Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/08/24 08:14	02/12/24 10:34	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
		Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/02/24 14:02	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/02/24 14:02	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/02/24 14:02	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/02/24 14:02	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-2 (15) Lab ID: 35856704008 Collected: 01/29/24 13:22 Received: 01/29/24 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/02/24 14:02	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/02/24 14:02	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/02/24 14:02	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/02/24 14:02	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/02/24 14:02	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/02/24 14:02	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/02/24 14:02	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/02/24 14:02	75-00-3	J(v1)
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/02/24 14:02	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/02/24 14:02	74-87-3	J(v2)
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/02/24 14:02	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/02/24 14:02	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/02/24 14:02	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/02/24 14:02	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/02/24 14:02	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/02/24 14:02	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/02/24 14:02	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/02/24 14:02	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/02/24 14:02	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/02/24 14:02	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/02/24 14:02	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/02/24 14:02	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/02/24 14:02	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/02/24 14:02	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/02/24 14:02	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/02/24 14:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/02/24 14:02	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/02/24 14:02	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/02/24 14:02	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/02/24 14:02	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/02/24 14:02	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/02/24 14:02	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/02/24 14:02	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/02/24 14:02	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/02/24 14:02	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/02/24 14:02	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/02/24 14:02	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/02/24 14:02	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/02/24 14:02	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/02/24 14:02	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/02/24 14:02	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/02/24 14:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		02/02/24 14:02	460-00-4	
Toluene-d8 (S)	105	%	70-130		1		02/02/24 14:02	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

Sample: RR-2 (15)		Lab ID: 35856704008		Collected: 01/29/24 13:22		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		02/02/24 14:02	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	210	mg/L	5.0	5.0	1		02/04/24 16:02		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	385	mg/L	5.0	5.0	1		02/04/24 20:45		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.20 U	mg/L	0.50	0.20	1		02/13/24 14:11		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	90.3	mg/L	5.0	2.5	1		01/31/24 20:20	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.88	mg/L	0.050	0.035	1		02/03/24 20:02	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.1	mg/L	0.50	0.20	1	02/01/24 13:04	02/02/24 09:57	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/30/24 08:21		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/30/24 08:21	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	31.8	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	7.5	mg/L	1.0	0.50	1		01/31/24 03:08	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-2 (30)		Lab ID: 35856704009		Collected: 01/29/24 13:30		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
		Pace Analytical Services - Ormond Beach							
Field pH	7.45	Std. Units			1		01/29/24 13:30		
Field Temperature	24.6	deg C			1		01/29/24 13:30		
Field Specific Conductance	555	umhos/cm			1		01/29/24 13:30		
Oxygen, Dissolved	0.09	mg/L			1		01/29/24 13:30	7782-44-7	
Turbidity	0.27	NTU			1		01/29/24 13:30		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
		Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	01/30/24 12:34	01/30/24 21:53	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	01/30/24 12:34	01/30/24 21:53	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Barium	18.3	ug/L	10.0	0.84	1	01/30/24 04:57	02/03/24 15:43	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/30/24 04:57	02/03/24 15:43	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/30/24 04:57	02/03/24 15:43	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/30/24 04:57	02/03/24 15:43	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/30/24 04:57	02/03/24 15:43	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/30/24 04:57	02/03/24 15:43	7440-50-8	
Iron	303	ug/L	40.0	25.0	1	01/30/24 04:57	02/03/24 15:43	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/30/24 04:57	02/03/24 15:43	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:43	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/30/24 04:57	02/03/24 15:43	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:43	7440-22-4	
Sodium	31.3	mg/L	2.0	0.54	1	01/30/24 04:57	02/03/24 15:43	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/30/24 04:57	02/03/24 15:43	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/30/24 04:57	02/03/24 15:43	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:37	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:37	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/30/24 04:57	01/30/24 18:37	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
		Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/08/24 08:14	02/12/24 10:36	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
		Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		01/31/24 12:42	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		01/31/24 12:42	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		01/31/24 12:42	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		01/31/24 12:42	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-2 (30) Lab ID: 35856704009 Collected: 01/29/24 13:30 Received: 01/29/24 15:15 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		01/31/24 12:42	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		01/31/24 12:42	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		01/31/24 12:42	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		01/31/24 12:42	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		01/31/24 12:42	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		01/31/24 12:42	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		01/31/24 12:42	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		01/31/24 12:42	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		01/31/24 12:42	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		01/31/24 12:42	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		01/31/24 12:42	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		01/31/24 12:42	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		01/31/24 12:42	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		01/31/24 12:42	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		01/31/24 12:42	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		01/31/24 12:42	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		01/31/24 12:42	75-35-4	J(v1)
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		01/31/24 12:42	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		01/31/24 12:42	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		01/31/24 12:42	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		01/31/24 12:42	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		01/31/24 12:42	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		01/31/24 12:42	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		01/31/24 12:42	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		01/31/24 12:42	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		01/31/24 12:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		01/31/24 12:42	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		01/31/24 12:42	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		01/31/24 12:42	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		01/31/24 12:42	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		01/31/24 12:42	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		01/31/24 12:42	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/31/24 12:42	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/31/24 12:42	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		01/31/24 12:42	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		01/31/24 12:42	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		01/31/24 12:42	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		01/31/24 12:42	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		01/31/24 12:42	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		01/31/24 12:42	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		01/31/24 12:42	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		01/31/24 12:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		01/31/24 12:42	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/31/24 12:42	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-2 (30)		Lab ID: 35856704009		Collected: 01/29/24 13:30		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		01/31/24 12:42	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	209	mg/L	5.0	5.0	1		02/04/24 16:13		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	298	mg/L	5.0	5.0	1		02/04/24 20:45		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.31 I	mg/L	0.50	0.20	1		02/13/24 14:11		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	46.1	mg/L	5.0	2.5	1		01/31/24 20:42	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.80	mg/L	0.050	0.035	1		02/03/24 20:04	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.1	mg/L	0.50	0.20	1	02/01/24 13:04	02/02/24 09:58	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/30/24 08:27		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/30/24 08:27	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	28.1	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	9.1	mg/L	1.0	0.50	1		01/31/24 03:20	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-2 (60)		Lab ID: 35856704010		Collected: 01/29/24 13:51		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	7.20	Std. Units			1		01/29/24 13:51		
Field Temperature	24.3	deg C			1		01/29/24 13:51		
Field Specific Conductance	1657	umhos/cm			1		01/29/24 13:51		
Oxygen, Dissolved	0.04	mg/L			1		01/29/24 13:51	7782-44-7	
Turbidity	0.27	NTU			1		01/29/24 13:51		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.020	0.0066	1	01/30/24 12:34	01/30/24 22:05	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	01/30/24 12:34	01/30/24 22:05	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Barium	61.4	ug/L	10.0	0.84	1	01/30/24 04:57	02/03/24 15:47	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/30/24 04:57	02/03/24 15:47	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/30/24 04:57	02/03/24 15:47	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/30/24 04:57	02/03/24 15:47	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/30/24 04:57	02/03/24 15:47	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/30/24 04:57	02/03/24 15:47	7440-50-8	
Iron	287	ug/L	40.0	25.0	1	01/30/24 04:57	02/03/24 15:47	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/30/24 04:57	02/03/24 15:47	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:47	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/30/24 04:57	02/03/24 15:47	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:47	7440-22-4	
Sodium	146	mg/L	2.0	0.54	1	01/30/24 04:57	02/03/24 15:47	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/30/24 04:57	02/03/24 15:47	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/30/24 04:57	02/03/24 15:47	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:39	7440-36-0	
Arsenic	0.58 I	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:39	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/30/24 04:57	01/30/24 18:39	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/08/24 08:14	02/12/24 10:39	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		01/31/24 13:05	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		01/31/24 13:05	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		01/31/24 13:05	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		01/31/24 13:05	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-2 (60) Lab ID: 35856704010 Collected: 01/29/24 13:51 Received: 01/29/24 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		01/31/24 13:05	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		01/31/24 13:05	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		01/31/24 13:05	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		01/31/24 13:05	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		01/31/24 13:05	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		01/31/24 13:05	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		01/31/24 13:05	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		01/31/24 13:05	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		01/31/24 13:05	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		01/31/24 13:05	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		01/31/24 13:05	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		01/31/24 13:05	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		01/31/24 13:05	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		01/31/24 13:05	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		01/31/24 13:05	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		01/31/24 13:05	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		01/31/24 13:05	75-35-4	J(v1)
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		01/31/24 13:05	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		01/31/24 13:05	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		01/31/24 13:05	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		01/31/24 13:05	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		01/31/24 13:05	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		01/31/24 13:05	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		01/31/24 13:05	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		01/31/24 13:05	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		01/31/24 13:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		01/31/24 13:05	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		01/31/24 13:05	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		01/31/24 13:05	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		01/31/24 13:05	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		01/31/24 13:05	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		01/31/24 13:05	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/31/24 13:05	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/31/24 13:05	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		01/31/24 13:05	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		01/31/24 13:05	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		01/31/24 13:05	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		01/31/24 13:05	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		01/31/24 13:05	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		01/31/24 13:05	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		01/31/24 13:05	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		01/31/24 13:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/31/24 13:05	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/31/24 13:05	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: RR-2 (60)		Lab ID: 35856704010		Collected: 01/29/24 13:51		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		01/31/24 13:05	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	201	mg/L	5.0	5.0	1		02/04/24 16:25		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	922	mg/L	10.0	10.0	1		02/04/24 20:45		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.20 U	mg/L	0.50	0.20	1		02/13/24 14:11		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	384	mg/L	25.0	12.5	5		01/31/24 21:04	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	1.8	mg/L	0.050	0.035	1		02/03/24 20:05	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.8	mg/L	0.50	0.20	1	02/01/24 13:04	02/02/24 10:00	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.018 I	mg/L	0.050	0.015	1		01/30/24 08:28		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/30/24 08:28	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	75.4	mg/L	40.0	25.0	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	10	mg/L	1.0	0.50	1		01/31/24 03:31	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: EQ BLANK 012924 Lab ID: 35856704011 Collected: 01/29/24 14:10 Received: 01/29/24 15:15 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									
Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	01/30/24 12:34	01/30/24 22:18	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	01/30/24 12:34	01/30/24 22:18	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Barium	0.84 U	ug/L	10.0	0.84	1	01/30/24 04:57	02/03/24 15:50	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/30/24 04:57	02/03/24 15:50	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/30/24 04:57	02/03/24 15:50	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/30/24 04:57	02/03/24 15:50	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/30/24 04:57	02/03/24 15:50	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/30/24 04:57	02/03/24 15:50	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	01/30/24 04:57	02/03/24 15:50	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/30/24 04:57	02/03/24 15:50	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:50	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/30/24 04:57	02/03/24 15:50	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/30/24 04:57	02/03/24 15:50	7440-22-4	
Sodium	0.54 U	mg/L	2.0	0.54	1	01/30/24 04:57	02/03/24 15:50	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/30/24 04:57	02/03/24 15:50	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/30/24 04:57	02/03/24 15:50	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:42	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/30/24 04:57	01/30/24 18:42	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/30/24 04:57	01/30/24 18:42	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Ormond Beach									
Mercury	0.14 U	ug/L	0.20	0.14	1	02/08/24 08:14	02/12/24 10:41	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Acetone	10.6 I	ug/L	25.0	8.7	1		01/31/24 13:29	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		01/31/24 13:29	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		01/31/24 13:29	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		01/31/24 13:29	74-97-5	
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		01/31/24 13:29	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		01/31/24 13:29	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		01/31/24 13:29	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		01/31/24 13:29	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		01/31/24 13:29	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		01/31/24 13:29	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		01/31/24 13:29	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		01/31/24 13:29	75-00-3	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: EQ BLANK 012924 Lab ID: 35856704011 Collected: 01/29/24 14:10 Received: 01/29/24 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Chloroform	0.56 U	ug/L	1.0	0.56	1		01/31/24 13:29	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		01/31/24 13:29	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		01/31/24 13:29	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		01/31/24 13:29	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		01/31/24 13:29	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		01/31/24 13:29	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		01/31/24 13:29	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		01/31/24 13:29	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		01/31/24 13:29	75-35-4	J(v1)
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		01/31/24 13:29	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		01/31/24 13:29	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		01/31/24 13:29	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		01/31/24 13:29	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		01/31/24 13:29	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		01/31/24 13:29	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		01/31/24 13:29	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		01/31/24 13:29	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		01/31/24 13:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		01/31/24 13:29	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		01/31/24 13:29	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		01/31/24 13:29	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		01/31/24 13:29	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		01/31/24 13:29	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		01/31/24 13:29	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/31/24 13:29	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/31/24 13:29	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		01/31/24 13:29	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		01/31/24 13:29	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		01/31/24 13:29	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		01/31/24 13:29	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		01/31/24 13:29	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		01/31/24 13:29	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		01/31/24 13:29	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		01/31/24 13:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/31/24 13:29	460-00-4	
Toluene-d8 (S)	105	%	70-130		1		01/31/24 13:29	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		01/31/24 13:29	2199-69-1	

2320B Alkalinity

Analytical Method: SM 2320B

Pace Analytical Services - Ormond Beach

Alkalinity, Total as CaCO3	5.0 U	mg/L	5.0	5.0	1		02/04/24 16:29		

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Sample: EQ BLANK 012924		Lab ID: 35856704011		Collected: 01/29/24 14:10		Received: 01/29/24 15:15		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	5.0 U	mg/L	5.0	5.0	1		02/04/24 20:45		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.20 U	mg/L	0.50	0.20	1		02/13/24 14:11		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	2.5 U	mg/L	5.0	2.5	1		01/31/24 21:26	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		02/03/24 20:07	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	0.20 U	mg/L	0.50	0.20	1	02/01/24 13:04	02/02/24 10:01	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/30/24 08:30		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/30/24 08:30	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	12.5 U	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	0.50 U	mg/L	1.0	0.50	1		01/31/24 05:03	7440-44-0	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch:	987371	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856704001, 35856704002, 35856704003, 35856704004, 35856704005, 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011		

METHOD BLANK:	5429859	Matrix:	Water
Associated Lab Samples:	35856704001, 35856704002, 35856704003, 35856704004, 35856704005, 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.14 U	0.20	0.14	02/12/24 09:53	

LABORATORY CONTROL SAMPLE: 5429860						
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: 5429861 5429862												
Parameter	Units	35856493006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.14 U	2	2	2.1	2.1	104	102	75-125	2	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch:	984879	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856704001, 35856704002, 35856704003, 35856704004, 35856704005, 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011		

METHOD BLANK: 5416745 Matrix: Water
Associated Lab Samples: 35856704001, 35856704002, 35856704003, 35856704004, 35856704005, 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	02/03/24 14:51	
Beryllium	ug/L	0.17 U	4.0	0.17	02/03/24 14:51	
Cadmium	ug/L	0.33 U	1.0	0.33	02/03/24 14:51	
Chromium	ug/L	1.7 U	5.0	1.7	02/03/24 14:51	
Cobalt	ug/L	0.96 U	10.0	0.96	02/03/24 14:51	
Copper	ug/L	2.6 U	5.0	2.6	02/03/24 14:51	
Iron	ug/L	25.0 U	40.0	25.0	02/03/24 14:51	
Lead	ug/L	2.1 U	10.0	2.1	02/03/24 14:51	
Nickel	ug/L	1.0 U	5.0	1.0	02/03/24 14:51	
Selenium	ug/L	3.9 U	15.0	3.9	02/03/24 14:51	
Silver	ug/L	1.0 U	5.0	1.0	02/03/24 14:51	
Sodium	mg/L	0.54 U	2.0	0.54	02/03/24 14:51	
Vanadium	ug/L	1.0 U	10.0	1.0	02/03/24 14:51	
Zinc	ug/L	11.0 U	20.0	11.0	02/03/24 14:51	

LABORATORY CONTROL SAMPLE: 5416746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	271	108	80-120	
Beryllium	ug/L	25	25.3	101	80-120	
Cadmium	ug/L	25	25.2	101	80-120	
Chromium	ug/L	250	254	102	80-120	
Cobalt	ug/L	250	254	102	80-120	
Copper	ug/L	250	259	104	80-120	
Iron	ug/L	2500	2540	101	80-120	
Lead	ug/L	250	262	105	80-120	
Nickel	ug/L	250	259	104	80-120	
Selenium	ug/L	250	254	101	80-120	
Silver	ug/L	25	25.1	100	80-120	
Sodium	mg/L	12.5	12.7	102	80-120	
Vanadium	ug/L	250	255	102	80-120	
Zinc	ug/L	1250	1260	101	80-120	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5416747 5416748											
Parameter	Units	35856704001		MS	MSD	MS		MS	MSD	% Rec	Max
		Result		Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD
Barium	ug/L	21.5		250	250	285	281	105	104	75-125	1 20
Beryllium	ug/L	0.17 U		25	25	25.3	25.0	101	100	75-125	1 20
Cadmium	ug/L	0.33 U		25	25	24.9	24.6	99	98	75-125	1 20
Chromium	ug/L	1.7 U		250	250	252	249	101	100	75-125	1 20
Cobalt	ug/L	0.96 U		250	250	250	247	100	99	75-125	1 20
Copper	ug/L	2.6 U		250	250	258	254	102	101	75-125	1 20
Iron	ug/L	38.7 I		2500	2500	2550	2620	101	103	75-125	3 20
Lead	ug/L	2.1 U		250	250	255	254	102	101	75-125	1 20
Nickel	ug/L	1.0 U		250	250	256	253	102	101	75-125	1 20
Selenium	ug/L	3.9 U		250	250	250	247	100	99	75-125	1 20
Silver	ug/L	1.0 U		25	25	24.8	24.7	99	99	75-125	0 20
Sodium	mg/L	29.2		12.5	12.5	41.9	43.0	102	110	75-125	3 20
Vanadium	ug/L	1.8 I		250	250	256	254	102	101	75-125	1 20
Zinc	ug/L	11.0 U		1250	1250	1240	1230	99	98	75-125	1 20

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch:	984880	Analysis Method:	EPA 6020
QC Batch Method:	EPA 3010	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856704001, 35856704002, 35856704003, 35856704004, 35856704005, 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011		

METHOD BLANK: 5416749 Matrix: Water
Associated Lab Samples: 35856704001, 35856704002, 35856704003, 35856704004, 35856704005, 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	01/30/24 17:58	
Arsenic	ug/L	0.50 U	1.0	0.50	01/30/24 17:58	
Thallium	ug/L	0.11 U	1.0	0.11	01/30/24 17:58	

LABORATORY CONTROL SAMPLE: 5416750

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	47.4	95	80-120	
Arsenic	ug/L	50	52.0	104	80-120	
Thallium	ug/L	50	52.6	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5416751 5416752

Parameter	Units	35856704003 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	46.5	46.6	93	93	75-125	0	20	
Arsenic	ug/L	0.50 U	50	50	50.4	50.8	100	101	75-125	1	20	
Thallium	ug/L	0.11 U	50	50	50.7	50.1	101	100	75-125	1	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch:	985350	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856704009, 35856704010, 35856704011

METHOD BLANK: 5418852 Matrix: Water
Associated Lab Samples: 35856704009, 35856704010, 35856704011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/31/24 10:44	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/31/24 10:44	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/31/24 10:44	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/31/24 10:44	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/31/24 10:44	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/31/24 10:44	J(v1)
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/31/24 10:44	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/31/24 10:44	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/31/24 10:44	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/31/24 10:44	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	01/31/24 10:44	
2-Hexanone	ug/L	6.6 U	25.0	6.6	01/31/24 10:44	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/31/24 10:44	
Acetone	ug/L	8.7 U	25.0	8.7	01/31/24 10:44	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/31/24 10:44	
Benzene	ug/L	0.30 U	1.0	0.30	01/31/24 10:44	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/31/24 10:44	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/31/24 10:44	
Bromoform	ug/L	0.48 U	3.0	0.48	01/31/24 10:44	
Bromomethane	ug/L	3.9 U	10.0	3.9	01/31/24 10:44	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/31/24 10:44	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/31/24 10:44	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/31/24 10:44	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/31/24 10:44	
Chloroform	ug/L	0.56 U	1.0	0.56	01/31/24 10:44	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/31/24 10:44	
cis-1,2-Dichloroethene	ug/L	0.31 I	1.0	0.27	01/31/24 10:44	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/31/24 10:44	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/31/24 10:44	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/31/24 10:44	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/31/24 10:44	
Iodomethane	ug/L	3.6 U	10.0	3.6	01/31/24 10:44	J(v2)
m&p-Xylene	ug/L	0.75 U	4.0	0.75	01/31/24 10:44	
Methylene Chloride	ug/L	2.0 I	5.0	1.7	01/31/24 10:44	
o-Xylene	ug/L	0.57 U	1.0	0.57	01/31/24 10:44	
Styrene	ug/L	0.26 U	1.0	0.26	01/31/24 10:44	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/31/24 10:44	
Toluene	ug/L	0.33 U	1.0	0.33	01/31/24 10:44	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/31/24 10:44	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/31/24 10:44	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

METHOD BLANK: 5418852 Matrix: Water

Associated Lab Samples: 35856704009, 35856704010, 35856704011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/31/24 10:44	J(v2)
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/31/24 10:44	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	01/31/24 10:44	J(v1)
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/31/24 10:44	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/31/24 10:44	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/31/24 10:44	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130		01/31/24 10:44	
4-Bromofluorobenzene (S)	%	102	70-130		01/31/24 10:44	
Toluene-d8 (S)	%	102	70-130		01/31/24 10:44	

LABORATORY CONTROL SAMPLE: 5418853

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.4	97	70-130	
1,1,1-Trichloroethane	ug/L	20	20.2	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.9	89	68-125	
1,1,2-Trichloroethane	ug/L	20	18.4	92	70-130	
1,1-Dichloroethane	ug/L	20	19.2	96	70-130	
1,1-Dichloroethene	ug/L	20	24.2	121	66-133	J(v1)
1,2,3-Trichloropropane	ug/L	20	17.9	89	62-127	
1,2-Dichlorobenzene	ug/L	20	18.4	92	70-130	
1,2-Dichloropropane	ug/L	20	17.5	87	70-130	
1,4-Dichlorobenzene	ug/L	20	19.0	95	70-130	
2-Butanone (MEK)	ug/L	100	82.9	83	47-143	
2-Hexanone	ug/L	100	87.4	87	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	84.4	84	57-132	
Acetone	ug/L	100	81.8	82	46-148	
Acrylonitrile	ug/L	100	88.2	88	60-143	
Benzene	ug/L	20	17.8	89	70-130	
Bromochloromethane	ug/L	20	18.7	93	70-130	
Bromodichloromethane	ug/L	20	19.9	99	70-130	
Bromoform	ug/L	20	18.1	91	49-126	
Bromomethane	ug/L	20	7.8 I	39	10-165	J(v2)
Carbon disulfide	ug/L	20	22.5	113	60-141	
Carbon tetrachloride	ug/L	20	20.0	100	63-126	
Chlorobenzene	ug/L	20	19.4	97	70-130	
Chloroethane	ug/L	20	23.6	118	71-142	
Chloroform	ug/L	20	19.0	95	70-130	
Chloromethane	ug/L	20	20.1	101	40-140	
cis-1,2-Dichloroethene	ug/L	20	20.0	100	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.9	89	70-130	
Dibromochloromethane	ug/L	20	19.2	96	62-118	
Dibromomethane	ug/L	20	19.1	95	70-130	
Ethylbenzene	ug/L	20	19.6	98	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

LABORATORY CONTROL SAMPLE: 5418853

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	5.3 I	27	10-164	J(v2)
m&p-Xylene	ug/L	40	40.7	102	70-130	
Methylene Chloride	ug/L	20	19.6	98	65-136	
o-Xylene	ug/L	20	19.2	96	70-130	
Styrene	ug/L	20	19.3	96	70-130	
Tetrachloroethene	ug/L	20	19.5	98	64-134	
Toluene	ug/L	20	18.7	93	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.0	95	68-127	
trans-1,3-Dichloropropene	ug/L	20	18.6	93	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	14.3	72	42-129	J(v3)
Trichloroethene	ug/L	20	20.2	101	70-130	
Trichlorofluoromethane	ug/L	20	26.1	130	65-135	J(v1)
Vinyl acetate	ug/L	20	17.9	89	60-144	
Vinyl chloride	ug/L	20	17.9	89	68-131	
Xylene (Total)	ug/L	60	59.9	100	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 5418861

Parameter	Units	35856950002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	19.0	95	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	20.1	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	17.2	86	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	17.7	88	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	21.9	110	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	24.4	122	66-133	J(v1)
1,2,3-Trichloropropane	ug/L	0.53 U	20	17.0	85	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.5	87	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	17.8	89	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	17.3	86	70-130	
2-Butanone (MEK)	ug/L	6.7 U	100	83.6	84	47-143	
2-Hexanone	ug/L	6.6 U	100	81.7	82	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	77.3	77	57-132	
Acetone	ug/L	8.7 U	100	97.7	94	46-148	
Acrylonitrile	ug/L	3.7 U	100	95.1	95	60-143	
Benzene	ug/L	0.30 U	20	18.3	91	70-130	
Bromochloromethane	ug/L	0.37 U	20	17.8	89	70-130	
Bromodichloromethane	ug/L	0.19 U	20	19.6	98	70-130	
Bromoform	ug/L	0.48 U	20	17.8	89	49-126	
Bromomethane	ug/L	3.9 U	20	5.9 I	29	10-165	J(v2)
Carbon disulfide	ug/L	1.8 U	20	22.5	112	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	19.5	98	63-126	
Chlorobenzene	ug/L	0.35 U	20	18.6	93	70-130	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

MATRIX SPIKE SAMPLE: 5418861		35856950002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Chloroethane	ug/L	3.7 U	20	28.1	141	71-142	
Chloroform	ug/L	0.56 U	20	19.6	98	70-130	
Chloromethane	ug/L	0.43 U	20	20.9	104	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	18.5	92	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	16.9	84	70-130	
Dibromochloromethane	ug/L	0.45 U	20	18.6	93	62-118	
Dibromomethane	ug/L	0.68 U	20	18.1	90	70-130	
Ethylbenzene	ug/L	0.30 U	20	18.2	91	70-130	
Iodomethane	ug/L	3.6 U	20	5.2 I	25	10-164 J(v2)	
m&p-Xylene	ug/L	0.75 U	40	37.5	94	70-130	
Methylene Chloride	ug/L	1.7 U	20	20.9	104	65-136	
o-Xylene	ug/L	0.57 U	20	18.3	91	70-130	
Styrene	ug/L	0.26 U	20	18.3	91	70-130	
Tetrachloroethene	ug/L	0.38 U	20	17.0	85	64-134	
Toluene	ug/L	0.33 U	20	17.7	89	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	20.0	100	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	16.9	85	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	13.7	69	42-129 J(v3)	
Trichloroethene	ug/L	0.36 U	20	18.5	93	70-130	
Trichlorofluoromethane	ug/L	0.72 U	20	32.4	162	65-135 J(M1),J(v1)	
Vinyl acetate	ug/L	1.8 U	20	15.3	77	60-144	
Vinyl chloride	ug/L	0.39 U	20	20.3	101	68-131	
Xylene (Total)	ug/L	2.1 U	60	55.8	93	70-130	
1,2-Dichlorobenzene-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 5418860

Parameter	Units	35856950001	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40 J(v1)	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.7 U	6.7 U		40	
2-Hexanone	ug/L	6.6 U	6.6 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	8.7 U	8.7 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

SAMPLE DUPLICATE: 5418860

Parameter	Units	35856950001 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	J(v2)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	3.6 U	3.6 U		40	J(v2)
m&p-Xylene	ug/L	0.75 U	0.75 U		40	
Methylene Chloride	ug/L	1.7 U	1.7 U		40	
o-Xylene	ug/L	0.57 U	0.57 U		40	
Styrene	ug/L	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	J(v2)
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.72 U	0.72 U		40	J(v1)
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	104	101		40	
4-Bromofluorobenzene (S)	%	102	101		40	
Toluene-d8 (S)	%	102	101		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch:	985703	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856704001, 35856704002, 35856704003, 35856704004, 35856704005

METHOD BLANK:	5420759	Matrix:	Water

Associated Lab Samples: 35856704001, 35856704002, 35856704003, 35856704004, 35856704005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	02/01/24 11:26	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	02/01/24 11:26	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	02/01/24 11:26	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	02/01/24 11:26	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	02/01/24 11:26	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	02/01/24 11:26	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	02/01/24 11:26	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	02/01/24 11:26	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	02/01/24 11:26	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	02/01/24 11:26	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	02/01/24 11:26	
2-Hexanone	ug/L	6.6 U	25.0	6.6	02/01/24 11:26	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	02/01/24 11:26	
Acetone	ug/L	8.7 U	25.0	8.7	02/01/24 11:26	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	02/01/24 11:26	
Benzene	ug/L	0.30 U	1.0	0.30	02/01/24 11:26	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	02/01/24 11:26	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	02/01/24 11:26	
Bromoform	ug/L	0.48 U	3.0	0.48	02/01/24 11:26	
Bromomethane	ug/L	3.9 U	10.0	3.9	02/01/24 11:26	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	02/01/24 11:26	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	02/01/24 11:26	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	02/01/24 11:26	
Chloroethane	ug/L	3.7 U	10.0	3.7	02/01/24 11:26	J(v1)
Chloroform	ug/L	0.56 U	1.0	0.56	02/01/24 11:26	
Chloromethane	ug/L	0.43 U	1.0	0.43	02/01/24 11:26	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	02/01/24 11:26	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	02/01/24 11:26	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	02/01/24 11:26	
Dibromomethane	ug/L	0.68 U	2.0	0.68	02/01/24 11:26	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	02/01/24 11:26	
Iodomethane	ug/L	3.6 U	10.0	3.6	02/01/24 11:26	J(v2)
m&p-Xylene	ug/L	0.75 U	4.0	0.75	02/01/24 11:26	
Methylene Chloride	ug/L	1.9 I	5.0	1.7	02/01/24 11:26	
o-Xylene	ug/L	0.57 U	1.0	0.57	02/01/24 11:26	
Styrene	ug/L	0.26 U	1.0	0.26	02/01/24 11:26	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	02/01/24 11:26	
Toluene	ug/L	0.33 U	1.0	0.33	02/01/24 11:26	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	02/01/24 11:26	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	02/01/24 11:26	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

METHOD BLANK: 5420759

Matrix: Water

Associated Lab Samples: 35856704001, 35856704002, 35856704003, 35856704004, 35856704005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	02/01/24 11:26	J(v2)
Trichloroethene	ug/L	0.36 U	1.0	0.36	02/01/24 11:26	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	02/01/24 11:26	J(v1)
Vinyl acetate	ug/L	1.8 U	10.0	1.8	02/01/24 11:26	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	02/01/24 11:26	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	02/01/24 11:26	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130		02/01/24 11:26	
4-Bromofluorobenzene (S)	%	99	70-130		02/01/24 11:26	
Toluene-d8 (S)	%	104	70-130		02/01/24 11:26	

LABORATORY CONTROL SAMPLE: 5420760

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.8	89	70-130	
1,1,1-Trichloroethane	ug/L	20	19.0	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.5	87	68-125	
1,1,2-Trichloroethane	ug/L	20	17.3	87	70-130	
1,1-Dichloroethane	ug/L	20	18.5	93	70-130	
1,1-Dichloroethene	ug/L	20	21.0	105	66-133	
1,2,3-Trichloropropane	ug/L	20	17.8	89	62-127	
1,2-Dichlorobenzene	ug/L	20	18.0	90	70-130	
1,2-Dichloropropane	ug/L	20	17.6	88	70-130	
1,4-Dichlorobenzene	ug/L	20	17.9	89	70-130	
2-Butanone (MEK)	ug/L	100	97.6	98	47-143	
2-Hexanone	ug/L	100	94.2	94	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	91.0	91	57-132	
Acetone	ug/L	100	105	105	46-148	
Acrylonitrile	ug/L	100	91.8	92	60-143	
Benzene	ug/L	20	18.1	90	70-130	
Bromochloromethane	ug/L	20	17.5	88	70-130	
Bromodichloromethane	ug/L	20	19.7	98	70-130	
Bromoform	ug/L	20	17.4	87	49-126	
Bromomethane	ug/L	20	3.9 U	15	10-165	J(v3)
Carbon disulfide	ug/L	20	21.7	109	60-141	
Carbon tetrachloride	ug/L	20	18.8	94	63-126	
Chlorobenzene	ug/L	20	18.4	92	70-130	
Chloroethane	ug/L	20	25.7	129	71-142	J(v1)
Chloroform	ug/L	20	18.5	93	70-130	
Chloromethane	ug/L	20	17.4	87	40-140	
cis-1,2-Dichloroethene	ug/L	20	18.9	94	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.4	92	70-130	
Dibromochloromethane	ug/L	20	17.9	90	62-118	
Dibromomethane	ug/L	20	18.5	92	70-130	
Ethylbenzene	ug/L	20	18.4	92	70-130	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

LABORATORY CONTROL SAMPLE: 5420760

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	4.5 I	22	10-164	J(v3)
m&p-Xylene	ug/L	40	38.1	95	70-130	
Methylene Chloride	ug/L	20	19.8	99	65-136	
o-Xylene	ug/L	20	18.2	91	70-130	
Styrene	ug/L	20	18.8	94	70-130	
Tetrachloroethene	ug/L	20	18.2	91	64-134	
Toluene	ug/L	20	17.9	90	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.5	92	68-127	
trans-1,3-Dichloropropene	ug/L	20	17.7	89	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	15.0	75	42-129	J(v3)
Trichloroethene	ug/L	20	18.1	90	70-130	
Trichlorofluoromethane	ug/L	20	25.8	129	65-135	J(v1)
Vinyl acetate	ug/L	20	18.4	92	60-144	
Vinyl chloride	ug/L	20	19.5	97	68-131	
Xylene (Total)	ug/L	60	56.4	94	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 5420762

Parameter	Units	35857215002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	17.5	87	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	18.6	93	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	16.2	81	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	17.2	86	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	18.3	91	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	21.6	108	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	15.8	79	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	15.4	77	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	17.1	85	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	15.8	79	70-130	
2-Butanone (MEK)	ug/L	6.7 U	100	76.4	76	47-143	
2-Hexanone	ug/L	6.6 U	100	67.8	68	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	67.6	68	57-132	
Acetone	ug/L	8.7 U	100	86.3	86	46-148	
Acrylonitrile	ug/L	3.7 U	100	85.8	86	60-143	
Benzene	ug/L	0.30 U	20	17.3	86	70-130	
Bromochloromethane	ug/L	0.37 U	20	16.1	80	70-130	
Bromodichloromethane	ug/L	0.19 U	20	18.6	93	70-130	
Bromoform	ug/L	0.48 U	20	16.5	83	49-126	
Bromomethane	ug/L	3.9 U	20	5.1 I	26	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	20.5	103	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	18.3	91	63-126	
Chlorobenzene	ug/L	0.35 U	20	17.4	87	70-130	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

MATRIX SPIKE SAMPLE: 5420762		35857215002	Spike	MS	MS	% Rec	Qualifiers
Parameter	Units	Result	Conc.	Result	% Rec	Limits	
Chloroethane	ug/L	3.7 U	20	29.7	149	71-142	J(M1),J(v1)
Chloroform	ug/L	0.56 U	20	17.3	86	70-130	
Chloromethane	ug/L	0.43 U	20	19.8	99	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	18.3	92	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	16.3	82	70-130	
Dibromochloromethane	ug/L	0.45 U	20	17.4	87	62-118	
Dibromomethane	ug/L	0.68 U	20	17.2	86	70-130	
Ethylbenzene	ug/L	0.30 U	20	17.5	87	70-130	
Iodomethane	ug/L	3.6 U	20	3.9 I	19	10-164	J(v3)
m&p-Xylene	ug/L	0.75 U	40	35.4	88	70-130	
Methylene Chloride	ug/L	1.7 U	20	17.6	88	65-136	
o-Xylene	ug/L	0.57 U	20	17.2	86	70-130	
Styrene	ug/L	0.26 U	20	17.3	87	70-130	
Tetrachloroethene	ug/L	0.38 U	20	15.7	79	64-134	
Toluene	ug/L	0.33 U	20	17.2	86	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	17.4	87	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	16.9	84	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	14.0	70	42-129	J(v3)
Trichloroethene	ug/L	0.36 U	20	16.7	84	70-130	
Trichlorofluoromethane	ug/L	0.72 U	20	31.1	156	65-135	J(M1),J(v1)
Vinyl acetate	ug/L	1.8 U	20	15.9	80	60-144	
Vinyl chloride	ug/L	0.39 U	20	23.6	118	68-131	
Xylene (Total)	ug/L	2.1 U	60	52.6	88	70-130	
1,2-Dichlorobenzene-d4 (S)	%				103	70-130	
4-Bromofluorobenzene (S)	%				104	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 5420761

Parameter	Units	35857215001	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.7 U	6.7 U		40	
2-Hexanone	ug/L	6.6 U	6.6 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	8.7 U	8.7 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

SAMPLE DUPLICATE: 5420761

Parameter	Units	35857215001 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	J(v2)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	J(v1)
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	3.6 U	3.6 U		40	J(v2)
m&p-Xylene	ug/L	0.75 U	0.75 U		40	
Methylene Chloride	ug/L	1.7 U	1.7 U		40	
o-Xylene	ug/L	0.57 U	0.57 U		40	
Styrene	ug/L	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	J(v2)
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.72 U	0.72 U		40	J(v1)
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	99	102		40	
4-Bromofluorobenzene (S)	%	101	99		40	
Toluene-d8 (S)	%	105	102		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch:	986006	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856704006, 35856704007, 35856704008

METHOD BLANK: 5422271 Matrix: Water
Associated Lab Samples: 35856704006, 35856704007, 35856704008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	02/02/24 10:31	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	02/02/24 10:31	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	02/02/24 10:31	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	02/02/24 10:31	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	02/02/24 10:31	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	02/02/24 10:31	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	02/02/24 10:31	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	02/02/24 10:31	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	02/02/24 10:31	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	02/02/24 10:31	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	02/02/24 10:31	
2-Hexanone	ug/L	6.6 U	25.0	6.6	02/02/24 10:31	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	02/02/24 10:31	
Acetone	ug/L	8.7 U	25.0	8.7	02/02/24 10:31	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	02/02/24 10:31	
Benzene	ug/L	0.30 U	1.0	0.30	02/02/24 10:31	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	02/02/24 10:31	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	02/02/24 10:31	
Bromoform	ug/L	0.48 U	3.0	0.48	02/02/24 10:31	
Bromomethane	ug/L	3.9 U	10.0	3.9	02/02/24 10:31	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	02/02/24 10:31	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	02/02/24 10:31	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	02/02/24 10:31	
Chloroethane	ug/L	3.7 U	10.0	3.7	02/02/24 10:31	J(v1)
Chloroform	ug/L	0.56 U	1.0	0.56	02/02/24 10:31	
Chloromethane	ug/L	0.43 U	1.0	0.43	02/02/24 10:31	J(v2)
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	02/02/24 10:31	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	02/02/24 10:31	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	02/02/24 10:31	
Dibromomethane	ug/L	0.68 U	2.0	0.68	02/02/24 10:31	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	02/02/24 10:31	
Iodomethane	ug/L	3.6 U	10.0	3.6	02/02/24 10:31	J(v2)
m&p-Xylene	ug/L	0.75 U	4.0	0.75	02/02/24 10:31	
Methylene Chloride	ug/L	1.7 U	5.0	1.7	02/02/24 10:31	
o-Xylene	ug/L	0.57 U	1.0	0.57	02/02/24 10:31	
Styrene	ug/L	0.26 U	1.0	0.26	02/02/24 10:31	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	02/02/24 10:31	
Toluene	ug/L	0.33 U	1.0	0.33	02/02/24 10:31	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	02/02/24 10:31	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	02/02/24 10:31	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

METHOD BLANK: 5422271

Matrix: Water

Associated Lab Samples: 35856704006, 35856704007, 35856704008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	02/02/24 10:31	
Trichloroethene	ug/L	0.36 U	1.0	0.36	02/02/24 10:31	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	02/02/24 10:31	J(v1)
Vinyl acetate	ug/L	1.8 U	10.0	1.8	02/02/24 10:31	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	02/02/24 10:31	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	02/02/24 10:31	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130		02/02/24 10:31	
4-Bromofluorobenzene (S)	%	97	70-130		02/02/24 10:31	
Toluene-d8 (S)	%	104	70-130		02/02/24 10:31	

LABORATORY CONTROL SAMPLE: 5422272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.8	89	70-130	
1,1,1-Trichloroethane	ug/L	20	19.5	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.5	92	68-125	
1,1,2-Trichloroethane	ug/L	20	17.7	88	70-130	
1,1-Dichloroethane	ug/L	20	19.1	96	70-130	
1,1-Dichloroethene	ug/L	20	20.5	103	66-133	
1,2,3-Trichloropropane	ug/L	20	19.2	96	62-127	
1,2-Dichlorobenzene	ug/L	20	17.4	87	70-130	
1,2-Dichloropropane	ug/L	20	18.7	93	70-130	
1,4-Dichlorobenzene	ug/L	20	17.8	89	70-130	
2-Butanone (MEK)	ug/L	100	92.8	93	47-143	
2-Hexanone	ug/L	100	88.6	89	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	83.8	84	57-132	
Acetone	ug/L	100	94.3	94	46-148	
Acrylonitrile	ug/L	100	88.4	88	60-143	
Benzene	ug/L	20	18.8	94	70-130	
Bromochloromethane	ug/L	20	18.3	92	70-130	
Bromodichloromethane	ug/L	20	20.8	104	70-130	
Bromoform	ug/L	20	19.1	96	49-126	
Bromomethane	ug/L	20	7.2 I	36	10-165 J(v3)	
Carbon disulfide	ug/L	20	23.8	119	60-141	
Carbon tetrachloride	ug/L	20	18.3	91	63-126	
Chlorobenzene	ug/L	20	18.1	91	70-130	
Chloroethane	ug/L	20	24.3	121	71-142 J(v1)	
Chloroform	ug/L	20	18.5	92	70-130	
Chloromethane	ug/L	20	15.4	77	40-140 J(v3)	
cis-1,2-Dichloroethene	ug/L	20	18.9	95	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.0	95	70-130	
Dibromochloromethane	ug/L	20	18.9	94	62-118	
Dibromomethane	ug/L	20	18.7	93	70-130	
Ethylbenzene	ug/L	20	18.5	93	70-130	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

LABORATORY CONTROL SAMPLE: 5422272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	3.6 U	11	10-164	J(v3)
m&p-Xylene	ug/L	40	37.6	94	70-130	
Methylene Chloride	ug/L	20	20.5	102	65-136	
o-Xylene	ug/L	20	18.3	91	70-130	
Styrene	ug/L	20	18.7	94	70-130	
Tetrachloroethene	ug/L	20	17.7	88	64-134	
Toluene	ug/L	20	18.2	91	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.8	94	68-127	
trans-1,3-Dichloropropene	ug/L	20	18.6	93	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	17.6	88	42-129	
Trichloroethene	ug/L	20	18.6	93	70-130	
Trichlorofluoromethane	ug/L	20	24.2	121	65-135	J(v1)
Vinyl acetate	ug/L	20	18.4	92	60-144	
Vinyl chloride	ug/L	20	22.7	113	68-131	
Xylene (Total)	ug/L	60	55.9	93	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE SAMPLE: 5422283

Parameter	Units	35857533002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	18.5	92	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	21.5	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	18.5	93	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	17.3	86	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	19.9	100	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	24.8	124	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	19.6	98	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.3	87	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	17.2	86	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	18.1	90	70-130	
2-Butanone (MEK)	ug/L	6.7 U	100	71.4	71	47-143	
2-Hexanone	ug/L	6.6 U	100	67.7	68	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	65.2	65	57-132	
Acetone	ug/L	8.7 U	100	79.4	79	46-148	
Acrylonitrile	ug/L	3.7 U	100	78.9	79	60-143	
Benzene	ug/L	0.30 U	20	18.8	94	70-130	
Bromochloromethane	ug/L	0.37 U	20	16.7	84	70-130	
Bromodichloromethane	ug/L	0.19 U	20	20.2	101	70-130	
Bromoform	ug/L	0.48 U	20	18.0	90	49-126	
Bromomethane	ug/L	3.9 U	20	6.6 I	33	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	24.9	124	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	21.8	109	63-126	
Chlorobenzene	ug/L	0.35 U	20	18.4	92	70-130	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

MATRIX SPIKE SAMPLE: 5422283		35857533002	Spike	MS	MS	% Rec	Qualifiers
Parameter	Units	Result	Conc.	Result	% Rec	Limits	
Chloroethane	ug/L	3.7 U	20	34.0	170	71-142	J(M1),J(v1)
Chloroform	ug/L	0.56 U	20	19.6	98	70-130	
Chloromethane	ug/L	0.43 U	20	21.2	106	40-140	J(v3)
cis-1,2-Dichloroethene	ug/L	0.27 U	20	19.1	95	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	17.6	88	70-130	
Dibromochloromethane	ug/L	0.45 U	20	18.1	90	62-118	
Dibromomethane	ug/L	0.68 U	20	17.9	89	70-130	
Ethylbenzene	ug/L	0.30 U	20	18.8	94	70-130	
Iodomethane	ug/L	3.6 U	20	5.7 I	29	10-164	J(v3)
m&p-Xylene	ug/L	0.75 U	40	38.3	96	70-130	
Methylene Chloride	ug/L	1.7 U	20	18.5	92	65-136	
o-Xylene	ug/L	0.57 U	20	18.6	93	70-130	
Styrene	ug/L	0.26 U	20	18.1	91	70-130	
Tetrachloroethene	ug/L	0.38 U	20	17.5	88	64-134	
Toluene	ug/L	0.33 U	20	18.1	91	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	19.8	99	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	17.0	85	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	13.1	66	42-129	
Trichloroethene	ug/L	0.36 U	20	18.8	94	70-130	
Trichlorofluoromethane	ug/L	0.72 U	20	34.1	170	65-135	J(M1),J(v1)
Vinyl acetate	ug/L	1.8 U	20	15.5	78	60-144	
Vinyl chloride	ug/L	0.39 U	20	26.7	133	68-131	J(M1)
Xylene (Total)	ug/L	2.1 U	60	56.9	95	70-130	
1,2-Dichlorobenzene-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 5422282

Parameter	Units	35857533001	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.7 U	6.7 U		40	
2-Hexanone	ug/L	6.6 U	6.6 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	8.7 U	8.7 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

SAMPLE DUPLICATE: 5422282

Parameter	Units	35857533001 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	J(v2)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	J(v1)
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	J(v2)
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	3.6 U	3.6 U		40	J(v2)
m&p-Xylene	ug/L	0.75 U	0.75 U		40	
Methylene Chloride	ug/L	1.7 U	1.7 U		40	
o-Xylene	ug/L	0.57 U	0.57 U		40	
Styrene	ug/L	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.72 U	0.72 U		40	J(v1)
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	99	99		40	
4-Bromofluorobenzene (S)	%	96	93		40	
Toluene-d8 (S)	%	106	105		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch:	985001	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856704001, 35856704002, 35856704003, 35856704004, 35856704005, 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011		

METHOD BLANK: 5417003 Matrix: Water
Associated Lab Samples: 35856704001, 35856704002, 35856704003, 35856704004, 35856704005, 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	01/30/24 18:59	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	01/30/24 18:59	

LABORATORY CONTROL SAMPLE: 5417004

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.29	117	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.28	112	60-140	

MATRIX SPIKE SAMPLE: 5417005

Parameter	Units	35856584004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0066 U	0.26	0.30	116	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0077 U	0.26	0.30	117	60-140	

SAMPLE DUPLICATE: 5417006

Parameter	Units	35856704001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.0065 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.0076 U		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

QC Batch: 985352

Analysis Method: SM 2320B

QC Batch Method: SM 2320B

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856704001, 35856704002

METHOD BLANK: 5418862

Matrix: Water

Associated Lab Samples: 35856704001, 35856704002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	5.0 U	5.0	5.0	01/31/24 11:35	

LABORATORY CONTROL SAMPLE: 5418863

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	250	234	93	90-110	

SAMPLE DUPLICATE: 5418864

Parameter	Units	35856661001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	6.2	6.4	3	20	

SAMPLE DUPLICATE: 5418865

Parameter	Units	35856493006 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	202	205	1	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch:	985677	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856704003, 35856704004, 35856704005

METHOD BLANK: 5420652 Matrix: Water
Associated Lab Samples: 35856704003, 35856704004, 35856704005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	5.0 U	5.0	5.0	02/01/24 12:07	

LABORATORY CONTROL SAMPLE: 5420653

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	250	237	95	90-110	

SAMPLE DUPLICATE: 5420654

Parameter	Units	35857054001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	16.3	16.4	1	20	

SAMPLE DUPLICATE: 5420655

Parameter	Units	35857155001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	147	148	0	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch:	986349	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011

METHOD BLANK: 5424317 Matrix: Water
Associated Lab Samples: 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	5.0 U	5.0	5.0	02/04/24 12:40	

LABORATORY CONTROL SAMPLE: 5424318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	250	234	93	90-110	

SAMPLE DUPLICATE: 5424319

Parameter	Units	35857327001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	61.8	61.8	0	20	

SAMPLE DUPLICATE: 5424320

Parameter	Units	35856704006 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	212	216	2	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch:	986364	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856704001

METHOD BLANK: 5424370 Matrix: Water
Associated Lab Samples: 35856704001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/04/24 16:16	

LABORATORY CONTROL SAMPLE: 5424371

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

SAMPLE DUPLICATE: 5424372

Parameter	Units	35856572001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	926	930	0	10	

SAMPLE DUPLICATE: 5424373

Parameter	Units	35856678001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	504	516	2	10	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch:	986365	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856704002, 35856704003, 35856704004, 35856704005

METHOD BLANK: 5424374 Matrix: Water
Associated Lab Samples: 35856704002, 35856704003, 35856704004, 35856704005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/04/24 17:48	

LABORATORY CONTROL SAMPLE: 5424375

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

SAMPLE DUPLICATE: 5424376

Parameter	Units	35856704005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	259	279	7	10	

SAMPLE DUPLICATE: 5424377

Parameter	Units	35857285001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3890	3710	5	10	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch:	986366	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011

METHOD BLANK: 5424378 Matrix: Water
Associated Lab Samples: 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/04/24 20:45	

LABORATORY CONTROL SAMPLE: 5424379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	305	102	90-110	

SAMPLE DUPLICATE: 5424380

Parameter	Units	35857279001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	956	952	0	10	

SAMPLE DUPLICATE: 5424381

Parameter	Units	35857279002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	366	386	5	10	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch:	985397	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856704001

METHOD BLANK: 5419127 Matrix: Water
Associated Lab Samples: 35856704001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	01/31/24 15:34	

LABORATORY CONTROL SAMPLE: 5419128

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.0	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5420787 5420788

Parameter	Units	92710069001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	5.0	50	50	53.1	49.7	96	89	90-110	7	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5420789 5420790

Parameter	Units	35856621001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	17.3	50	50	73.9	70.3	113	106	90-110	5	20	J(M1)

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch: 985406 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35856704002, 35856704003, 35856704004, 35856704005, 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011

METHOD BLANK: 5419233 Matrix: Water
Associated Lab Samples: 35856704002, 35856704003, 35856704004, 35856704005, 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	01/31/24 16:38	

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.7	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5420596 5420597												
Parameter	Units	35856704002	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	60.9	50	50	113	113	104	105	90-110	0	20 L	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5420598 5420599												
Parameter	Units	35856752001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	ND	50	50	50.6	50.0	93	92	90-110	1	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch:	986294	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856704001, 35856704002, 35856704003, 35856704004, 35856704005

METHOD BLANK: 5424122 Matrix: Water
Associated Lab Samples: 35856704001, 35856704002, 35856704003, 35856704004, 35856704005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	02/03/24 18:58	

LABORATORY CONTROL SAMPLE: 5424123

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5424125 5424124

Parameter	Units	35857316005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.64	1	1	1.1	1.3	49	66	90-110	14	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5424126 5424127

Parameter	Units	35856630003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	86.4	50	50	127	130	82	88	90-110	2	20	J(M1)

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch: 986301 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011

METHOD BLANK: 5424150 Matrix: Water
Associated Lab Samples: 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	02/03/24 19:49	

LABORATORY CONTROL SAMPLE: 5424151

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5424153 5424152

Parameter	Units	35856704006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.96	1	1	2.0	1.8	102	83	90-110	10	20	J(M1)

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch:	985472	Analysis Method:	EPA 351.2
QC Batch Method:	EPA 351.2	Analysis Description:	351.2 TKN
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856704001, 35856704002, 35856704003, 35856704004, 35856704005, 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011		

METHOD BLANK: 5419619 Matrix: Water
Associated Lab Samples: 35856704001, 35856704002, 35856704003, 35856704004, 35856704005, 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.20 U	0.50	0.20	02/02/24 09:42	

LABORATORY CONTROL SAMPLE: 5419620

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	20	19.4	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5419622 5419621

Parameter	Units	35856898001	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Conc.								
Nitrogen, Kjeldahl, Total	mg/L	9.8	20	20	31.6	31.5	109	108	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5419624 5419623

Parameter	Units	35856918001	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Conc.								
Nitrogen, Kjeldahl, Total	mg/L	0.20 U	20	20	18.9	18.6	95	93	90-110	2	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch:	984894	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856704001, 35856704002, 35856704003

METHOD BLANK: 5416791 Matrix: Water
Associated Lab Samples: 35856704001, 35856704002, 35856704003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/30/24 07:18	
Nitrogen, NO2 plus NO3	mg/L	0.015 U	0.050	0.015	01/30/24 07:18	

LABORATORY CONTROL SAMPLE: 5416792

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5416794 5416793

Parameter	Units	35856648002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.41	2	2	2.3	2.4	95	101	90-110	5	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5416796 5416795

Parameter	Units	35856610002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	6.1	10	10	15.9	15.9	97	98	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch:	984895	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856704004, 35856704005, 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011		

METHOD BLANK: 5416797 Matrix: Water
Associated Lab Samples: 35856704004, 35856704005, 35856704006, 35856704007, 35856704008, 35856704009, 35856704010, 35856704011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/30/24 08:00	
Nitrogen, NO2 plus NO3	mg/L	0.015 U	0.050	0.015	01/30/24 08:00	

LABORATORY CONTROL SAMPLE: 5416798

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5416800 5416799

Parameter	Units	35856633002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	<0.050	2	2	1.7	1.7	84	85	90-110	1	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5416802 5416801

Parameter	Units	35856704008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.015 U	2	2	1.9	1.9	96	96	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch: 985269 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35856704001, 35856704002, 35856704003, 35856704004, 35856704005, 35856704006

METHOD BLANK: 5418654 Matrix: Water
Associated Lab Samples: 35856704001, 35856704002, 35856704003, 35856704004, 35856704005, 35856704006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5 U	20.0	12.5	02/01/24 10:49	

LABORATORY CONTROL SAMPLE: 5418655

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	496	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5418657 5418656

Parameter	Units	35856962010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	731	500	500	1090	1090	72	72	90-110	0	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5418659 5418658

Parameter	Units	35856704001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	25.5	500	500	512	513	97	98	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch:	985271	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856704007, 35856704008, 35856704009, 35856704010, 35856704011

METHOD BLANK: 5418669 Matrix: Water
Associated Lab Samples: 35856704007, 35856704008, 35856704009, 35856704010, 35856704011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5 U	20.0	12.5	02/01/24 11:08	

LABORATORY CONTROL SAMPLE: 5418670

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	494	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5418672 5418671

Parameter	Units	35856704007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	52.2	500	500	511	511	92	92	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5418674 5418673

Parameter	Units	35856950010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	25.3	500	500	476	475	90	90	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

QC Batch: 984949 Analysis Method: SM 5310B
QC Batch Method: SM 5310B Analysis Description: 5310B TOC
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35856704001, 35856704002, 35856704003, 35856704004, 35856704005, 35856704006, 35856704007, 35856704008, 35856704009, 35856704010

METHOD BLANK: 5416880 Matrix: Water
Associated Lab Samples: 35856704001, 35856704002, 35856704003, 35856704004, 35856704005, 35856704006, 35856704007, 35856704008, 35856704009, 35856704010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	01/30/24 21:30	

LABORATORY CONTROL SAMPLE: 5416881						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	20	19.3	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5416882 5416883												
Parameter	Units	35856493005	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Conc.								
Total Organic Carbon	mg/L	9.3	20	20	29.7	29.8	102	103	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5416884 5416885												
Parameter	Units	35856704001	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Conc.								
Total Organic Carbon	mg/L	7.3	20	20	27.1	27.2	99	100	80-120	0	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

QC Batch: 984955

Analysis Method: SM 5310B

QC Batch Method: SM 5310B

Analysis Description: 5310B TOC

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856704011

METHOD BLANK: 5416890

Matrix: Water

Associated Lab Samples: 35856704011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	01/31/24 04:37	

LABORATORY CONTROL SAMPLE: 5416891

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	20	18.9	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5416892 5416893

Parameter	Units	35855822001 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	1.1	20	20	20.3	20.4	96	97	80-120	1	20	

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QUALIFIERS

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

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.
TNTC - Too Numerous To Count
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
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.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(v1)	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
J(v2)	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
J(v3)	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.
L	Off-scale high. Actual value is known to be greater than value given.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35856704001	RR-3 (20)				
35856704002	RR-3 (60)				
35856704003	RR-3 (30)				
35856704004	RR-1 (15)				
35856704005	RR-1 (30)				
35856704006	RR-1 (60)				
35856704007	RR-1 (60) DUPLICATE				
35856704008	RR-2 (15)				
35856704009	RR-2 (30)				
35856704010	RR-2 (60)				
35856704001	RR-3 (20)	EPA 8011	985001	EPA 8011	985143
35856704002	RR-3 (60)	EPA 8011	985001	EPA 8011	985143
35856704003	RR-3 (30)	EPA 8011	985001	EPA 8011	985143
35856704004	RR-1 (15)	EPA 8011	985001	EPA 8011	985143
35856704005	RR-1 (30)	EPA 8011	985001	EPA 8011	985143
35856704006	RR-1 (60)	EPA 8011	985001	EPA 8011	985143
35856704007	RR-1 (60) DUPLICATE	EPA 8011	985001	EPA 8011	985143
35856704008	RR-2 (15)	EPA 8011	985001	EPA 8011	985143
35856704009	RR-2 (30)	EPA 8011	985001	EPA 8011	985143
35856704010	RR-2 (60)	EPA 8011	985001	EPA 8011	985143
35856704011	EQ BLANK 012924	EPA 8011	985001	EPA 8011	985143
35856704001	RR-3 (20)	EPA 3010	984879	EPA 6010	984948
35856704002	RR-3 (60)	EPA 3010	984879	EPA 6010	984948
35856704003	RR-3 (30)	EPA 3010	984879	EPA 6010	984948
35856704004	RR-1 (15)	EPA 3010	984879	EPA 6010	984948
35856704005	RR-1 (30)	EPA 3010	984879	EPA 6010	984948
35856704006	RR-1 (60)	EPA 3010	984879	EPA 6010	984948
35856704007	RR-1 (60) DUPLICATE	EPA 3010	984879	EPA 6010	984948
35856704008	RR-2 (15)	EPA 3010	984879	EPA 6010	984948
35856704009	RR-2 (30)	EPA 3010	984879	EPA 6010	984948
35856704010	RR-2 (60)	EPA 3010	984879	EPA 6010	984948
35856704011	EQ BLANK 012924	EPA 3010	984879	EPA 6010	984948
35856704001	RR-3 (20)	EPA 3010	984880	EPA 6020	984952
35856704002	RR-3 (60)	EPA 3010	984880	EPA 6020	984952
35856704003	RR-3 (30)	EPA 3010	984880	EPA 6020	984952
35856704004	RR-1 (15)	EPA 3010	984880	EPA 6020	984952
35856704005	RR-1 (30)	EPA 3010	984880	EPA 6020	984952
35856704006	RR-1 (60)	EPA 3010	984880	EPA 6020	984952
35856704007	RR-1 (60) DUPLICATE	EPA 3010	984880	EPA 6020	984952
35856704008	RR-2 (15)	EPA 3010	984880	EPA 6020	984952
35856704009	RR-2 (30)	EPA 3010	984880	EPA 6020	984952
35856704010	RR-2 (60)	EPA 3010	984880	EPA 6020	984952
35856704011	EQ BLANK 012924	EPA 3010	984880	EPA 6020	984952
35856704001	RR-3 (20)	EPA 7470	987371	EPA 7470	987396
35856704002	RR-3 (60)	EPA 7470	987371	EPA 7470	987396
35856704003	RR-3 (30)	EPA 7470	987371	EPA 7470	987396
35856704004	RR-1 (15)	EPA 7470	987371	EPA 7470	987396

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35856704005	RR-1 (30)	EPA 7470	987371	EPA 7470	987396
35856704006	RR-1 (60)	EPA 7470	987371	EPA 7470	987396
35856704007	RR-1 (60) DUPLICATE	EPA 7470	987371	EPA 7470	987396
35856704008	RR-2 (15)	EPA 7470	987371	EPA 7470	987396
35856704009	RR-2 (30)	EPA 7470	987371	EPA 7470	987396
35856704010	RR-2 (60)	EPA 7470	987371	EPA 7470	987396
35856704011	EQ BLANK 012924	EPA 7470	987371	EPA 7470	987396
35856704001	RR-3 (20)	EPA 8260	985703		
35856704002	RR-3 (60)	EPA 8260	985703		
35856704003	RR-3 (30)	EPA 8260	985703		
35856704004	RR-1 (15)	EPA 8260	985703		
35856704005	RR-1 (30)	EPA 8260	985703		
35856704006	RR-1 (60)	EPA 8260	986006		
35856704007	RR-1 (60) DUPLICATE	EPA 8260	986006		
35856704008	RR-2 (15)	EPA 8260	986006		
35856704009	RR-2 (30)	EPA 8260	985350		
35856704010	RR-2 (60)	EPA 8260	985350		
35856704011	EQ BLANK 012924	EPA 8260	985350		
35856704001	RR-3 (20)	SM 2320B	985352		
35856704002	RR-3 (60)	SM 2320B	985352		
35856704003	RR-3 (30)	SM 2320B	985677		
35856704004	RR-1 (15)	SM 2320B	985677		
35856704005	RR-1 (30)	SM 2320B	985677		
35856704006	RR-1 (60)	SM 2320B	986349		
35856704007	RR-1 (60) DUPLICATE	SM 2320B	986349		
35856704008	RR-2 (15)	SM 2320B	986349		
35856704009	RR-2 (30)	SM 2320B	986349		
35856704010	RR-2 (60)	SM 2320B	986349		
35856704011	EQ BLANK 012924	SM 2320B	986349		
35856704001	RR-3 (20)	SM 2540C	986364		
35856704002	RR-3 (60)	SM 2540C	986365		
35856704003	RR-3 (30)	SM 2540C	986365		
35856704004	RR-1 (15)	SM 2540C	986365		
35856704005	RR-1 (30)	SM 2540C	986365		
35856704006	RR-1 (60)	SM 2540C	986366		
35856704007	RR-1 (60) DUPLICATE	SM 2540C	986366		
35856704008	RR-2 (15)	SM 2540C	986366		
35856704009	RR-2 (30)	SM 2540C	986366		
35856704010	RR-2 (60)	SM 2540C	986366		
35856704011	EQ BLANK 012924	SM 2540C	986366		
35856704001	RR-3 (20)	TKN-NH3 Calculation	988799		
35856704002	RR-3 (60)	TKN-NH3 Calculation	988799		
35856704003	RR-3 (30)	TKN-NH3 Calculation	988799		
35856704004	RR-1 (15)	TKN-NH3 Calculation	988799		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1st Semiannual RRF

Pace Project No.: 35856704

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35856704005	RR-1 (30)	TKN-NH3 Calculation	988799		
35856704006	RR-1 (60)	TKN-NH3 Calculation	988799		
35856704007	RR-1 (60) DUPLICATE	TKN-NH3 Calculation	988799		
35856704008	RR-2 (15)	TKN-NH3 Calculation	988799		
35856704009	RR-2 (30)	TKN-NH3 Calculation	988799		
35856704010	RR-2 (60)	TKN-NH3 Calculation	988799		
35856704011	EQ BLANK 012924	TKN-NH3 Calculation	988799		
35856704001	RR-3 (20)	EPA 300.0	985397		
35856704002	RR-3 (60)	EPA 300.0	985406		
35856704003	RR-3 (30)	EPA 300.0	985406		
35856704004	RR-1 (15)	EPA 300.0	985406		
35856704005	RR-1 (30)	EPA 300.0	985406		
35856704006	RR-1 (60)	EPA 300.0	985406		
35856704007	RR-1 (60) DUPLICATE	EPA 300.0	985406		
35856704008	RR-2 (15)	EPA 300.0	985406		
35856704009	RR-2 (30)	EPA 300.0	985406		
35856704010	RR-2 (60)	EPA 300.0	985406		
35856704011	EQ BLANK 012924	EPA 300.0	985406		
35856704001	RR-3 (20)	EPA 350.1	986294		
35856704002	RR-3 (60)	EPA 350.1	986294		
35856704003	RR-3 (30)	EPA 350.1	986294		
35856704004	RR-1 (15)	EPA 350.1	986294		
35856704005	RR-1 (30)	EPA 350.1	986294		
35856704006	RR-1 (60)	EPA 350.1	986301		
35856704007	RR-1 (60) DUPLICATE	EPA 350.1	986301		
35856704008	RR-2 (15)	EPA 350.1	986301		
35856704009	RR-2 (30)	EPA 350.1	986301		
35856704010	RR-2 (60)	EPA 350.1	986301		
35856704011	EQ BLANK 012924	EPA 350.1	986301		
35856704001	RR-3 (20)	EPA 351.2	985472	EPA 351.2	985945
35856704002	RR-3 (60)	EPA 351.2	985472	EPA 351.2	985945
35856704003	RR-3 (30)	EPA 351.2	985472	EPA 351.2	985945
35856704004	RR-1 (15)	EPA 351.2	985472	EPA 351.2	985945
35856704005	RR-1 (30)	EPA 351.2	985472	EPA 351.2	985945
35856704006	RR-1 (60)	EPA 351.2	985472	EPA 351.2	985945
35856704007	RR-1 (60) DUPLICATE	EPA 351.2	985472	EPA 351.2	985945
35856704008	RR-2 (15)	EPA 351.2	985472	EPA 351.2	985945
35856704009	RR-2 (30)	EPA 351.2	985472	EPA 351.2	985945
35856704010	RR-2 (60)	EPA 351.2	985472	EPA 351.2	985945
35856704011	EQ BLANK 012924	EPA 351.2	985472	EPA 351.2	985945
35856704001	RR-3 (20)	EPA 353.2	984894		
35856704002	RR-3 (60)	EPA 353.2	984894		
35856704003	RR-3 (30)	EPA 353.2	984894		
35856704004	RR-1 (15)	EPA 353.2	984895		
35856704005	RR-1 (30)	EPA 353.2	984895		

REPORT OF LABORATORY ANALYSIS

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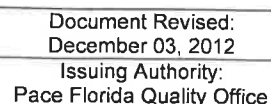
QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1st Semiannual RRF
Pace Project No.: 35856704

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35856704006	RR-1 (60)	EPA 353.2	984895		
35856704007	RR-1 (60) DUPLICATE	EPA 353.2	984895		
35856704008	RR-2 (15)	EPA 353.2	984895		
35856704009	RR-2 (30)	EPA 353.2	984895		
35856704010	RR-2 (60)	EPA 353.2	984895		
35856704011	EQ BLANK 012924	EPA 353.2	984895		
35856704001	RR-3 (20)	EPA 410.4	985269	EPA 410.4	985721
35856704002	RR-3 (60)	EPA 410.4	985269	EPA 410.4	985721
35856704003	RR-3 (30)	EPA 410.4	985269	EPA 410.4	985721
35856704004	RR-1 (15)	EPA 410.4	985269	EPA 410.4	985721
35856704005	RR-1 (30)	EPA 410.4	985269	EPA 410.4	985721
35856704006	RR-1 (60)	EPA 410.4	985269	EPA 410.4	985721
35856704007	RR-1 (60) DUPLICATE	EPA 410.4	985271	EPA 410.4	985725
35856704008	RR-2 (15)	EPA 410.4	985271	EPA 410.4	985725
35856704009	RR-2 (30)	EPA 410.4	985271	EPA 410.4	985725
35856704010	RR-2 (60)	EPA 410.4	985271	EPA 410.4	985725
35856704011	EQ BLANK 012924	EPA 410.4	985271	EPA 410.4	985725
35856704001	RR-3 (20)	SM 5310B	984949		
35856704002	RR-3 (60)	SM 5310B	984949		
35856704003	RR-3 (30)	SM 5310B	984949		
35856704004	RR-1 (15)	SM 5310B	984949		
35856704005	RR-1 (30)	SM 5310B	984949		
35856704006	RR-1 (60)	SM 5310B	984949		
35856704007	RR-1 (60) DUPLICATE	SM 5310B	984949		
35856704008	RR-2 (15)	SM 5310B	984949		
35856704009	RR-2 (30)	SM 5310B	984949		
35856704010	RR-2 (60)	SM 5310B	984949		
35856704011	EQ BLANK 012924	SM 5310B	984955		

REPORT OF LABORATORY ANALYSIS

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Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Reservoir Recovery</u>		SITE LOCATION: <u>1990 NW 97th Ave Acacia, E</u>	
WELL NO: <u>RR-3 (60)</u>	SAMPLE ID: <u>RR-3 (60)</u>	DATE: <u>1/27/24</u>	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 5/8"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.96	PURGE PUMP TYPE OR BAILER: SP

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

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

$$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$$

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9	PURGING INITIATED AT: 0950	PURGING ENDED AT: 1032	TOTAL VOLUME PURGED (gallons): 12.60

[illegible]

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Samuel Stockbridge / PAWS</i>	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: <i>1033</i>	SAMPLING ENDED AT: <i>1045</i>

PUMP OR TUBING DEPTH IN WELL (feet):	9	TUBING MATERIAL CODE:	1120615	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			
22-3(6W)	1	PC	500mL	COOL	0	7.43	TDS ALK	APP	300
	1		250mL	I		7.43	NW/003/C1		
	1	I	I	H ₂ SO ₄		6.2	NH ₃ /TKO/TKO/KOD		
	1	I	I	HNO ₃		6.2	6.010/6.000/7470		
	2	CU	40mL	COOL		7.43	8011 LAB		
	2	I	I	HCL		6.2	TOC		
REMARKS:	3	I	I	I		6.2	SPEC VOL		

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Reservoir Recovery</u>		SITE LOCATION: <u>4770 NW 9TH AVE. DORAL, FL</u>	
WELL NO: <u>RR-3 (30)</u>	SAMPLE ID: <u>RR-3 (30)</u>	DATE: <u>1/29/21</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1/4"</u>	WELL SCREEN INTERVAL DEPTH: _____ feet to _____ feet	STATIC DEPTH TO WATER (feet): <u>12.51</u>	PURGE PUMP TYPE OR BAILER: <u>PP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= (\underline{30} \text{ feet} - \underline{12.51} \text{ feet}) \times \underline{0.16} \text{ gallons/foot} = \underline{2.7504} \text{ gallons}$				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$				

[illegible]

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:				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT: 1113		SAMPLING ENDED AT: 1125	
PUMP OR TUBING DEPTH IN WELL (feet): 13.50				TUBING MATERIAL CODE: HADP/S			FIELD-FILTERED: Y (N)		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 ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
RR3(20)	1	Pb	500mL	COOL	0	7.50	TAS PER		APP	
	1		200mL	+		7.50	S.D. 1/10/11			
	1		1	ASOR		7.50	TAS 1/11/11			
	1		1	HADP		7.50	TAS 1/11/11			
	2	CL	40mL	COOL		7.50	S.D. 1/10/11			
	2		1	HCL		7.50	TAS 1/11/11			
REMARKS:	3					7.50	TAS 1/11/11			

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

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

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

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

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

Form FD 9000-24

SITE NAME: <u>Bozelle Property</u>		SITE LOCATION: <u>6990 NW 97th Ave, Dade, FL</u>	
WELL NO: <u>R2-1 (15)</u>	SAMPLE ID: <u>R2-1 (15)</u>		DATE: <u>1/29/24</u>

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.05	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)

= (17.50 feet - 10.05 feet) X 0.14 gallons/foot = 1.092 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11	PURGING INITIATED AT: 1140	PURGING ENDED AT: 1156	TOTAL VOLUME PURGED (gallons): 2.05

[illegible]

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: James S. [Signature] / [Affiliation]	SAMPLER(S) SIGNATURE(S): [Signature]	SAMPLING INITIATED AT: 1157	SAMPLING ENDED AT: 1209

PUMP OR TUBING DEPTH IN WELL (feet):	11	TUBING MATERIAL CODE:	HDPE	FIELD-FILTERED: Y <u>N</u>	FILTER SIZE: _____ μ m

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			
RZ-1 (15)	1	PG	500mL	COOL	Ø	7.41	TDS, ALK	APP	300
1	1	1	250mL	+	1	7.41	NO ₂ /NO ₃ , Cl	1	1
1	1	1	1	H ₂ SO ₄	1	<2	TRN/VHS/TOC/COD	1	1
1	1	1	1	HNO ₃	1	<2	NO ₂ /NO ₃ /NH ₄	1	1
1	2	CG	40mL	COOL	1	7.41	Fe, Mn, Cu, Pb	1	1
1	2	1	1	HCL	1	<2	TOC	1	1
REMARKS:	3	1	1	+	1	<2	SAGD VOC	1	1

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Reservoir Recovery</u>		SITE LOCATION: <u>6920 NW 97th Ave. Dade Co., FL</u>	
WELL NO: <u>RR-1 (30)</u>	SAMPLE ID: <u>RR-1 (30)</u>	DATE: <u>1/29/24</u>	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.30	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)

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	11.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	11.50	PURGING INITIATED AT:	1140	PURGING ENDED AT:	1205	TOTAL VOLUME PURGED (gallons):	5.60

[illegible]

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>James Stockbridge/PAU</i>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: <i>1209</i>		SAMPLING ENDED AT: <i>1221</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>11.50</i>				TUBING MATERIAL CODE: <i>#128015</i>			FIELD-FILTERED: Y <i>(N)</i> Filtration Equipment Type:		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y <i>(N)</i> TUBING Y <i>(N)</i> N (replaced) <i>(N)</i>							DUPLICATE: Y <i>(N)</i>			
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				
<i>22 (50)</i>	<i>1</i>	<i>PG</i>	<i>500 mL</i>	<i>COOL</i>	<i>0</i>	<i>7.50</i>	<i>TAS, ALK</i>		<i>APP</i>	<i>300</i>
<i> </i>	<i>1</i>	<i> </i>	<i>20 mL</i>	<i>+</i>	<i> </i>	<i>7.50</i>	<i>NO3/NO3/41</i>		<i> </i>	<i> </i>
<i> </i>	<i>1</i>	<i> </i>	<i>1</i>	<i>H2SO4</i>	<i> </i>	<i>6.7</i>	<i>NH3/TN/TN/COB</i>		<i> </i>	<i> </i>
<i> </i>	<i>1</i>	<i> </i>	<i>1</i>	<i>HNO3</i>	<i> </i>	<i>6.7</i>	<i>6010/6020/3470</i>		<i> </i>	<i> </i>
<i> </i>	<i>2</i>	<i>CL</i>	<i>40 mL</i>	<i>COOL</i>	<i> </i>	<i>7.50</i>	<i>5011 CDB</i>		<i> </i>	<i> </i>
<i> </i>	<i>2</i>	<i> </i>	<i>1</i>	<i>HCC</i>	<i> </i>	<i>6.7</i>	<i>TOC</i>		<i> </i>	<i> </i>
REMARKS:	<i>3</i>	<i> </i>	<i>1</i>	<i> </i>	<i> </i>	<i>6.7</i>	<i>5200 VOC</i>		<i> </i>	<i> </i>

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

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

Form FD 9000-24 GROUNDWATER SAMPLING LOG

SITE NAME: <u>Reservoir Recovery</u>	SITE LOCATION: <u>690 NW 97th Ave, Doral FL</u>
WELL NO: <u>RR-1 (60)/DUP</u>	SAMPLE ID: <u>22-1 (60)/DUP</u> DATE: <u>1/29/24</u>

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>3/8"</u>	WELL SCREEN INTERVAL DEPTH: feet to <u>9.92</u>	STATIC DEPTH TO WATER (feet): <u>9.92</u>	PURGE PUMP TYPE OR BAILER: <u>PP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = <u>62</u> feet - <u>9.92</u> feet X <u>0.16</u> gallons/foot = <u>8.328</u> 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): <u>11</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>11</u>	PURGING INITIATED AT: <u>1145</u>	PURGING ENDED AT: <u>1227</u>	TOTAL VOLUME PURGED (gallons): <u>12.60</u>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or (S/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1213	5.40	5.40	0.50	9.96	7.40	24.9	561	0.13	0.78	TRAC	SLIGHT
1220	2.10	10.50	1	9.96	7.39	25.0	562	0.12	0.60	1	1
1227	2.10	12.60	1	9.96	7.40	24.9	561	0.11	0.54	1	1

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>PAMEL STOCKER/PAFC</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1225</u>	SAMPLING ENDED AT: <u>1240</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>11</u>	TUBING MATERIAL CODE: <u>HAP615</u>	FIELD-FILTERED: Y <u>(N)</u>	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP Y <u>(N)</u>	TUBING Y <u>(N) (replaced)</u>	DUPLICATE: <u>(N)</u>	

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			
RR-1(60)	2	PG	500mL	COX	0	7.40	TRAC / HCL	APP	300
DUP	2	1	250mL	1	1	7.40	NH3 / HCL / TAC / COX	1	1
1	2	1	1	H2SO4	1	12	NH3 / HCL / TAC / COX	1	1
1	2	1	1	HNO3	1	12	COX / HCL / TAC / COX	1	1
1	4	06	40mL	COX	1	7.40	SOIL COX	1	1
1	4	1	1	HCL	1	12	TAC	1	1
REMARKS:	6	1	1	1	1	12	3060 VOL	1	1

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

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

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

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

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Roosevelt Recovery		SITE LOCATION: 6970 NW 9TH AVE, LOCATE, FL	
WELL NO: R2-2 (15)	SAMPLE ID: R2-2 (15)	DATE: 1/29/04	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1 1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.19	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)

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21	PURGING INITIATED AT: 1305	PURGING ENDED AT: 1321	TOTAL VOLUME PURGED (gallons): 2.05

[illegible]

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>JAMES STICKER / PAID</i>		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>		SAMPLING INITIATED AT: <i>1322</i>	SAMPLING ENDED AT: <i>1334</i>
PUMP OR TUBING DEPTH IN WELL (feet): <i>11</i>		TUBING MATERIAL CODE: <i>HAPC</i>	FIELD-FILTERED: Y <i>(N)</i>	FILTER SIZE: _____ μ m	
Filtration Equipment Type:					

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			
222	1	Pc	500mL	COC	0	7.45	TDS ALK	APP	300
(15)	1	I	20mL	I	I	7.45	NO2/NO3/Cl	I	I
I	1	I	I	H2SO4	I	6.0	TKN/ NH3/ TC/ CO2	I	I
I	1	I	I	HNO3	I	6.0	CO10/CO2/TA/D	I	I
I	2	C6	40mL	COC	I	7.45	SO4 ODB	I	I
I	3	I	I	HCL	I	6.0	TDC	I	I
REMARKS:	3	I	I	I	I	6.2	\$200 VCC	I	I

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:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table Page 220 of 972); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Reservoir Province</u>		SITE LOCATION: <u>6990 NW 97th Ave, Doral, FL</u>	
WELL NO: <u>50</u>	SAMPLE ID: <u>50</u>		DATE: <u>1/29/24</u>

PURGING DATA

WELL DIAMETER (inches): $\frac{1}{4}$	TUBING DIAMETER (inches): $\frac{1}{4}$	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	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)

$$= (\quad \text{feet} - \quad \text{feet}) \times \quad \text{gallons/foot} = \quad \text{gallons}$$

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

$$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$$

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

[illegible]

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JAMES STOCKBRIDGE PAIV	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1410	SAMPLING ENDED AT: 1433

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: <i>HAS05</i>	FIELD-FILTERED: Y <i>(N)</i> Filtration Equipment Type: <i>(N)</i>	FILTER SIZE: _____ μ m

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			
KTR	1	PG	500mL	COOL	0		TDS/ALK	APP	300
1	1	1	250mL	1	1		NH ₂ /NH ₃ /Cl	1	1
	1	1	1	H ₂ SO ₄		C2	TN/NO ₃ /NO ₂ /COP		
	1	1	1	HNO ₃		C2	6010/6020/4770		
	2	CL	40mL	COOL			8011 GDS		
	2	1	1	HAL		C2	TOC		
	3	1	1	1		C2	8011 NCC		
REMARKS:									

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: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table ES-2890 of 97 2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Sample Condition Upon Receipt Form (SCUR)

Pace

Project #
Project Manager:
Client:

WO#: 35856704

PM: RYG

Due Date: 02/13/24

CLIENT: 36-MDSWM

Date and Initials of person:

Examining contents:

Label:

Deliver:

pH:

Initials:

Thermometer Used: T-408

Date: 1/29/24

Time: 2228

Initials: AES

State of Origin:

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 2.7 (Visual) 0 (Correction Factor) 2.7 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ 2.9 (Visual) 0 (Correction Factor) 2.9 (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Recheck for OOT $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

Time: Initials:

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

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

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal Present: ☐ Yes ☒ No Seal properly placed and intact: ☐ Yes ☐ No

Ice: ☐ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

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

Samples shorted to lab: ☐ Yes ☐ No (If yes, complete the following)

Shorted Date:

Shorted Time:

Bottle Quantity / Type:

Chain of Custody:	Present: ☒ Yes ☐ No Filled Out: ☒ Yes ☐ No ☐ N/A Sampler Name: ☒ Yes ☐ No ☐ N/A	
	Relinquished To Pace: ☒ Yes ☐ No ☐ N/A Sampling Date(s): ☒ Yes ☐ No ☐ N/A Sampling Time(s): ☒ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time.	☒ Yes ☐ No ☐ N/A	Comments:
Rush Turnaround Requested on COC	☐ Yes ☒ No ☐ N/A	Comments:
Sufficient Volume.	☒ Yes ☐ No ☐ N/A	Comments:
Correct Containers Used.	☒ Yes ☐ No ☐ N/A	Comments:
Containers Intact.	☒ Yes ☐ No ☐ N/A	Comments:
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☒ Yes ☐ No ☐ N/A	Comments:
All containers needing acid / base preservation have been checked.	☒ Yes ☐ No ☐ N/A	Preservation Information Preservative: _____ Date: _____ Lot / Trace: _____ Time: _____ Amount added (mL): _____ Initials: _____
All containers needing preservation are found to be in compliance with EPA recommendation.	☒ Yes ☐ No ☐ N/A	
Exceptions: Vials, Microbiology, O&G, PFAS		
Headspace in Volatile Vials? (>6mm):	☐ Yes ☒ No ☐ N/A	
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	

Comments / Resolutions (use back for additional comments):



Sample Condition Upon Receipt Form (SCUR)

WO#: 35856704

PM: RYG

Due Date: 02/13/24

CLIENT: 36-MDSWM

Project #

Project Manager:

Client:

Date and Initials of person:

Examining contents: _____

Label: _____

Deliver: _____

pH: _____

Initials: KD

Thermometer Used: T-398

Date: 01/29/2024

Time: 1525

State of Origin: _____

☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp. °C 4.7 (Visual) -0.1 (Correction Factor) 4.6 (Actual)

Cooler #2 Temp. °C 4.3 (Visual) -0.1 (Correction Factor) 4.2 (Actual)

Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Recheck for OOT °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

☒ Samples on ice, cooling process has begun.

☒ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

Time: _____ Initials: _____

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

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

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # _____

Custody Seal Present: ☐ Yes ☒ No Seal properly placed and intact: ☐ Yes ☒ No

Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

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

Samples shorted to lab: ☐ Yes ☐ No (If yes, complete the following)

Shorted Date: _____

Shorted Time: _____

Bottle Quantity / Type: _____

Chain of Custody:	Present: ☐ Yes ☐ No Filled Out: ☐ Yes ☐ No ☐ N/A Sampler Name: ☐ Yes ☐ No ☐ N/A		
	Relinquished To Pace: ☐ Yes ☐ No ☐ N/A Sampling Date(s): ☐ Yes ☐ No ☐ N/A Sampling Time(s): ☐ Yes ☐ No ☐ N/A		
Samples Arrived within Hold Time.	☒ Yes ☐ No ☐ N/A	Comments:	
Rush Turnaround Requested on COC.	☐ Yes ☒ No ☐ N/A	Comments:	
Sufficient Volume.	☐ Yes ☐ No ☐ N/A	Comments:	
Correct Containers Used.	☐ Yes ☐ No ☐ N/A	Comments:	
Containers Intact.	☐ Yes ☐ No ☐ N/A	Comments:	
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☐ Yes ☐ No ☐ N/A	Comments:	
All containers needing acid / base preservation have been checked.	☐ Yes ☐ No ☐ N/A	Preservation Information Preservative: _____ Date: _____ Lot / Trace: _____ Time: _____ Amount added (mL): _____ Initials: _____	
All containers needing preservation are found to be in compliance with EPA recommendation:	☐ Yes ☐ No ☐ N/A		
Exceptions: Vials, Microbiology, O&G, PFAS			
Headspace in Volatile Vials? (>6mm):	☐ Yes ☐ No ☐ N/A		
Trip Blank Present:	☐ Yes ☐ No ☐ N/A		

Comments / Resolutions (use back for additional comments):



March 12, 2024

Mario Porcelli
Miami-Dade Department of Solid Waste
Management
2525 NW 62
5th floor
Miami, FL 33147

RE: Project: FDEP 1st Semiannual RRF-Revised Report
Pace Project No.: 35856950

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on January 30, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach

Revision 1: This report replaces the 02/14/2024 report. This report has been revised to add TKN result for sample 001 and update field readings for sample 014.

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

Sincerely,

Rossy Guima
rossy.guima@pacelabs.com
954-582-4300
Project Manager

Enclosures

cc: Robert Graessel, Miami-Dade Department of Solid Waste
Management
Arellys Roman, Miami-Dade Department of Solid Waste
Management



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FDEP 1st Semiannual RRF-Revised Report
Pace Project No.: 35856950

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
California Certification# 3096
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
DoD-ANAB #:ADE-3199
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
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
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35856950001	RR-16 (15)	Water	01/30/24 07:47	01/30/24 15:40
35856950002	RR-16 (30)	Water	01/30/24 07:59	01/30/24 15:40
35856950003	RR-16 (60)	Water	01/30/24 08:16	01/30/24 15:40
35856950004	RE-10 (15)	Water	01/30/24 08:57	01/30/24 15:40
35856950005	RE-10 (30)	Water	01/30/24 09:09	01/30/24 15:40
35856950006	RE-10 (60)	Water	01/30/24 09:22	01/30/24 15:40
35856950007	NW-23 (15)	Water	01/30/24 10:30	01/30/24 15:40
35856950008	NW-23 (30)	Water	01/30/24 10:29	01/30/24 15:40
35856950009	NW-23 (60)	Water	01/30/24 10:42	01/30/24 15:40
35856950010	RR-17 (20)	Water	01/30/24 11:23	01/30/24 15:40
35856950011	RR-17 (60)	Water	01/30/24 11:48	01/30/24 15:40
35856950012	NW-46 (20)	Water	01/30/24 12:59	01/30/24 15:40
35856950013	NW-46 (60)	Water	01/30/24 13:07	01/30/24 15:40
35856950014	NW-18 (20)	Water	01/30/24 13:49	01/30/24 15:40
35856950015	NW-18 (60)	Water	01/30/24 14:17	01/30/24 15:40
35856950016	NW-18 (60) DUPLICATE	Water	01/30/24 14:17	01/30/24 15:40
35856950017	EQ BLANK 013024	Water	01/30/24 14:50	01/30/24 15:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35856950001	RR-16 (15)	EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	JIF	49	PASI-O
		SM 2320B	SAH	1	PASI-O
		SM 2540C	WW1	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	VAG	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
35856950002	RR-16 (30)	EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	JIF	49	PASI-O
		SM 2320B	SAH	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	VAG	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
35856950003	RR-16 (60)	EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	JIF	49	PASI-O
		SM 2320B	SAH	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	VAG	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35856950004	RE-10 (15)	EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	JIF	49	PASI-O
		SM 2320B	SAH	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	VAG	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
35856950005	RE-10 (30)	EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	JIF	49	PASI-O
		SM 2320B	SAH	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	VAG	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
35856950006	RE-10 (60)	SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35856950007	NW-23 (15)	EPA 8260	AST	49	PASI-O
		SM 2320B	SAH	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	VAG	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
35856950008	NW-23 (30)	EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35856950009	NW-23 (60)	SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
35856950010	RR-17 (20)	EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
35856950011	RR-17 (60)	EPA 8260	AST	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35856950012	NW-46 (20)	EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
35856950013	NW-46 (60)	EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
35856950014	NW-18 (20)	EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35856950015	NW-18 (60)	EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
35856950016	NW-18 (60) DUPLICATE	EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	AMD1	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35856950017	EQ BLANK 013024	EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O
		EPA 8011	SAM1	2	PASI-O
		EPA 6010	AAM1	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		TKN-NH3 Calculation	NMT	1	PASI-O
		EPA 300.0	VAG	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	JTK	2	PASI-O
		EPA 410.4	EAD	1	PASI-O
		SM 5310B	EAD	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RR-16 (15)		Lab ID: 35856950001		Collected: 01/30/24 07:47		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
		Pace Analytical Services - Ormond Beach							
Field pH	7.30	Std. Units			1		01/30/24 07:47		
Field Temperature	25.1	deg C			1		01/30/24 07:47		
Field Specific Conductance	506	umhos/cm			1		01/30/24 07:47		
Oxygen, Dissolved	0.17	mg/L			1		01/30/24 07:47	7782-44-7	
Turbidity	0.38	NTU			1		01/30/24 07:47		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
		Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.020	0.0066	1	01/31/24 19:48	02/01/24 04:07	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	01/31/24 19:48	02/01/24 04:07	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Barium	25.9	ug/L	10.0	0.84	1	01/31/24 02:20	02/05/24 11:17	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/31/24 02:20	02/05/24 11:17	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/31/24 02:20	02/05/24 11:17	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/31/24 02:20	02/05/24 11:17	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/31/24 02:20	02/05/24 11:17	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/31/24 02:20	02/05/24 11:17	7440-50-8	
Iron	115	ug/L	40.0	25.0	1	01/31/24 02:20	02/05/24 11:17	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/31/24 02:20	02/05/24 11:17	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 11:17	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/31/24 02:20	02/05/24 11:17	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 11:17	7440-22-4	
Sodium	24.2	mg/L	2.0	0.54	1	01/31/24 02:20	02/05/24 11:17	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/31/24 02:20	02/05/24 11:17	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/31/24 02:20	02/05/24 11:17	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 11:43	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 11:43	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/31/24 02:20	01/31/24 11:43	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
		Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/08/24 10:21	02/08/24 13:18	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
		Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		01/31/24 17:47	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		01/31/24 17:47	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		01/31/24 17:47	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		01/31/24 17:47	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RR-16 (15) Lab ID: 35856950001 Collected: 01/30/24 07:47 Received: 01/30/24 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		01/31/24 17:47	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		01/31/24 17:47	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		01/31/24 17:47	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		01/31/24 17:47	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		01/31/24 17:47	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		01/31/24 17:47	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		01/31/24 17:47	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		01/31/24 17:47	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		01/31/24 17:47	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		01/31/24 17:47	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		01/31/24 17:47	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		01/31/24 17:47	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		01/31/24 17:47	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		01/31/24 17:47	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		01/31/24 17:47	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		01/31/24 17:47	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		01/31/24 17:47	75-35-4	J(v1)
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		01/31/24 17:47	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		01/31/24 17:47	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		01/31/24 17:47	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		01/31/24 17:47	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		01/31/24 17:47	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		01/31/24 17:47	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		01/31/24 17:47	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		01/31/24 17:47	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		01/31/24 17:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		01/31/24 17:47	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		01/31/24 17:47	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		01/31/24 17:47	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		01/31/24 17:47	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		01/31/24 17:47	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		01/31/24 17:47	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/31/24 17:47	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/31/24 17:47	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		01/31/24 17:47	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		01/31/24 17:47	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		01/31/24 17:47	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		01/31/24 17:47	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		01/31/24 17:47	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		01/31/24 17:47	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		01/31/24 17:47	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		01/31/24 17:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/31/24 17:47	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/31/24 17:47	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RR-16 (15)		Lab ID: 35856950001		Collected: 01/30/24 07:47		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/31/24 17:47	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	208	mg/L	5.0	5.0	1		02/06/24 16:12		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	269	mg/L	5.0	5.0	1		02/05/24 13:14		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.20 U	mg/L	0.50	0.20	1		03/12/24 11:27		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	30.6	mg/L	5.0	2.5	1		02/01/24 05:04	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.75	mg/L	0.050	0.035	1		02/05/24 18:47	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	0.77	mg/L	0.50	0.20	1	03/05/24 12:00	03/06/24 14:14	7727-37-9	Q
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/31/24 07:35		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/31/24 07:35	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	19.9 I	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	5.8	mg/L	1.0	0.50	1		02/01/24 23:59	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RR-16 (30)		Lab ID: 35856950002		Collected: 01/30/24 07:59		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
		Pace Analytical Services - Ormond Beach							
Field pH	7.07	Std. Units			1		01/30/24 07:59		
Field Temperature	25.4	deg C			1		01/30/24 07:59		
Field Specific Conductance	647	umhos/cm			1		01/30/24 07:59		
Oxygen, Dissolved	0.10	mg/L			1		01/30/24 07:59	7782-44-7	
Turbidity	0.33	NTU			1		01/30/24 07:59		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
		Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	01/31/24 19:48	02/01/24 04:32	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	01/31/24 19:48	02/01/24 04:32	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Barium	30.4	ug/L	10.0	0.84	1	01/31/24 02:20	02/05/24 11:21	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/31/24 02:20	02/05/24 11:21	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/31/24 02:20	02/05/24 11:21	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/31/24 02:20	02/05/24 11:21	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/31/24 02:20	02/05/24 11:21	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/31/24 02:20	02/05/24 11:21	7440-50-8	
Iron	578	ug/L	40.0	25.0	1	01/31/24 02:20	02/05/24 11:21	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/31/24 02:20	02/05/24 11:21	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 11:21	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/31/24 02:20	02/05/24 11:21	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 11:21	7440-22-4	
Sodium	25.9	mg/L	2.0	0.54	1	01/31/24 02:20	02/05/24 11:21	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/31/24 02:20	02/05/24 11:21	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/31/24 02:20	02/05/24 11:21	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 11:45	7440-36-0	
Arsenic	0.71 I	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 11:45	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/31/24 02:20	01/31/24 11:45	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
		Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/12/24 07:50	02/12/24 11:06	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
		Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		01/31/24 18:34	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		01/31/24 18:34	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		01/31/24 18:34	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		01/31/24 18:34	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RR-16 (30) Lab ID: 35856950002 Collected: 01/30/24 07:59 Received: 01/30/24 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		01/31/24 18:34	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		01/31/24 18:34	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		01/31/24 18:34	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		01/31/24 18:34	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		01/31/24 18:34	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		01/31/24 18:34	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		01/31/24 18:34	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		01/31/24 18:34	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		01/31/24 18:34	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		01/31/24 18:34	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		01/31/24 18:34	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		01/31/24 18:34	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		01/31/24 18:34	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		01/31/24 18:34	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		01/31/24 18:34	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		01/31/24 18:34	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		01/31/24 18:34	75-35-4	J(v1)
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		01/31/24 18:34	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		01/31/24 18:34	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		01/31/24 18:34	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		01/31/24 18:34	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		01/31/24 18:34	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		01/31/24 18:34	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		01/31/24 18:34	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		01/31/24 18:34	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		01/31/24 18:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		01/31/24 18:34	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		01/31/24 18:34	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		01/31/24 18:34	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		01/31/24 18:34	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		01/31/24 18:34	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		01/31/24 18:34	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/31/24 18:34	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/31/24 18:34	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		01/31/24 18:34	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		01/31/24 18:34	75-69-4	J(M1), J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		01/31/24 18:34	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		01/31/24 18:34	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		01/31/24 18:34	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		01/31/24 18:34	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		01/31/24 18:34	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		01/31/24 18:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/31/24 18:34	460-00-4	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RR-16 (30)		Lab ID: 35856950002		Collected: 01/30/24 07:59		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
Toluene-d8 (S)	105	%	70-130		1		01/31/24 18:34	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/31/24 18:34	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO ₃	283	mg/L	5.0	5.0	1		02/06/24 16:24		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	351	mg/L	5.0	5.0	1		02/05/24 16:34		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH ₃ Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.20 U	mg/L	0.50	0.20	1		02/13/24 14:11		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	35.1	mg/L	5.0	2.5	1		02/01/24 05:25	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	3.1	mg/L	0.050	0.035	1		02/05/24 18:48	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	2.8	mg/L	0.50	0.20	1	02/08/24 12:05	02/09/24 11:10	7727-37-9	
353.2 Nitrogen, NO₂/NO₃ unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO ₂ plus NO ₃	0.017 I	mg/L	0.050	0.015	1		01/31/24 07:36		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/31/24 07:36	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	31.5	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	10.3	mg/L	1.0	0.50	1		02/02/24 00:10	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RR-16 (60)		Lab ID: 35856950003		Collected: 01/30/24 08:16		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
		Pace Analytical Services - Ormond Beach							
Field pH	7.32	Std. Units			1		01/30/24 08:16		
Field Temperature	24.8	deg C			1		01/30/24 08:16		
Field Specific Conductance	530	umhos/cm			1		01/30/24 08:16		
Oxygen, Dissolved	0.06	mg/L			1		01/30/24 08:16	7782-44-7	
Turbidity	0.38	NTU			1		01/30/24 08:16		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
		Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	01/31/24 19:48	02/01/24 04:57	96-12-8	
1,2-Dibromoethane (EDB)	0.0075 U	ug/L	0.010	0.0075	1	01/31/24 19:48	02/01/24 04:57	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Barium	14.6	ug/L	10.0	0.84	1	01/31/24 02:20	02/05/24 11:35	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/31/24 02:20	02/05/24 11:35	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/31/24 02:20	02/05/24 11:35	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/31/24 02:20	02/05/24 11:35	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/31/24 02:20	02/05/24 11:35	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/31/24 02:20	02/05/24 11:35	7440-50-8	
Iron	596	ug/L	40.0	25.0	1	01/31/24 02:20	02/05/24 11:35	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/31/24 02:20	02/05/24 11:35	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 11:35	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/31/24 02:20	02/05/24 11:35	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 11:35	7440-22-4	
Sodium	30.5	mg/L	2.0	0.54	1	01/31/24 02:20	02/05/24 11:35	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/31/24 02:20	02/05/24 11:35	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/31/24 02:20	02/05/24 11:35	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 11:48	7440-36-0	
Arsenic	0.63 I	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 11:48	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/31/24 02:20	01/31/24 11:48	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
		Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/12/24 12:38	02/13/24 13:20	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
		Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		01/31/24 19:21	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		01/31/24 19:21	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		01/31/24 19:21	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		01/31/24 19:21	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RR-16 (60) Lab ID: 35856950003 Collected: 01/30/24 08:16 Received: 01/30/24 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		01/31/24 19:21	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		01/31/24 19:21	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		01/31/24 19:21	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		01/31/24 19:21	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		01/31/24 19:21	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		01/31/24 19:21	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		01/31/24 19:21	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		01/31/24 19:21	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		01/31/24 19:21	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		01/31/24 19:21	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		01/31/24 19:21	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		01/31/24 19:21	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		01/31/24 19:21	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		01/31/24 19:21	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		01/31/24 19:21	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		01/31/24 19:21	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		01/31/24 19:21	75-35-4	J(v1)
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		01/31/24 19:21	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		01/31/24 19:21	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		01/31/24 19:21	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		01/31/24 19:21	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		01/31/24 19:21	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		01/31/24 19:21	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		01/31/24 19:21	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		01/31/24 19:21	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		01/31/24 19:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		01/31/24 19:21	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		01/31/24 19:21	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		01/31/24 19:21	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		01/31/24 19:21	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		01/31/24 19:21	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		01/31/24 19:21	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/31/24 19:21	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/31/24 19:21	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		01/31/24 19:21	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		01/31/24 19:21	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		01/31/24 19:21	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		01/31/24 19:21	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		01/31/24 19:21	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		01/31/24 19:21	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		01/31/24 19:21	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		01/31/24 19:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/31/24 19:21	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		01/31/24 19:21	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RR-16 (60)		Lab ID: 35856950003		Collected: 01/30/24 08:16		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		01/31/24 19:21	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	206	mg/L	5.0	5.0	1		02/06/24 16:36		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	297	mg/L	5.0	5.0	1		02/05/24 16:34		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.25 I	mg/L	0.50	0.20	1		02/13/24 14:11		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	39.5	mg/L	5.0	2.5	1		02/01/24 05:47	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.93	mg/L	0.050	0.035	1		02/05/24 18:53	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.2	mg/L	0.50	0.20	1	02/08/24 12:05	02/09/24 11:11	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/31/24 07:43		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/31/24 07:43	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	27.5	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	9.6	mg/L	1.0	0.50	1		02/02/24 00:22	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RE-10 (15)		Lab ID: 35856950004		Collected: 01/30/24 08:57		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	7.27	Std. Units			1		01/30/24 08:57		
Field Temperature	23.9	deg C			1		01/30/24 08:57		
Field Specific Conductance	701	umhos/cm			1		01/30/24 08:57		
Oxygen, Dissolved	0.03	mg/L			1		01/30/24 08:57	7782-44-7	
Turbidity	0.47	NTU			1		01/30/24 08:57		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	01/31/24 19:48	02/01/24 05:09	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	01/31/24 19:48	02/01/24 05:09	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Barium	26.5	ug/L	10.0	0.84	1	01/31/24 02:20	02/05/24 11:38	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/31/24 02:20	02/05/24 11:38	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/31/24 02:20	02/05/24 11:38	7440-43-9	
Chromium	3.9 I	ug/L	5.0	1.7	1	01/31/24 02:20	02/05/24 11:38	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/31/24 02:20	02/05/24 11:38	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/31/24 02:20	02/05/24 11:38	7440-50-8	
Iron	30.6 I	ug/L	40.0	25.0	1	01/31/24 02:20	02/05/24 11:38	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/31/24 02:20	02/05/24 11:38	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 11:38	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/31/24 02:20	02/05/24 11:38	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 11:38	7440-22-4	
Sodium	52.4	mg/L	2.0	0.54	1	01/31/24 02:20	02/05/24 11:38	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/31/24 02:20	02/05/24 11:38	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/31/24 02:20	02/05/24 11:38	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 11:51	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 11:51	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/31/24 02:20	01/31/24 11:51	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/12/24 12:38	02/13/24 13:32	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		01/31/24 19:44	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		01/31/24 19:44	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		01/31/24 19:44	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		01/31/24 19:44	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RE-10 (15) Lab ID: 35856950004 Collected: 01/30/24 08:57 Received: 01/30/24 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		01/31/24 19:44	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		01/31/24 19:44	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		01/31/24 19:44	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		01/31/24 19:44	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		01/31/24 19:44	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		01/31/24 19:44	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		01/31/24 19:44	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		01/31/24 19:44	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		01/31/24 19:44	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		01/31/24 19:44	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		01/31/24 19:44	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		01/31/24 19:44	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		01/31/24 19:44	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		01/31/24 19:44	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		01/31/24 19:44	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		01/31/24 19:44	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		01/31/24 19:44	75-35-4	J(v1)
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		01/31/24 19:44	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		01/31/24 19:44	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		01/31/24 19:44	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		01/31/24 19:44	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		01/31/24 19:44	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		01/31/24 19:44	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		01/31/24 19:44	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		01/31/24 19:44	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		01/31/24 19:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		01/31/24 19:44	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		01/31/24 19:44	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		01/31/24 19:44	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		01/31/24 19:44	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		01/31/24 19:44	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		01/31/24 19:44	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/31/24 19:44	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/31/24 19:44	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		01/31/24 19:44	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		01/31/24 19:44	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		01/31/24 19:44	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		01/31/24 19:44	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		01/31/24 19:44	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		01/31/24 19:44	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		01/31/24 19:44	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		01/31/24 19:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/31/24 19:44	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/31/24 19:44	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RE-10 (15)		Lab ID: 35856950004		Collected: 01/30/24 08:57		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/31/24 19:44	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	216	mg/L	5.0	5.0	1		02/06/24 16:47		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	389	mg/L	5.0	5.0	1		02/05/24 16:34		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.20 U	mg/L	0.50	0.20	1		02/13/24 14:11		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	92.5	mg/L	5.0	2.5	1		02/01/24 06:08	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.98	mg/L	0.050	0.035	1		02/05/24 18:58	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.2	mg/L	0.50	0.20	1	02/08/24 12:05	02/09/24 11:15	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/31/24 07:57		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/31/24 07:57	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	26.1	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	7.1	mg/L	1.0	0.50	1		02/02/24 00:38	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RE-10 (30) Lab ID: 35856950005 Collected: 01/30/24 09:09 Received: 01/30/24 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	7.25	Std. Units			1		01/30/24 09:09		
Field Temperature	25.0	deg C			1		01/30/24 09:09		
Field Specific Conductance	765	umhos/cm			1		01/30/24 09:09		
Oxygen, Dissolved	0.15	mg/L			1		01/30/24 09:09	7782-44-7	
Turbidity	0.25	NTU			1		01/30/24 09:09		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.020	0.0066	1	01/31/24 19:48	02/01/24 05:34	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	01/31/24 19:48	02/01/24 05:34	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Barium	28.4	ug/L	10.0	0.84	1	01/31/24 02:20	02/05/24 11:48	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/31/24 02:20	02/05/24 11:48	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/31/24 02:20	02/05/24 11:48	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/31/24 02:20	02/05/24 11:48	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/31/24 02:20	02/05/24 11:48	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/31/24 02:20	02/05/24 11:48	7440-50-8	
Iron	409	ug/L	40.0	25.0	1	01/31/24 02:20	02/05/24 11:48	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/31/24 02:20	02/05/24 11:48	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 11:48	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/31/24 02:20	02/05/24 11:48	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 11:48	7440-22-4	
Sodium	58.3	mg/L	2.0	0.54	1	01/31/24 02:20	02/05/24 11:48	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/31/24 02:20	02/05/24 11:48	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/31/24 02:20	02/05/24 11:48	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 11:53	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 11:53	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/31/24 02:20	01/31/24 11:53	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/12/24 12:38	02/13/24 13:34	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		01/31/24 20:08	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		01/31/24 20:08	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		01/31/24 20:08	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		01/31/24 20:08	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RE-10 (30) Lab ID: 35856950005 Collected: 01/30/24 09:09 Received: 01/30/24 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		01/31/24 20:08	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		01/31/24 20:08	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		01/31/24 20:08	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		01/31/24 20:08	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		01/31/24 20:08	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		01/31/24 20:08	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		01/31/24 20:08	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		01/31/24 20:08	75-00-3	
Chloroform	0.56 U	ug/L	1.0	0.56	1		01/31/24 20:08	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		01/31/24 20:08	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		01/31/24 20:08	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		01/31/24 20:08	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		01/31/24 20:08	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		01/31/24 20:08	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		01/31/24 20:08	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		01/31/24 20:08	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		01/31/24 20:08	75-35-4	J(v1)
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		01/31/24 20:08	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		01/31/24 20:08	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		01/31/24 20:08	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		01/31/24 20:08	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		01/31/24 20:08	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		01/31/24 20:08	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		01/31/24 20:08	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		01/31/24 20:08	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		01/31/24 20:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		01/31/24 20:08	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		01/31/24 20:08	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		01/31/24 20:08	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		01/31/24 20:08	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		01/31/24 20:08	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		01/31/24 20:08	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/31/24 20:08	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		01/31/24 20:08	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		01/31/24 20:08	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		01/31/24 20:08	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		01/31/24 20:08	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		01/31/24 20:08	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		01/31/24 20:08	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		01/31/24 20:08	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		01/31/24 20:08	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		01/31/24 20:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/31/24 20:08	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/31/24 20:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RE-10 (30)		Lab ID: 35856950005		Collected: 01/30/24 09:09		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		01/31/24 20:08	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	216	mg/L	5.0	5.0	1		02/06/24 16:59		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	432	mg/L	5.0	5.0	1		02/05/24 16:34		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.20 U	mg/L	0.50	0.20	1		02/13/24 14:11		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	106	mg/L	10.0	5.0	2		02/01/24 08:50	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.97	mg/L	0.050	0.035	1		02/05/24 18:59	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.1	mg/L	0.50	0.20	1	02/08/24 12:05	02/09/24 11:16	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.026 I	mg/L	0.050	0.015	1		01/31/24 07:58		
Nitrogen, Nitrate	0.026 I	mg/L	0.050	0.025	1		01/31/24 07:58	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	28.4	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	7.8	mg/L	1.0	0.50	1		02/02/24 00:49	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RE-10 (60)		Lab ID: 35856950006		Collected: 01/30/24 09:22		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	7.25	Std. Units			1		01/30/24 09:22		
Field Temperature	24.8	deg C			1		01/30/24 09:22		
Field Specific Conductance	667	umhos/cm			1		01/30/24 09:22		
Oxygen, Dissolved	0.08	mg/L			1		01/30/24 09:22	7782-44-7	
Turbidity	0.23	NTU			1		01/30/24 09:22		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	01/31/24 19:48	02/01/24 05:46	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	01/31/24 19:48	02/01/24 05:46	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Barium	21.4	ug/L	10.0	0.84	1	01/31/24 02:20	02/05/24 11:52	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/31/24 02:20	02/05/24 11:52	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/31/24 02:20	02/05/24 11:52	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/31/24 02:20	02/05/24 11:52	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/31/24 02:20	02/05/24 11:52	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/31/24 02:20	02/05/24 11:52	7440-50-8	
Iron	734	ug/L	40.0	25.0	1	01/31/24 02:20	02/05/24 11:52	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/31/24 02:20	02/05/24 11:52	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 11:52	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/31/24 02:20	02/05/24 11:52	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 11:52	7440-22-4	
Sodium	44.4	mg/L	2.0	0.54	1	01/31/24 02:20	02/05/24 11:52	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/31/24 02:20	02/05/24 11:52	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/31/24 02:20	02/05/24 11:52	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 11:56	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 11:56	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/31/24 02:20	01/31/24 11:56	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/12/24 12:38	02/13/24 14:08	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/01/24 05:10	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/01/24 05:10	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 05:10	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/01/24 05:10	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RE-10 (60) Lab ID: 35856950006 Collected: 01/30/24 09:22 Received: 01/30/24 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/01/24 05:10	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/01/24 05:10	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/01/24 05:10	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/01/24 05:10	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/01/24 05:10	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/01/24 05:10	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/01/24 05:10	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/01/24 05:10	75-00-3	J(v1),L3
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/01/24 05:10	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/01/24 05:10	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/01/24 05:10	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/01/24 05:10	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/01/24 05:10	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/01/24 05:10	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/01/24 05:10	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/01/24 05:10	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/01/24 05:10	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/01/24 05:10	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/01/24 05:10	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/01/24 05:10	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/01/24 05:10	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/01/24 05:10	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 05:10	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/01/24 05:10	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/01/24 05:10	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/01/24 05:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/01/24 05:10	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/01/24 05:10	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/01/24 05:10	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/01/24 05:10	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/01/24 05:10	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/01/24 05:10	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 05:10	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 05:10	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/01/24 05:10	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/01/24 05:10	75-69-4	J(v1),L3
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/01/24 05:10	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/01/24 05:10	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/01/24 05:10	75-01-4	J(v1)
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/01/24 05:10	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/01/24 05:10	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/01/24 05:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		02/01/24 05:10	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		02/01/24 05:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RE-10 (60)		Lab ID: 35856950006		Collected: 01/30/24 09:22		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		02/01/24 05:10	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	217	mg/L	5.0	5.0	1		02/06/24 17:10		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	370	mg/L	5.0	5.0	1		02/05/24 16:34		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.20 I	mg/L	0.50	0.20	1		02/13/24 14:11		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	75.0	mg/L	5.0	2.5	1		02/06/24 19:58	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	1.0	mg/L	0.050	0.035	1		02/05/24 19:01	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.2	mg/L	0.50	0.20	1	02/08/24 12:05	02/09/24 11:18	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/31/24 08:56		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/31/24 08:56	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	29.2	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	9.5	mg/L	1.0	0.50	1		02/02/24 01:01	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-23 (15)		Lab ID: 35856950007		Collected: 01/30/24 10:30		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
		Pace Analytical Services - Ormond Beach							
Field pH	7.40	Std. Units			1		01/30/24 10:30		
Field Temperature	24.2	deg C			1		01/30/24 10:30		
Field Specific Conductance	445	umhos/cm			1		01/30/24 10:30		
Oxygen, Dissolved	0.27	mg/L			1		01/30/24 10:30	7782-44-7	
Turbidity	0.81	NTU			1		01/30/24 10:30		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
		Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	01/31/24 19:48	02/01/24 05:59	96-12-8	
1,2-Dibromoethane (EDB)	0.0075 U	ug/L	0.010	0.0075	1	01/31/24 19:48	02/01/24 05:59	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Barium	20.1	ug/L	10.0	0.84	1	01/31/24 02:20	02/05/24 11:55	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/31/24 02:20	02/05/24 11:55	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/31/24 02:20	02/05/24 11:55	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/31/24 02:20	02/05/24 11:55	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/31/24 02:20	02/05/24 11:55	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/31/24 02:20	02/05/24 11:55	7440-50-8	
Iron	59.1	ug/L	40.0	25.0	1	01/31/24 02:20	02/05/24 11:55	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/31/24 02:20	02/05/24 11:55	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 11:55	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/31/24 02:20	02/05/24 11:55	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 11:55	7440-22-4	
Sodium	21.1	mg/L	2.0	0.54	1	01/31/24 02:20	02/05/24 11:55	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/31/24 02:20	02/05/24 11:55	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/31/24 02:20	02/05/24 11:55	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:03	7440-36-0	
Arsenic	0.79 I	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:03	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/31/24 02:20	01/31/24 12:03	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
		Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/12/24 12:38	02/13/24 14:11	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
		Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/01/24 06:44	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/01/24 06:44	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 06:44	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/01/24 06:44	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-23 (15) Lab ID: 35856950007 Collected: 01/30/24 10:30 Received: 01/30/24 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/01/24 06:44	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/01/24 06:44	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/01/24 06:44	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/01/24 06:44	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/01/24 06:44	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/01/24 06:44	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/01/24 06:44	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/01/24 06:44	75-00-3	J(v1),L3
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/01/24 06:44	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/01/24 06:44	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/01/24 06:44	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/01/24 06:44	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/01/24 06:44	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/01/24 06:44	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/01/24 06:44	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/01/24 06:44	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/01/24 06:44	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/01/24 06:44	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/01/24 06:44	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/01/24 06:44	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/01/24 06:44	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/01/24 06:44	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 06:44	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/01/24 06:44	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/01/24 06:44	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/01/24 06:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/01/24 06:44	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/01/24 06:44	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/01/24 06:44	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/01/24 06:44	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/01/24 06:44	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/01/24 06:44	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 06:44	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 06:44	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/01/24 06:44	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/01/24 06:44	75-69-4	J(v1),L3
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/01/24 06:44	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/01/24 06:44	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/01/24 06:44	75-01-4	J(v1)
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/01/24 06:44	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/01/24 06:44	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/01/24 06:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		02/01/24 06:44	460-00-4	
Toluene-d8 (S)	104	%	70-130		1		02/01/24 06:44	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-23 (15)		Lab ID: 35856950007		Collected: 01/30/24 10:30		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		02/01/24 06:44	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	191	mg/L	5.0	5.0	1		02/08/24 15:03		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	276	mg/L	5.0	5.0	1		02/05/24 18:07		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.40 I	mg/L	0.50	0.20	1		02/13/24 14:11		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	32.2	mg/L	5.0	2.5	1		02/02/24 02:54	16887-00-6	J(M1)
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.39	mg/L	0.050	0.035	1		02/05/24 19:03	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	0.79	mg/L	0.50	0.20	1	02/08/24 12:05	02/09/24 11:19	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/31/24 09:22		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/31/24 09:22	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	27.5	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	7.1	mg/L	1.0	0.50	1		02/02/24 01:14	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-23 (30)		Lab ID: 35856950008		Collected: 01/30/24 10:29		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	7.30	Std. Units			1		01/30/24 10:29		
Field Temperature	25.4	deg C			1		01/30/24 10:29		
Field Specific Conductance	742	umhos/cm			1		01/30/24 10:29		
Oxygen, Dissolved	0.41	mg/L			1		01/30/24 10:29	7782-44-7	
Turbidity	0.36	NTU			1		01/30/24 10:29		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	01/31/24 19:48	02/01/24 06:11	96-12-8	
1,2-Dibromoethane (EDB)	0.0075 U	ug/L	0.010	0.0075	1	01/31/24 19:48	02/01/24 06:11	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Barium	37.7	ug/L	10.0	0.84	1	01/31/24 02:20	02/05/24 11:59	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/31/24 02:20	02/05/24 11:59	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/31/24 02:20	02/05/24 11:59	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/31/24 02:20	02/05/24 11:59	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/31/24 02:20	02/05/24 11:59	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/31/24 02:20	02/05/24 11:59	7440-50-8	
Iron	109	ug/L	40.0	25.0	1	01/31/24 02:20	02/05/24 11:59	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/31/24 02:20	02/05/24 11:59	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 11:59	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/31/24 02:20	02/05/24 11:59	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 11:59	7440-22-4	
Sodium	60.5	mg/L	2.0	0.54	1	01/31/24 02:20	02/05/24 11:59	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/31/24 02:20	02/05/24 11:59	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/31/24 02:20	02/05/24 11:59	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:06	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:06	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/31/24 02:20	01/31/24 12:06	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/12/24 12:38	02/13/24 14:13	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/01/24 05:57	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/01/24 05:57	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 05:57	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/01/24 05:57	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-23 (30) Lab ID: 35856950008 Collected: 01/30/24 10:29 Received: 01/30/24 15:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/01/24 05:57	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/01/24 05:57	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/01/24 05:57	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/01/24 05:57	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/01/24 05:57	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/01/24 05:57	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/01/24 05:57	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/01/24 05:57	75-00-3	J(M0), J(v1),L3
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/01/24 05:57	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/01/24 05:57	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/01/24 05:57	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/01/24 05:57	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/01/24 05:57	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/01/24 05:57	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/01/24 05:57	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/01/24 05:57	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/01/24 05:57	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/01/24 05:57	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/01/24 05:57	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/01/24 05:57	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/01/24 05:57	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/01/24 05:57	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 05:57	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/01/24 05:57	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/01/24 05:57	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/01/24 05:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/01/24 05:57	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/01/24 05:57	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/01/24 05:57	630-20-6	
1,1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/01/24 05:57	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/01/24 05:57	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/01/24 05:57	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 05:57	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 05:57	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/01/24 05:57	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/01/24 05:57	75-69-4	J(M0), J(v1),L3
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/01/24 05:57	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/01/24 05:57	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/01/24 05:57	75-01-4	J(v1)
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/01/24 05:57	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/01/24 05:57	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/01/24 05:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		02/01/24 05:57	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-23 (30)		Lab ID: 35856950008		Collected: 01/30/24 10:29		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
Toluene-d8 (S)	104	%	70-130		1		02/01/24 05:57	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		02/01/24 05:57	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO ₃	232	mg/L	5.0	5.0	1		02/08/24 14:51		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	415	mg/L	5.0	5.0	1		02/05/24 18:07		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH ₃ Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.20 U	mg/L	0.50	0.20	1		02/13/24 14:11		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	92.4	mg/L	5.0	2.5	1		02/02/24 03:58	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	1.4	mg/L	0.050	0.035	1		02/05/24 19:04	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.5	mg/L	0.50	0.20	1	02/08/24 12:05	02/09/24 11:20	7727-37-9	
353.2 Nitrogen, NO₂/NO₃ unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO ₂ plus NO ₃	0.015 U	mg/L	0.050	0.015	1		01/31/24 09:21		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/31/24 09:21	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	32.3	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	10.4	mg/L	1.0	0.50	1		02/02/24 01:26	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-23 (60)		Lab ID: 35856950009		Collected: 01/30/24 10:42		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
		Pace Analytical Services - Ormond Beach							
Field pH	7.22	Std. Units			1		01/30/24 10:42		
Field Temperature	24.8	deg C			1		01/30/24 10:42		
Field Specific Conductance	1152	umhos/cm			1		01/30/24 10:42		
Oxygen, Dissolved	0.60	mg/L			1		01/30/24 10:42	7782-44-7	
Turbidity	0.54	NTU			1		01/30/24 10:42		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
		Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	01/31/24 19:48	02/01/24 06:23	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	01/31/24 19:48	02/01/24 06:23	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Barium	55.5	ug/L	10.0	0.84	1	01/31/24 02:20	02/05/24 12:02	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/31/24 02:20	02/05/24 12:02	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/31/24 02:20	02/05/24 12:02	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/31/24 02:20	02/05/24 12:02	7440-47-3	
Cobalt	2.8 I	ug/L	10.0	0.96	1	01/31/24 02:20	02/05/24 12:02	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/31/24 02:20	02/05/24 12:02	7440-50-8	
Iron	1150	ug/L	40.0	25.0	1	01/31/24 02:20	02/05/24 12:02	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/31/24 02:20	02/05/24 12:02	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 12:02	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/31/24 02:20	02/05/24 12:02	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 12:02	7440-22-4	
Sodium	104	mg/L	2.0	0.54	1	01/31/24 02:20	02/05/24 12:02	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/31/24 02:20	02/05/24 12:02	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/31/24 02:20	02/05/24 12:02	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:09	7440-36-0	
Arsenic	0.70 I	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:09	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/31/24 02:20	01/31/24 12:09	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
		Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/12/24 12:38	02/13/24 14:15	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
		Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/01/24 07:08	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/01/24 07:08	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 07:08	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/01/24 07:08	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-23 (60) Lab ID: 35856950009 Collected: 01/30/24 10:42 Received: 01/30/24 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/01/24 07:08	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/01/24 07:08	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/01/24 07:08	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/01/24 07:08	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/01/24 07:08	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/01/24 07:08	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/01/24 07:08	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/01/24 07:08	75-00-3	J(v1),L3
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/01/24 07:08	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/01/24 07:08	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/01/24 07:08	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/01/24 07:08	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/01/24 07:08	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/01/24 07:08	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/01/24 07:08	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/01/24 07:08	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/01/24 07:08	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/01/24 07:08	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/01/24 07:08	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/01/24 07:08	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/01/24 07:08	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/01/24 07:08	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 07:08	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/01/24 07:08	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/01/24 07:08	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/01/24 07:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/01/24 07:08	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/01/24 07:08	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/01/24 07:08	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/01/24 07:08	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/01/24 07:08	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/01/24 07:08	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 07:08	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 07:08	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/01/24 07:08	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/01/24 07:08	75-69-4	J(v1),L3
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/01/24 07:08	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/01/24 07:08	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/01/24 07:08	75-01-4	J(v1)
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/01/24 07:08	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/01/24 07:08	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/01/24 07:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		02/01/24 07:08	460-00-4	
Toluene-d8 (S)	104	%	70-130		1		02/01/24 07:08	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-23 (60)		Lab ID: 35856950009		Collected: 01/30/24 10:42		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		02/01/24 07:08	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	194	mg/L	5.0	5.0	1		02/08/24 15:24		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	690	mg/L	10.0	10.0	1		02/05/24 18:07		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.20 U	mg/L	0.50	0.20	1		02/13/24 14:13		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	41.4	mg/L	5.0	2.5	1		02/02/24 04:20	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	1.6	mg/L	0.050	0.035	1		02/05/24 19:06	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.7	mg/L	0.50	0.20	1	02/08/24 12:05	02/09/24 11:22	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/31/24 09:57		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/31/24 09:57	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	41.4	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	10.4	mg/L	1.0	0.50	1		02/02/24 02:16	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RR-17 (20)		Lab ID: 35856950010		Collected: 01/30/24 11:23		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	7.29	Std. Units			1		01/30/24 11:23		
Field Temperature	26.0	deg C			1		01/30/24 11:23		
Field Specific Conductance	517	umhos/cm			1		01/30/24 11:23		
Oxygen, Dissolved	0.20	mg/L			1		01/30/24 11:23	7782-44-7	
Turbidity	0.29	NTU			1		01/30/24 11:23		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	01/31/24 19:48	02/01/24 06:36	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	01/31/24 19:48	02/01/24 06:36	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Barium	20.1	ug/L	10.0	0.84	1	01/31/24 02:20	02/05/24 12:06	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/31/24 02:20	02/05/24 12:06	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/31/24 02:20	02/05/24 12:06	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/31/24 02:20	02/05/24 12:06	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/31/24 02:20	02/05/24 12:06	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/31/24 02:20	02/05/24 12:06	7440-50-8	
Iron	483	ug/L	40.0	25.0	1	01/31/24 02:20	02/05/24 12:06	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/31/24 02:20	02/05/24 12:06	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 12:06	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/31/24 02:20	02/05/24 12:06	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 12:06	7440-22-4	
Sodium	25.2	mg/L	2.0	0.54	1	01/31/24 02:20	02/05/24 12:06	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/31/24 02:20	02/05/24 12:06	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/31/24 02:20	02/05/24 12:06	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:11	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:11	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/31/24 02:20	01/31/24 12:11	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/12/24 12:38	02/13/24 14:17	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/01/24 07:31	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/01/24 07:31	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 07:31	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/01/24 07:31	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RR-17 (20) Lab ID: 35856950010 Collected: 01/30/24 11:23 Received: 01/30/24 15:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/01/24 07:31	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/01/24 07:31	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/01/24 07:31	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/01/24 07:31	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/01/24 07:31	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/01/24 07:31	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/01/24 07:31	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/01/24 07:31	75-00-3	J(v1),L3
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/01/24 07:31	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/01/24 07:31	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/01/24 07:31	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/01/24 07:31	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/01/24 07:31	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/01/24 07:31	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/01/24 07:31	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/01/24 07:31	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/01/24 07:31	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/01/24 07:31	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/01/24 07:31	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/01/24 07:31	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/01/24 07:31	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/01/24 07:31	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 07:31	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/01/24 07:31	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/01/24 07:31	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/01/24 07:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/01/24 07:31	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/01/24 07:31	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/01/24 07:31	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/01/24 07:31	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/01/24 07:31	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/01/24 07:31	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 07:31	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 07:31	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/01/24 07:31	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/01/24 07:31	75-69-4	J(v1),L3
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/01/24 07:31	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/01/24 07:31	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/01/24 07:31	75-01-4	J(v1)
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/01/24 07:31	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/01/24 07:31	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/01/24 07:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		02/01/24 07:31	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		02/01/24 07:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RR-17 (20)		Lab ID: 35856950010		Collected: 01/30/24 11:23		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		02/01/24 07:31	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	206	mg/L	5.0	5.0	1		02/08/24 15:45		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	308	mg/L	5.0	5.0	1		02/05/24 20:44		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.21 I	mg/L	0.50	0.20	1		02/13/24 14:13		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	34.0	mg/L	5.0	2.5	1		02/02/24 04:41	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.76	mg/L	0.050	0.035	1		02/05/24 19:07	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	0.97	mg/L	0.50	0.20	1	02/09/24 12:42	02/12/24 13:52	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.071	mg/L	0.050	0.015	1		01/31/24 10:21		
Nitrogen, Nitrate	0.071	mg/L	0.050	0.025	1		01/31/24 10:21	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	25.3	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	7.7	mg/L	1.0	0.50	1		02/02/24 02:56	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RR-17 (60)		Lab ID: 35856950011		Collected: 01/30/24 11:48		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	7.20	Std. Units			1		01/30/24 11:48		
Field Temperature	25.0	deg C			1		01/30/24 11:48		
Field Specific Conductance	621	umhos/cm			1		01/30/24 11:48		
Oxygen, Dissolved	0.32	mg/L			1		01/30/24 11:48	7782-44-7	
Turbidity	0.48	NTU			1		01/30/24 11:48		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	01/31/24 19:48	02/01/24 06:48	96-12-8	
1,2-Dibromoethane (EDB)	0.0075 U	ug/L	0.010	0.0075	1	01/31/24 19:48	02/01/24 06:48	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Barium	19.0	ug/L	10.0	0.84	1	01/31/24 02:20	02/05/24 12:09	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/31/24 02:20	02/05/24 12:09	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/31/24 02:20	02/05/24 12:09	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/31/24 02:20	02/05/24 12:09	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/31/24 02:20	02/05/24 12:09	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/31/24 02:20	02/05/24 12:09	7440-50-8	
Iron	1010	ug/L	40.0	25.0	1	01/31/24 02:20	02/05/24 12:09	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/31/24 02:20	02/05/24 12:09	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 12:09	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/31/24 02:20	02/05/24 12:09	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 12:09	7440-22-4	
Sodium	33.1	mg/L	2.0	0.54	1	01/31/24 02:20	02/05/24 12:09	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/31/24 02:20	02/05/24 12:09	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/31/24 02:20	02/05/24 12:09	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:14	7440-36-0	
Arsenic	1.1	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:14	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/31/24 02:20	01/31/24 12:14	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/12/24 12:38	02/13/24 14:20	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/01/24 07:55	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/01/24 07:55	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 07:55	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/01/24 07:55	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RR-17 (60) Lab ID: 35856950011 Collected: 01/30/24 11:48 Received: 01/30/24 15:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/01/24 07:55	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/01/24 07:55	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/01/24 07:55	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/01/24 07:55	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/01/24 07:55	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/01/24 07:55	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/01/24 07:55	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/01/24 07:55	75-00-3	J(v1),L3
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/01/24 07:55	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/01/24 07:55	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/01/24 07:55	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/01/24 07:55	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/01/24 07:55	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/01/24 07:55	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/01/24 07:55	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/01/24 07:55	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/01/24 07:55	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/01/24 07:55	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/01/24 07:55	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/01/24 07:55	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/01/24 07:55	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/01/24 07:55	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 07:55	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/01/24 07:55	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/01/24 07:55	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/01/24 07:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/01/24 07:55	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/01/24 07:55	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/01/24 07:55	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/01/24 07:55	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/01/24 07:55	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/01/24 07:55	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 07:55	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 07:55	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/01/24 07:55	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/01/24 07:55	75-69-4	J(v1),L3
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/01/24 07:55	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/01/24 07:55	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/01/24 07:55	75-01-4	J(v1)
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/01/24 07:55	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/01/24 07:55	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/01/24 07:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		02/01/24 07:55	460-00-4	
Toluene-d8 (S)	104	%	70-130		1		02/01/24 07:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: RR-17 (60)		Lab ID: 35856950011		Collected: 01/30/24 11:48		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		02/01/24 07:55	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	241	mg/L	5.0	5.0	1		02/08/24 16:02		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	343	mg/L	5.0	5.0	1		02/05/24 20:44		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.31 I	mg/L	0.50	0.20	1		02/13/24 14:13		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	50.0	mg/L	5.0	2.5	1		02/02/24 05:03	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	1.1	mg/L	0.050	0.035	1		02/05/24 19:09	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.4	mg/L	0.50	0.20	1	02/09/24 12:42	02/12/24 13:53	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/31/24 10:27		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/31/24 10:27	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	39.1	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	13.4	mg/L	1.0	0.50	1		02/02/24 03:10	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-46 (20)		Lab ID: 35856950012		Collected: 01/30/24 12:59		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
		Pace Analytical Services - Ormond Beach							
Field pH	7.30	Std. Units			1		01/30/24 12:59		
Field Temperature	25.7	deg C			1		01/30/24 12:59		
Field Specific Conductance	469	umhos/cm			1		01/30/24 12:59		
Oxygen, Dissolved	1.01	mg/L			1		01/30/24 12:59	7782-44-7	
Turbidity	0.30	NTU			1		01/30/24 12:59		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
		Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0067 U	ug/L	0.021	0.0067	1	01/31/24 19:48	02/01/24 07:00	96-12-8	
1,2-Dibromoethane (EDB)	0.0078 U	ug/L	0.010	0.0078	1	01/31/24 19:48	02/01/24 07:00	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Barium	18.9	ug/L	10.0	0.84	1	01/31/24 02:20	02/05/24 12:12	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/31/24 02:20	02/05/24 12:12	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/31/24 02:20	02/05/24 12:12	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/31/24 02:20	02/05/24 12:12	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/31/24 02:20	02/05/24 12:12	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/31/24 02:20	02/05/24 12:12	7440-50-8	
Iron	169	ug/L	40.0	25.0	1	01/31/24 02:20	02/05/24 12:12	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/31/24 02:20	02/05/24 12:12	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 12:12	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/31/24 02:20	02/05/24 12:12	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 12:12	7440-22-4	
Sodium	21.6	mg/L	2.0	0.54	1	01/31/24 02:20	02/05/24 12:12	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/31/24 02:20	02/05/24 12:12	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/31/24 02:20	02/05/24 12:12	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:16	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:16	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/31/24 02:20	01/31/24 12:16	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
		Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/12/24 12:38	02/13/24 14:22	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
		Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/01/24 08:18	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/01/24 08:18	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 08:18	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/01/24 08:18	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-46 (20) Lab ID: 35856950012 Collected: 01/30/24 12:59 Received: 01/30/24 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/01/24 08:18	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/01/24 08:18	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/01/24 08:18	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/01/24 08:18	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/01/24 08:18	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/01/24 08:18	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/01/24 08:18	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/01/24 08:18	75-00-3	J(v1),L3
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/01/24 08:18	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/01/24 08:18	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/01/24 08:18	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/01/24 08:18	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/01/24 08:18	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/01/24 08:18	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/01/24 08:18	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/01/24 08:18	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/01/24 08:18	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/01/24 08:18	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/01/24 08:18	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/01/24 08:18	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/01/24 08:18	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/01/24 08:18	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 08:18	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/01/24 08:18	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/01/24 08:18	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/01/24 08:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/01/24 08:18	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/01/24 08:18	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/01/24 08:18	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/01/24 08:18	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/01/24 08:18	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/01/24 08:18	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 08:18	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 08:18	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/01/24 08:18	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/01/24 08:18	75-69-4	J(v1),L3
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/01/24 08:18	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/01/24 08:18	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/01/24 08:18	75-01-4	J(v1)
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/01/24 08:18	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/01/24 08:18	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/01/24 08:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		02/01/24 08:18	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		02/01/24 08:18	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-46 (20)		Lab ID: 35856950012		Collected: 01/30/24 12:59		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		02/01/24 08:18	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	200	mg/L	5.0	5.0	1		02/08/24 16:42		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	284	mg/L	5.0	5.0	1		02/05/24 20:44		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.23 I	mg/L	0.50	0.20	1		02/13/24 14:13		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	25.8	mg/L	5.0	2.5	1		02/02/24 05:24	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.99	mg/L	0.050	0.035	1		02/06/24 18:22	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.2	mg/L	0.50	0.20	1	02/09/24 12:42	02/12/24 13:55	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/31/24 12:22		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/31/24 12:22	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	29.5	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	9.1	mg/L	1.0	0.50	1		02/02/24 03:22	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-46 (60)		Lab ID: 35856950013		Collected: 01/30/24 13:07		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
		Pace Analytical Services - Ormond Beach							
Field pH	7.30	Std. Units			1		01/30/24 13:07		
Field Temperature	25.3	deg C			1		01/30/24 13:07		
Field Specific Conductance	534	umhos/cm			1		01/30/24 13:07		
Oxygen, Dissolved	1.34	mg/L			1		01/30/24 13:07	7782-44-7	
Turbidity	0.40	NTU			1		01/30/24 13:07		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
		Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	01/31/24 19:48	02/01/24 07:13	96-12-8	
1,2-Dibromoethane (EDB)	0.0075 U	ug/L	0.010	0.0075	1	01/31/24 19:48	02/01/24 07:13	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Barium	23.9	ug/L	10.0	0.84	1	01/31/24 02:20	02/05/24 12:16	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/31/24 02:20	02/05/24 12:16	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/31/24 02:20	02/05/24 12:16	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/31/24 02:20	02/05/24 12:16	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/31/24 02:20	02/05/24 12:16	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/31/24 02:20	02/05/24 12:16	7440-50-8	
Iron	700	ug/L	40.0	25.0	1	01/31/24 02:20	02/05/24 12:16	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/31/24 02:20	02/05/24 12:16	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 12:16	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/31/24 02:20	02/05/24 12:16	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 12:16	7440-22-4	
Sodium	30.7	mg/L	2.0	0.54	1	01/31/24 02:20	02/05/24 12:16	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/31/24 02:20	02/05/24 12:16	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/31/24 02:20	02/05/24 12:16	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:19	7440-36-0	
Arsenic	0.88 I	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:19	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/31/24 02:20	01/31/24 12:19	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
		Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/12/24 12:38	02/13/24 14:24	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
		Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/01/24 08:41	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/01/24 08:41	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 08:41	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/01/24 08:41	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-46 (60) Lab ID: 35856950013 Collected: 01/30/24 13:07 Received: 01/30/24 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/01/24 08:41	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/01/24 08:41	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/01/24 08:41	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/01/24 08:41	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/01/24 08:41	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/01/24 08:41	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/01/24 08:41	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/01/24 08:41	75-00-3	J(v1),L3
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/01/24 08:41	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/01/24 08:41	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/01/24 08:41	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/01/24 08:41	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/01/24 08:41	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/01/24 08:41	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/01/24 08:41	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/01/24 08:41	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/01/24 08:41	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/01/24 08:41	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/01/24 08:41	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/01/24 08:41	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/01/24 08:41	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/01/24 08:41	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 08:41	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/01/24 08:41	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/01/24 08:41	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/01/24 08:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/01/24 08:41	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/01/24 08:41	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/01/24 08:41	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/01/24 08:41	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/01/24 08:41	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/01/24 08:41	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 08:41	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 08:41	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/01/24 08:41	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/01/24 08:41	75-69-4	J(v1),L3
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/01/24 08:41	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/01/24 08:41	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/01/24 08:41	75-01-4	J(v1)
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/01/24 08:41	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/01/24 08:41	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/01/24 08:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		02/01/24 08:41	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		02/01/24 08:41	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-46 (60)		Lab ID: 35856950013		Collected: 01/30/24 13:07		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		02/01/24 08:41	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	204	mg/L	5.0	5.0	1		02/08/24 16:53		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	337	mg/L	5.0	5.0	1		02/05/24 20:44		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.84	mg/L	0.50	0.20	1		02/13/24 14:13		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	41.7	mg/L	5.0	2.5	1		02/02/24 05:45	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.83	mg/L	0.050	0.035	1		02/06/24 18:23	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.7	mg/L	0.50	0.20	1	02/06/24 04:36	02/06/24 14:23	7727-37-9	J(M1)
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.018 I	mg/L	0.050	0.015	1		01/31/24 12:23		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/31/24 12:23	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	33.8	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	10.2	mg/L	1.0	0.50	1		02/02/24 03:35	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-18 (20)		Lab ID: 35856950014		Collected: 01/30/24 13:49		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method:							
		Pace Analytical Services - Ormond Beach							
Field pH	7.30	Std. Units			1		01/30/24 13:49		
Field Temperature	26.4	deg C			1		01/30/24 13:49		
Field Specific Conductance	480	umhos/cm			1		01/30/24 13:49		
Oxygen, Dissolved	1.24	mg/L			1		01/30/24 13:49	7782-44-7	
Turbidity	0.48	NTU			1		01/30/24 13:49		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
		Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0065 U	ug/L	0.020	0.0065	1	01/31/24 19:48	02/01/24 07:25	96-12-8	
1,2-Dibromoethane (EDB)	0.0076 U	ug/L	0.010	0.0076	1	01/31/24 19:48	02/01/24 07:25	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Barium	19.7	ug/L	10.0	0.84	1	01/31/24 02:20	02/05/24 12:19	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/31/24 02:20	02/05/24 12:19	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/31/24 02:20	02/05/24 12:19	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/31/24 02:20	02/05/24 12:19	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/31/24 02:20	02/05/24 12:19	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/31/24 02:20	02/05/24 12:19	7440-50-8	
Iron	56.4	ug/L	40.0	25.0	1	01/31/24 02:20	02/05/24 12:19	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/31/24 02:20	02/05/24 12:19	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 12:19	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/31/24 02:20	02/05/24 12:19	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 12:19	7440-22-4	
Sodium	21.5	mg/L	2.0	0.54	1	01/31/24 02:20	02/05/24 12:19	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/31/24 02:20	02/05/24 12:19	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/31/24 02:20	02/05/24 12:19	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
		Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:21	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:21	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/31/24 02:20	01/31/24 12:21	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
		Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/12/24 12:38	02/13/24 14:27	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260							
		Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/01/24 09:07	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/01/24 09:07	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 09:07	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/01/24 09:07	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-18 (20) Lab ID: 35856950014 Collected: 01/30/24 13:49 Received: 01/30/24 15:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/01/24 09:07	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/01/24 09:07	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/01/24 09:07	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/01/24 09:07	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/01/24 09:07	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/01/24 09:07	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/01/24 09:07	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/01/24 09:07	75-00-3	J(v1),L3
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/01/24 09:07	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/01/24 09:07	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/01/24 09:07	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/01/24 09:07	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/01/24 09:07	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/01/24 09:07	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/01/24 09:07	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/01/24 09:07	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/01/24 09:07	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/01/24 09:07	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/01/24 09:07	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/01/24 09:07	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/01/24 09:07	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/01/24 09:07	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 09:07	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/01/24 09:07	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/01/24 09:07	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/01/24 09:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/01/24 09:07	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/01/24 09:07	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/01/24 09:07	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/01/24 09:07	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/01/24 09:07	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/01/24 09:07	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 09:07	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 09:07	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/01/24 09:07	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/01/24 09:07	75-69-4	J(v1),L3
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/01/24 09:07	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/01/24 09:07	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/01/24 09:07	75-01-4	J(v1)
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/01/24 09:07	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/01/24 09:07	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/01/24 09:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		02/01/24 09:07	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		02/01/24 09:07	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-18 (20)		Lab ID: 35856950014		Collected: 01/30/24 13:49		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		02/01/24 09:07	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	198	mg/L	5.0	5.0	1		02/08/24 17:16		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	275	mg/L	5.0	5.0	1		02/05/24 22:13		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.77	mg/L	0.50	0.20	1		02/13/24 14:13		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	27.3	mg/L	5.0	2.5	1		02/02/24 06:07	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.75	mg/L	0.050	0.035	1		02/06/24 18:28	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.5	mg/L	0.50	0.20	1	02/06/24 04:36	02/06/24 14:27	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/31/24 12:25		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/31/24 12:25	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	24.1	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	7.3	mg/L	1.0	0.50	1		02/02/24 03:47	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-18 (60)		Lab ID: 35856950015		Collected: 01/30/24 14:17		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	7.20	Std. Units			1		01/30/24 14:17		
Field Temperature	26.2	deg C			1		01/30/24 14:17		
Field Specific Conductance	594	umhos/cm			1		01/30/24 14:17		
Oxygen, Dissolved	1.35	mg/L			1		01/30/24 14:17	7782-44-7	
Turbidity	0.34	NTU			1		01/30/24 14:17		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	01/31/24 19:48	02/01/24 07:50	96-12-8	
1,2-Dibromoethane (EDB)	0.0075 U	ug/L	0.0099	0.0075	1	01/31/24 19:48	02/01/24 07:50	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Barium	20.1	ug/L	10.0	0.84	1	01/31/24 02:20	02/05/24 12:30	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/31/24 02:20	02/05/24 12:30	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/31/24 02:20	02/05/24 12:30	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/31/24 02:20	02/05/24 12:30	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/31/24 02:20	02/05/24 12:30	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/31/24 02:20	02/05/24 12:30	7440-50-8	
Iron	745	ug/L	40.0	25.0	1	01/31/24 02:20	02/05/24 12:30	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/31/24 02:20	02/05/24 12:30	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 12:30	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/31/24 02:20	02/05/24 12:30	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 12:30	7440-22-4	
Sodium	34.7	mg/L	2.0	0.54	1	01/31/24 02:20	02/05/24 12:30	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/31/24 02:20	02/05/24 12:30	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/31/24 02:20	02/05/24 12:30	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:24	7440-36-0	
Arsenic	2.0	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:24	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/31/24 02:20	01/31/24 12:24	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/12/24 12:38	02/13/24 14:29	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/01/24 09:30	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/01/24 09:30	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 09:30	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/01/24 09:30	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-18 (60) Lab ID: 35856950015 Collected: 01/30/24 14:17 Received: 01/30/24 15:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/01/24 09:30	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/01/24 09:30	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/01/24 09:30	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/01/24 09:30	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/01/24 09:30	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/01/24 09:30	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/01/24 09:30	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/01/24 09:30	75-00-3	J(v1),L3
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/01/24 09:30	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/01/24 09:30	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/01/24 09:30	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/01/24 09:30	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/01/24 09:30	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/01/24 09:30	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/01/24 09:30	110-57-6	J(v2)
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/01/24 09:30	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/01/24 09:30	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/01/24 09:30	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/01/24 09:30	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/01/24 09:30	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/01/24 09:30	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/01/24 09:30	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/01/24 09:30	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/01/24 09:30	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/01/24 09:30	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/01/24 09:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/01/24 09:30	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/01/24 09:30	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/01/24 09:30	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/01/24 09:30	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/01/24 09:30	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/01/24 09:30	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 09:30	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/01/24 09:30	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/01/24 09:30	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/01/24 09:30	75-69-4	J(v1),L3
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/01/24 09:30	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/01/24 09:30	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/01/24 09:30	75-01-4	J(v1)
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/01/24 09:30	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/01/24 09:30	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/01/24 09:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		02/01/24 09:30	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		02/01/24 09:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-18 (60)		Lab ID: 35856950015		Collected: 01/30/24 14:17		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		02/01/24 09:30	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	224	mg/L	5.0	5.0	1		02/08/24 17:28		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	335	mg/L	5.0	5.0	1		02/05/24 22:13		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.82	mg/L	0.50	0.20	1		02/13/24 14:13		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	51.6	mg/L	5.0	2.5	1		02/02/24 06:28	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	1.1	mg/L	0.050	0.035	1		02/06/24 18:36	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.9	mg/L	0.50	0.20	1	02/06/24 04:36	02/06/24 14:28	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/31/24 12:27		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/31/24 12:27	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	36.6	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 11:08		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	11.7	mg/L	1.0	0.50	1		02/02/24 03:58	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-18 (60) DUPLICATE Lab ID: 35856950016 Collected: 01/30/24 14:17 Received: 01/30/24 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	7.20	Std. Units			1		01/30/24 14:17		
Field Temperature	26.2	deg C			1		01/30/24 14:17		
Field Specific Conductance	594	umhos/cm			1		01/30/24 14:17		
Oxygen, Dissolved	1.35	mg/L			1		01/30/24 14:17	7782-44-7	
Turbidity	0.34	NTU			1		01/30/24 14:17		
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach							
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	01/31/24 19:48	02/01/24 08:02	96-12-8	
1,2-Dibromoethane (EDB)	0.0078 U	ug/L	0.010	0.0078	1	01/31/24 19:48	02/01/24 08:02	106-93-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Barium	20.3	ug/L	10.0	0.84	1	01/31/24 02:20	02/05/24 12:33	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/31/24 02:20	02/05/24 12:33	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/31/24 02:20	02/05/24 12:33	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/31/24 02:20	02/05/24 12:33	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/31/24 02:20	02/05/24 12:33	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/31/24 02:20	02/05/24 12:33	7440-50-8	
Iron	741	ug/L	40.0	25.0	1	01/31/24 02:20	02/05/24 12:33	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/31/24 02:20	02/05/24 12:33	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 12:33	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/31/24 02:20	02/05/24 12:33	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 12:33	7440-22-4	
Sodium	34.5	mg/L	2.0	0.54	1	01/31/24 02:20	02/05/24 12:33	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/31/24 02:20	02/05/24 12:33	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/31/24 02:20	02/05/24 12:33	7440-66-6	
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Antimony	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:26	7440-36-0	
Arsenic	2.0	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:26	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/31/24 02:20	01/31/24 12:26	7440-28-0	
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach							
Mercury	0.14 U	ug/L	0.20	0.14	1	02/12/24 12:38	02/13/24 14:36	7439-97-6	
8260 MSV									
		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Acetone	8.7 U	ug/L	25.0	8.7	1		02/02/24 16:24	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/02/24 16:24	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/02/24 16:24	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/02/24 16:24	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-18 (60) DUPLICATE Lab ID: 35856950016 Collected: 01/30/24 14:17 Received: 01/30/24 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/02/24 16:24	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/02/24 16:24	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/02/24 16:24	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/02/24 16:24	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/02/24 16:24	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/02/24 16:24	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/02/24 16:24	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/02/24 16:24	75-00-3	J(v1)
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/02/24 16:24	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/02/24 16:24	74-87-3	J(v2)
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/02/24 16:24	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/02/24 16:24	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/02/24 16:24	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/02/24 16:24	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/02/24 16:24	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/02/24 16:24	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/02/24 16:24	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/02/24 16:24	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/02/24 16:24	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/02/24 16:24	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/02/24 16:24	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/02/24 16:24	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/02/24 16:24	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/02/24 16:24	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/02/24 16:24	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/02/24 16:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/02/24 16:24	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/02/24 16:24	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/02/24 16:24	630-20-6	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/02/24 16:24	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/02/24 16:24	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/02/24 16:24	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/02/24 16:24	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/02/24 16:24	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/02/24 16:24	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/02/24 16:24	75-69-4	J(v1)
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/02/24 16:24	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/02/24 16:24	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/02/24 16:24	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/02/24 16:24	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/02/24 16:24	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/02/24 16:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		02/02/24 16:24	460-00-4	
Toluene-d8 (S)	104	%	70-130		1		02/02/24 16:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: NW-18 (60) DUPLICATE		Lab ID: 35856950016		Collected: 01/30/24 14:17		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach							
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		02/02/24 16:24	2199-69-1	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO3	222	mg/L	5.0	5.0	1		02/08/24 17:39		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	326	mg/L	5.0	5.0	1		02/05/24 22:13		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.82	mg/L	0.50	0.20	1		02/13/24 14:13		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	51.6	mg/L	5.0	2.5	1		02/02/24 06:50	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	1.1	mg/L	0.050	0.035	1		02/06/24 18:31	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	1.9	mg/L	0.50	0.20	1	02/06/24 04:36	02/06/24 14:29	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/31/24 12:28		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/31/24 12:28	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	12.5 U	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 10:49		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	11.7	mg/L	1.0	0.50	1		02/02/24 04:10	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: EQ BLANK 013024 Lab ID: 35856950017 Collected: 01/30/24 14:50 Received: 01/30/24 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	01/31/24 19:48	02/01/24 08:15	96-12-8	
1,2-Dibromoethane (EDB)	0.0075 U	ug/L	0.010	0.0075	1	01/31/24 19:48	02/01/24 08:15	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Barium	0.84 U	ug/L	10.0	0.84	1	01/31/24 02:20	02/05/24 12:36	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	01/31/24 02:20	02/05/24 12:36	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	01/31/24 02:20	02/05/24 12:36	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	01/31/24 02:20	02/05/24 12:36	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	01/31/24 02:20	02/05/24 12:36	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	01/31/24 02:20	02/05/24 12:36	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	01/31/24 02:20	02/05/24 12:36	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	01/31/24 02:20	02/05/24 12:36	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 12:36	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	01/31/24 02:20	02/05/24 12:36	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	01/31/24 02:20	02/05/24 12:36	7440-22-4	
Sodium	0.54 U	mg/L	2.0	0.54	1	01/31/24 02:20	02/05/24 12:36	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	01/31/24 02:20	02/05/24 12:36	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	01/31/24 02:20	02/05/24 12:36	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Antimony	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:34	7440-36-0	
Arsenic	0.50 U	ug/L	1.0	0.50	1	01/31/24 02:20	01/31/24 12:34	7440-38-2	
Thallium	0.11 U	ug/L	1.0	0.11	1	01/31/24 02:20	01/31/24 12:34	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Ormond Beach									
Mercury	0.14 U	ug/L	0.20	0.14	1	02/12/24 12:38	02/13/24 14:38	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Acetone	10.9 I	ug/L	25.0	8.7	1		02/02/24 11:42	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/02/24 11:42	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/02/24 11:42	71-43-2	
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/02/24 11:42	74-97-5	
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/02/24 11:42	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/02/24 11:42	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/02/24 11:42	74-83-9	J(v2)
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/02/24 11:42	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/02/24 11:42	75-15-0	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/02/24 11:42	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/02/24 11:42	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/02/24 11:42	75-00-3	J(v1)

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: EQ BLANK 013024 Lab ID: 35856950017 Collected: 01/30/24 14:50 Received: 01/30/24 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/02/24 11:42	67-66-3	J(v2)
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/02/24 11:42	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/02/24 11:42	124-48-1	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/02/24 11:42	74-95-3	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/02/24 11:42	95-50-1	J(v2)
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/02/24 11:42	106-46-7	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/02/24 11:42	110-57-6	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/02/24 11:42	75-34-3	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/02/24 11:42	75-35-4	J(v2)
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/02/24 11:42	156-59-2	
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/02/24 11:42	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/02/24 11:42	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/02/24 11:42	10061-01-5	J(v2)
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/02/24 11:42	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/02/24 11:42	100-41-4	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/02/24 11:42	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/02/24 11:42	74-88-4	J(v2)
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/02/24 11:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/02/24 11:42	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/02/24 11:42	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/02/24 11:42	630-20-6	J(v1)
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/02/24 11:42	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/02/24 11:42	127-18-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/02/24 11:42	108-88-3	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/02/24 11:42	71-55-6	J(v1)
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/02/24 11:42	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/02/24 11:42	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/02/24 11:42	75-69-4	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/02/24 11:42	96-18-4	J(v1)
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/02/24 11:42	108-05-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/02/24 11:42	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/02/24 11:42	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/02/24 11:42	179601-23-1	J(v1)
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/02/24 11:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		02/02/24 11:42	460-00-4	J(v1)
Toluene-d8 (S)	106	%	70-130		1		02/02/24 11:42	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		02/02/24 11:42	2199-69-1	

2320B Alkalinity

Analytical Method: SM 2320B

Pace Analytical Services - Ormond Beach

Alkalinity, Total as CaCO3	5.0 U	mg/L	5.0	5.0	1		02/08/24 17:44

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Sample: EQ BLANK 013024		Lab ID: 35856950017		Collected: 01/30/24 14:50		Received: 01/30/24 15:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	5.0 U	mg/L	5.0	5.0	1		02/05/24 22:13		
Total Organic Nitrogen Calc.		Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach							
Total Organic Nitrogen	0.62	mg/L	0.50	0.20	1		02/13/24 14:13		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	2.5 U	mg/L	5.0	2.5	1		02/02/24 01:06	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		02/06/24 18:33	7664-41-7	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Kjeldahl, Total	0.62	mg/L	0.50	0.20	1	02/06/24 04:36	02/06/24 14:31	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, NO2 plus NO3	0.015 U	mg/L	0.050	0.015	1		01/31/24 12:36		
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		01/31/24 12:36	14797-55-8	
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach							
Chemical Oxygen Demand	12.5 U	mg/L	20.0	12.5	1	01/31/24 11:35	02/01/24 10:49		
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	0.50 U	mg/L	1.0	0.50	1		02/02/24 04:28	7440-44-0	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch:	987442	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856950001

METHOD BLANK: 5430059 Matrix: Water

Associated Lab Samples: 35856950001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.14 U	0.20	0.14	02/08/24 12:55	

LABORATORY CONTROL SAMPLE: 5430060

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: 5430061 5430062

Parameter	Units	35856824001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.14 U	2	2	2.2	2.1	108	103	75-125	5	20	

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

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch: 988251

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856950002

METHOD BLANK: 5434715

Matrix: Water

Associated Lab Samples: 35856950002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.14 U	0.20	0.14	02/12/24 11:02	

LABORATORY CONTROL SAMPLE: 5434716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5434717 5434718

Parameter	Units	35858885001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.14 U	2	2	2.0	2.0	96	98	75-125	1	20	

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

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report
Pace Project No.: 35856950

QC Batch: 988393 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35856950003, 35856950004, 35856950005, 35856950006, 35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015, 35856950016, 35856950017

METHOD BLANK: 5435238 Matrix: Water
Associated Lab Samples: 35856950003, 35856950004, 35856950005, 35856950006, 35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015, 35856950016, 35856950017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.14 U	0.20	0.14	02/13/24 13:16	

LABORATORY CONTROL SAMPLE: 5435239

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.3	114	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5435240 5435241

Parameter	Units	35856950003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.14 U	2	2	2.2	2.2	109	110	75-125	1	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch:	985208	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856950001, 35856950002, 35856950003, 35856950004, 35856950005, 35856950006, 35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015, 35856950016, 35856950017		

METHOD BLANK: 5418461

Matrix: Water

Associated Lab Samples: 35856950001, 35856950002, 35856950003, 35856950004, 35856950005, 35856950006, 35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015, 35856950016, 35856950017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	02/05/24 11:07	
Beryllium	ug/L	0.17 U	4.0	0.17	02/05/24 11:07	
Cadmium	ug/L	0.33 U	1.0	0.33	02/05/24 11:07	
Chromium	ug/L	1.7 U	5.0	1.7	02/05/24 11:07	
Cobalt	ug/L	0.96 U	10.0	0.96	02/05/24 11:07	
Copper	ug/L	2.6 U	5.0	2.6	02/05/24 11:07	
Iron	ug/L	25.0 U	40.0	25.0	02/05/24 11:07	
Lead	ug/L	2.1 U	10.0	2.1	02/05/24 11:07	
Nickel	ug/L	1.0 U	5.0	1.0	02/05/24 11:07	
Selenium	ug/L	3.9 U	15.0	3.9	02/05/24 11:07	
Silver	ug/L	1.0 U	5.0	1.0	02/05/24 11:07	
Sodium	mg/L	0.54 U	2.0	0.54	02/05/24 11:07	
Vanadium	ug/L	1.0 U	10.0	1.0	02/05/24 11:07	
Zinc	ug/L	11.0 U	20.0	11.0	02/05/24 11:07	

LABORATORY CONTROL SAMPLE: 5418462

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	283	113	80-120	
Beryllium	ug/L	25	26.2	105	80-120	
Cadmium	ug/L	25	26.0	104	80-120	
Chromium	ug/L	250	261	105	80-120	
Cobalt	ug/L	250	263	105	80-120	
Copper	ug/L	250	270	108	80-120	
Iron	ug/L	2500	2630	105	80-120	
Lead	ug/L	250	270	108	80-120	
Nickel	ug/L	250	269	107	80-120	
Selenium	ug/L	250	264	106	80-120	
Silver	ug/L	25	25.6	103	80-120	
Sodium	mg/L	12.5	13.3	106	80-120	
Vanadium	ug/L	250	265	106	80-120	
Zinc	ug/L	1250	1300	104	80-120	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5418463 5418464											
Parameter	Units	35856950002	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
		Result	Spike	Spike							
Barium	ug/L	30.4	250	250	301	308	108	111	75-125	2	20
Beryllium	ug/L	0.17 U	25	25	26.6	26.7	106	107	75-125	1	20
Cadmium	ug/L	0.33 U	25	25	25.8	25.9	103	104	75-125	0	20
Chromium	ug/L	1.7 U	250	250	258	263	103	105	75-125	2	20
Cobalt	ug/L	0.96 U	250	250	260	261	104	105	75-125	0	20
Copper	ug/L	2.6 U	250	250	265	270	105	107	75-125	2	20
Iron	ug/L	578	2500	2500	3200	3250	105	107	75-125	1	20
Lead	ug/L	2.1 U	250	250	266	267	106	107	75-125	0	20
Nickel	ug/L	1.0 U	250	250	266	268	106	107	75-125	1	20
Selenium	ug/L	3.9 U	250	250	259	265	103	105	75-125	2	20
Silver	ug/L	1.0 U	25	25	25.0	25.7	100	103	75-125	3	20
Sodium	mg/L	25.9	12.5	12.5	39.5	39.3	109	107	75-125	0	20
Vanadium	ug/L	1.0 U	250	250	264	269	105	108	75-125	2	20
Zinc	ug/L	11.0 U	1250	1250	1280	1290	103	103	75-125	0	20

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch:	985207	Analysis Method:	EPA 6020
QC Batch Method:	EPA 3010	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856950001, 35856950002, 35856950003, 35856950004, 35856950005, 35856950006, 35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015, 35856950016, 35856950017		

METHOD BLANK: 5418454

Matrix: Water

Associated Lab Samples: 35856950001, 35856950002, 35856950003, 35856950004, 35856950005, 35856950006, 35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015, 35856950016, 35856950017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	01/31/24 18:43	
Arsenic	ug/L	0.50 U	1.0	0.50	01/31/24 18:43	
Thallium	ug/L	0.11 U	1.0	0.11	01/31/24 18:43	

LABORATORY CONTROL SAMPLE: 5418455

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	46.4	93	80-120	
Arsenic	ug/L	50	51.2	102	80-120	
Thallium	ug/L	50	50.9	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5418456 5418457

Parameter	Units	35852760002		MS		MSD		MS		MSD		% Rec		Max		Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Conc.	% Rec	Conc.	% Rec	Conc.	Limits	RPD	RPD	RPD	
Antimony	ug/L	0.50 U	50	50	50	51.0	50.1	102	100	75-125	2	20				
Arsenic	ug/L	0.59 I	50	50	50	50.6	50.5	100	100	75-125	0	20				
Thallium	ug/L	0.11 U	50	50	50	47.4	48.6	95	97	75-125	3	20				

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch:	985350	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856950001, 35856950002, 35856950003, 35856950004, 35856950005

METHOD BLANK: 5418852

Matrix: Water

Associated Lab Samples: 35856950001, 35856950002, 35856950003, 35856950004, 35856950005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/31/24 10:44	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/31/24 10:44	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/31/24 10:44	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/31/24 10:44	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/31/24 10:44	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/31/24 10:44	J(v1)
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/31/24 10:44	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/31/24 10:44	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/31/24 10:44	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/31/24 10:44	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	01/31/24 10:44	
2-Hexanone	ug/L	6.6 U	25.0	6.6	01/31/24 10:44	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/31/24 10:44	
Acetone	ug/L	8.7 U	25.0	8.7	01/31/24 10:44	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/31/24 10:44	
Benzene	ug/L	0.30 U	1.0	0.30	01/31/24 10:44	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/31/24 10:44	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/31/24 10:44	
Bromoform	ug/L	0.48 U	3.0	0.48	01/31/24 10:44	
Bromomethane	ug/L	3.9 U	10.0	3.9	01/31/24 10:44	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/31/24 10:44	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/31/24 10:44	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/31/24 10:44	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/31/24 10:44	
Chloroform	ug/L	0.56 U	1.0	0.56	01/31/24 10:44	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/31/24 10:44	
cis-1,2-Dichloroethene	ug/L	0.31 I	1.0	0.27	01/31/24 10:44	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/31/24 10:44	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/31/24 10:44	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/31/24 10:44	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/31/24 10:44	
Iodomethane	ug/L	3.6 U	10.0	3.6	01/31/24 10:44	J(v2)
m&p-Xylene	ug/L	0.75 U	4.0	0.75	01/31/24 10:44	
Methylene Chloride	ug/L	2.0 I	5.0	1.7	01/31/24 10:44	
o-Xylene	ug/L	0.57 U	1.0	0.57	01/31/24 10:44	
Styrene	ug/L	0.26 U	1.0	0.26	01/31/24 10:44	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/31/24 10:44	
Toluene	ug/L	0.33 U	1.0	0.33	01/31/24 10:44	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/31/24 10:44	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/31/24 10:44	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

METHOD BLANK: 5418852

Matrix: Water

Associated Lab Samples: 35856950001, 35856950002, 35856950003, 35856950004, 35856950005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/31/24 10:44	J(v2)
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/31/24 10:44	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	01/31/24 10:44	J(v1)
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/31/24 10:44	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/31/24 10:44	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/31/24 10:44	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130		01/31/24 10:44	
4-Bromofluorobenzene (S)	%	102	70-130		01/31/24 10:44	
Toluene-d8 (S)	%	102	70-130		01/31/24 10:44	

LABORATORY CONTROL SAMPLE: 5418853

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.4	97	70-130	
1,1,1-Trichloroethane	ug/L	20	20.2	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.9	89	68-125	
1,1,2-Trichloroethane	ug/L	20	18.4	92	70-130	
1,1-Dichloroethane	ug/L	20	19.2	96	70-130	
1,1-Dichloroethene	ug/L	20	24.2	121	66-133	J(v1)
1,2,3-Trichloropropane	ug/L	20	17.9	89	62-127	
1,2-Dichlorobenzene	ug/L	20	18.4	92	70-130	
1,2-Dichloropropane	ug/L	20	17.5	87	70-130	
1,4-Dichlorobenzene	ug/L	20	19.0	95	70-130	
2-Butanone (MEK)	ug/L	100	82.9	83	47-143	
2-Hexanone	ug/L	100	87.4	87	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	84.4	84	57-132	
Acetone	ug/L	100	81.8	82	46-148	
Acrylonitrile	ug/L	100	88.2	88	60-143	
Benzene	ug/L	20	17.8	89	70-130	
Bromochloromethane	ug/L	20	18.7	93	70-130	
Bromodichloromethane	ug/L	20	19.9	99	70-130	
Bromoform	ug/L	20	18.1	91	49-126	
Bromomethane	ug/L	20	7.8 I	39	10-165	J(v2)
Carbon disulfide	ug/L	20	22.5	113	60-141	
Carbon tetrachloride	ug/L	20	20.0	100	63-126	
Chlorobenzene	ug/L	20	19.4	97	70-130	
Chloroethane	ug/L	20	23.6	118	71-142	
Chloroform	ug/L	20	19.0	95	70-130	
Chloromethane	ug/L	20	20.1	101	40-140	
cis-1,2-Dichloroethene	ug/L	20	20.0	100	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.9	89	70-130	
Dibromochloromethane	ug/L	20	19.2	96	62-118	
Dibromomethane	ug/L	20	19.1	95	70-130	
Ethylbenzene	ug/L	20	19.6	98	70-130	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

LABORATORY CONTROL SAMPLE: 5418853

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	5.3 I	27	10-164	J(v2)
m&p-Xylene	ug/L	40	40.7	102	70-130	
Methylene Chloride	ug/L	20	19.6	98	65-136	
o-Xylene	ug/L	20	19.2	96	70-130	
Styrene	ug/L	20	19.3	96	70-130	
Tetrachloroethene	ug/L	20	19.5	98	64-134	
Toluene	ug/L	20	18.7	93	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.0	95	68-127	
trans-1,3-Dichloropropene	ug/L	20	18.6	93	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	14.3	72	42-129	J(v3)
Trichloroethene	ug/L	20	20.2	101	70-130	
Trichlorofluoromethane	ug/L	20	26.1	130	65-135	J(v1)
Vinyl acetate	ug/L	20	17.9	89	60-144	
Vinyl chloride	ug/L	20	17.9	89	68-131	
Xylene (Total)	ug/L	60	59.9	100	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 5418861

Parameter	Units	35856950002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	19.0	95	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	20.1	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	17.2	86	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	17.7	88	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	21.9	110	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	24.4	122	66-133	J(v1)
1,2,3-Trichloropropane	ug/L	0.53 U	20	17.0	85	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.5	87	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	17.8	89	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	17.3	86	70-130	
2-Butanone (MEK)	ug/L	6.7 U	100	83.6	84	47-143	
2-Hexanone	ug/L	6.6 U	100	81.7	82	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	77.3	77	57-132	
Acetone	ug/L	8.7 U	100	97.7	94	46-148	
Acrylonitrile	ug/L	3.7 U	100	95.1	95	60-143	
Benzene	ug/L	0.30 U	20	18.3	91	70-130	
Bromochloromethane	ug/L	0.37 U	20	17.8	89	70-130	
Bromodichloromethane	ug/L	0.19 U	20	19.6	98	70-130	
Bromoform	ug/L	0.48 U	20	17.8	89	49-126	
Bromomethane	ug/L	3.9 U	20	5.9 I	29	10-165	J(v2)
Carbon disulfide	ug/L	1.8 U	20	22.5	112	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	19.5	98	63-126	
Chlorobenzene	ug/L	0.35 U	20	18.6	93	70-130	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

MATRIX SPIKE SAMPLE: 5418861		35856950002	Spike	MS	MS	% Rec	Qualifiers
Parameter	Units	Result	Conc.	Result	% Rec	Limits	
Chloroethane	ug/L	3.7 U	20	28.1	141	71-142	
Chloroform	ug/L	0.56 U	20	19.6	98	70-130	
Chloromethane	ug/L	0.43 U	20	20.9	104	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	18.5	92	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	16.9	84	70-130	
Dibromochloromethane	ug/L	0.45 U	20	18.6	93	62-118	
Dibromomethane	ug/L	0.68 U	20	18.1	90	70-130	
Ethylbenzene	ug/L	0.30 U	20	18.2	91	70-130	
Iodomethane	ug/L	3.6 U	20	5.2 I	25	10-164 J(v2)	
m&p-Xylene	ug/L	0.75 U	40	37.5	94	70-130	
Methylene Chloride	ug/L	1.7 U	20	20.9	104	65-136	
o-Xylene	ug/L	0.57 U	20	18.3	91	70-130	
Styrene	ug/L	0.26 U	20	18.3	91	70-130	
Tetrachloroethene	ug/L	0.38 U	20	17.0	85	64-134	
Toluene	ug/L	0.33 U	20	17.7	89	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	20.0	100	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	16.9	85	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	13.7	69	42-129 J(v3)	
Trichloroethene	ug/L	0.36 U	20	18.5	93	70-130	
Trichlorofluoromethane	ug/L	0.72 U	20	32.4	162	65-135 J(M1),J(v1)	
Vinyl acetate	ug/L	1.8 U	20	15.3	77	60-144	
Vinyl chloride	ug/L	0.39 U	20	20.3	101	68-131	
Xylene (Total)	ug/L	2.1 U	60	55.8	93	70-130	
1,2-Dichlorobenzene-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 5418860

Parameter	Units	35856950001	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40 J(v1)	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.7 U	6.7 U		40	
2-Hexanone	ug/L	6.6 U	6.6 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	8.7 U	8.7 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

SAMPLE DUPLICATE: 5418860

Parameter	Units	35856950001 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	J(v2)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	3.6 U	3.6 U		40	J(v2)
m&p-Xylene	ug/L	0.75 U	0.75 U		40	
Methylene Chloride	ug/L	1.7 U	1.7 U		40	
o-Xylene	ug/L	0.57 U	0.57 U		40	
Styrene	ug/L	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	J(v2)
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.72 U	0.72 U		40	J(v1)
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	104	101		40	
4-Bromofluorobenzene (S)	%	102	101		40	
Toluene-d8 (S)	%	102	101		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch:	985536	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856950006, 35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015		

METHOD BLANK: 5420018

Matrix: Water

Associated Lab Samples: 35856950006, 35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	02/01/24 00:04	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	02/01/24 00:04	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	02/01/24 00:04	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	02/01/24 00:04	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	02/01/24 00:04	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	02/01/24 00:04	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	02/01/24 00:04	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	02/01/24 00:04	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	02/01/24 00:04	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	02/01/24 00:04	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	02/01/24 00:04	
2-Hexanone	ug/L	6.6 U	25.0	6.6	02/01/24 00:04	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	02/01/24 00:04	
Acetone	ug/L	8.7 U	25.0	8.7	02/01/24 00:04	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	02/01/24 00:04	
Benzene	ug/L	0.30 U	1.0	0.30	02/01/24 00:04	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	02/01/24 00:04	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	02/01/24 00:04	
Bromoform	ug/L	0.48 U	3.0	0.48	02/01/24 00:04	
Bromomethane	ug/L	3.9 U	10.0	3.9	02/01/24 00:04	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	02/01/24 00:04	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	02/01/24 00:04	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	02/01/24 00:04	
Chloroethane	ug/L	3.7 U	10.0	3.7	02/01/24 00:04	J(v1)
Chloroform	ug/L	0.56 U	1.0	0.56	02/01/24 00:04	
Chloromethane	ug/L	0.43 U	1.0	0.43	02/01/24 00:04	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	02/01/24 00:04	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	02/01/24 00:04	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	02/01/24 00:04	
Dibromomethane	ug/L	0.68 U	2.0	0.68	02/01/24 00:04	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	02/01/24 00:04	
Iodomethane	ug/L	3.6 U	10.0	3.6	02/01/24 00:04	J(v2)
m&p-Xylene	ug/L	0.75 U	4.0	0.75	02/01/24 00:04	
Methylene Chloride	ug/L	2.0 I	5.0	1.7	02/01/24 00:04	
o-Xylene	ug/L	0.57 U	1.0	0.57	02/01/24 00:04	
Styrene	ug/L	0.26 U	1.0	0.26	02/01/24 00:04	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	02/01/24 00:04	
Toluene	ug/L	0.33 U	1.0	0.33	02/01/24 00:04	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	02/01/24 00:04	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

METHOD BLANK: 5420018

Matrix: Water

Associated Lab Samples: 35856950006, 35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	02/01/24 00:04	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	02/01/24 00:04	J(v2)
Trichloroethene	ug/L	0.36 U	1.0	0.36	02/01/24 00:04	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	02/01/24 00:04	J(v1)
Vinyl acetate	ug/L	1.8 U	10.0	1.8	02/01/24 00:04	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	02/01/24 00:04	J(v1)
Xylene (Total)	ug/L	2.1 U	5.0	2.1	02/01/24 00:04	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130		02/01/24 00:04	
4-Bromofluorobenzene (S)	%	100	70-130		02/01/24 00:04	
Toluene-d8 (S)	%	100	70-130		02/01/24 00:04	

LABORATORY CONTROL SAMPLE: 5420019

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	20.0	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.5	93	68-125	
1,1,2-Trichloroethane	ug/L	20	19.2	96	70-130	
1,1-Dichloroethane	ug/L	20	19.3	96	70-130	
1,1-Dichloroethene	ug/L	20	21.6	108	66-133	
1,2,3-Trichloropropane	ug/L	20	19.6	98	62-127	
1,2-Dichlorobenzene	ug/L	20	19.1	96	70-130	
1,2-Dichloropropane	ug/L	20	19.0	95	70-130	
1,4-Dichlorobenzene	ug/L	20	19.6	98	70-130	
2-Butanone (MEK)	ug/L	100	101	101	47-143	
2-Hexanone	ug/L	100	99.1	99	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	94.5	95	57-132	
Acetone	ug/L	100	105	105	46-148	
Acrylonitrile	ug/L	100	95.8	96	60-143	
Benzene	ug/L	20	18.6	93	70-130	
Bromochloromethane	ug/L	20	18.7	93	70-130	
Bromodichloromethane	ug/L	20	19.6	98	70-130	
Bromoform	ug/L	20	20.1	100	49-126	
Bromomethane	ug/L	20	6.7 I	34	10-165	J(v3)
Carbon disulfide	ug/L	20	22.0	110	60-141	
Carbon tetrachloride	ug/L	20	19.6	98	63-126	
Chlorobenzene	ug/L	20	19.4	97	70-130	
Chloroethane	ug/L	20	28.7	143	71-142	J(L1),J(v1)
Chloroform	ug/L	20	19.3	97	70-130	
Chloromethane	ug/L	20	22.2	111	40-140	
cis-1,2-Dichloroethene	ug/L	20	19.4	97	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.7	94	70-130	
Dibromochloromethane	ug/L	20	19.9	100	62-118	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

LABORATORY CONTROL SAMPLE: 5420019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromomethane	ug/L	20	19.6	98	70-130	
Ethylbenzene	ug/L	20	19.7	98	70-130	
Iodomethane	ug/L	20	5.7 I	28	10-164	
m&p-Xylene	ug/L	40	40.0	100	70-130	
Methylene Chloride	ug/L	20	20.3	101	65-136	
o-Xylene	ug/L	20	19.5	97	70-130	
Styrene	ug/L	20	19.9	100	70-130	
Tetrachloroethene	ug/L	20	19.0	95	64-134	
Toluene	ug/L	20	18.9	94	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.9	90	68-127	
trans-1,3-Dichloropropene	ug/L	20	18.8	94	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	15.8	79	42-129 J(v3)	
Trichloroethene	ug/L	20	19.6	98	70-130	
Trichlorofluoromethane	ug/L	20	28.6	143	65-135 J(v1),L3	
Vinyl acetate	ug/L	20	18.8	94	60-144	
Vinyl chloride	ug/L	20	25.9	130	68-131 J(v1)	
Xylene (Total)	ug/L	60	59.4	99	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 5420021

Parameter	Units	35856950008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	20.0	100	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	21.8	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	19.3	97	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	19.9	100	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	20.9	104	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	23.2	116	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	18.7	93	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.0	85	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	19.6	98	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	16.8	84	70-130	
2-Butanone (MEK)	ug/L	6.7 U	100	105	105	47-143	
2-Hexanone	ug/L	6.6 U	100	99.6	100	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	97.5	97	57-132	
Acetone	ug/L	8.7 U	100	113	113	46-148	
Acrylonitrile	ug/L	3.7 U	100	97.0	97	60-143	
Benzene	ug/L	0.30 U	20	20.3	102	70-130	
Bromochloromethane	ug/L	0.37 U	20	19.0	95	70-130	
Bromodichloromethane	ug/L	0.19 U	20	21.3	106	70-130	
Bromoform	ug/L	0.48 U	20	18.8	94	49-126	
Bromomethane	ug/L	3.9 U	20	4.0 I	20	10-165 J(v3)	
Carbon disulfide	ug/L	1.8 U	20	20.7	104	60-141	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

MATRIX SPIKE SAMPLE: 5420021		35856950008	Spike	MS	MS	% Rec	Qualifiers
Parameter	Units	Result	Conc.	Result	% Rec	Limits	
Carbon tetrachloride	ug/L	0.44 U	20	20.6	103	63-126	
Chlorobenzene	ug/L	0.35 U	20	19.4	97	70-130	
Chloroethane	ug/L	3.7 U	20	28.5	143	71-142	J(M0),J(v1)
Chloroform	ug/L	0.56 U	20	20.8	104	70-130	
Chloromethane	ug/L	0.43 U	20	21.4	107	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	20.6	103	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	18.5	93	70-130	
Dibromochloromethane	ug/L	0.45 U	20	20.2	101	62-118	
Dibromomethane	ug/L	0.68 U	20	19.8	99	70-130	
Ethylbenzene	ug/L	0.30 U	20	18.7	94	70-130	
Iodomethane	ug/L	3.6 U	20	7.2 I	36	10-164	J(v3)
m&p-Xylene	ug/L	0.75 U	40	38.3	96	70-130	
Methylene Chloride	ug/L	1.7 U	20	19.7	99	65-136	
o-Xylene	ug/L	0.57 U	20	19.1	96	70-130	
Styrene	ug/L	0.26 U	20	19.0	95	70-130	
Tetrachloroethene	ug/L	0.38 U	20	16.7	83	64-134	
Toluene	ug/L	0.33 U	20	19.3	97	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	19.4	97	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	19.3	97	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	13.7	69	42-129	J(v3)
Trichloroethene	ug/L	0.36 U	20	18.9	94	70-130	
Trichlorofluoromethane	ug/L	0.72 U	20	29.2	146	65-135	J(M0),J(v1)
Vinyl acetate	ug/L	1.8 U	20	17.3	87	60-144	
Vinyl chloride	ug/L	0.39 U	20	22.4	112	68-131	J(v1)
Xylene (Total)	ug/L	2.1 U	60	57.4	96	70-130	
1,2-Dichlorobenzene-d4 (S)	%				102	70-130	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 5420020

Parameter	Units	35856950006	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.7 U	6.7 U		40	
2-Hexanone	ug/L	6.6 U	6.6 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

SAMPLE DUPLICATE: 5420020

Parameter	Units	35856950006 Result	Dup Result	RPD	Max RPD	Qualifiers
Acetone	ug/L	8.7 U	8.7 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	J(v2)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	J(v1)
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	3.6 U	3.6 U		40	J(v2)
m&p-Xylene	ug/L	0.75 U	0.75 U		40	
Methylene Chloride	ug/L	1.7 U	1.7 U		40	
o-Xylene	ug/L	0.57 U	0.57 U		40	
Styrene	ug/L	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	J(v2)
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.72 U	0.72 U		40	J(v1)
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	J(v1)
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	101	103		40	
4-Bromofluorobenzene (S)	%	100	99		40	
Toluene-d8 (S)	%	103	104		40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch: 986006

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856950016, 35856950017

METHOD BLANK: 5422271

Matrix: Water

Associated Lab Samples: 35856950016, 35856950017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	02/02/24 10:31	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	02/02/24 10:31	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	02/02/24 10:31	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	02/02/24 10:31	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	02/02/24 10:31	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	02/02/24 10:31	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	02/02/24 10:31	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	02/02/24 10:31	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	02/02/24 10:31	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	02/02/24 10:31	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	02/02/24 10:31	
2-Hexanone	ug/L	6.6 U	25.0	6.6	02/02/24 10:31	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	02/02/24 10:31	
Acetone	ug/L	8.7 U	25.0	8.7	02/02/24 10:31	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	02/02/24 10:31	
Benzene	ug/L	0.30 U	1.0	0.30	02/02/24 10:31	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	02/02/24 10:31	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	02/02/24 10:31	
Bromoform	ug/L	0.48 U	3.0	0.48	02/02/24 10:31	
Bromomethane	ug/L	3.9 U	10.0	3.9	02/02/24 10:31	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	02/02/24 10:31	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	02/02/24 10:31	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	02/02/24 10:31	
Chloroethane	ug/L	3.7 U	10.0	3.7	02/02/24 10:31	J(v1)
Chloroform	ug/L	0.56 U	1.0	0.56	02/02/24 10:31	
Chloromethane	ug/L	0.43 U	1.0	0.43	02/02/24 10:31	J(v2)
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	02/02/24 10:31	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	02/02/24 10:31	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	02/02/24 10:31	
Dibromomethane	ug/L	0.68 U	2.0	0.68	02/02/24 10:31	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	02/02/24 10:31	
Iodomethane	ug/L	3.6 U	10.0	3.6	02/02/24 10:31	J(v2)
m&p-Xylene	ug/L	0.75 U	4.0	0.75	02/02/24 10:31	
Methylene Chloride	ug/L	1.7 U	5.0	1.7	02/02/24 10:31	
o-Xylene	ug/L	0.57 U	1.0	0.57	02/02/24 10:31	
Styrene	ug/L	0.26 U	1.0	0.26	02/02/24 10:31	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	02/02/24 10:31	
Toluene	ug/L	0.33 U	1.0	0.33	02/02/24 10:31	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	02/02/24 10:31	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	02/02/24 10:31	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report
Pace Project No.: 35856950

METHOD BLANK: 5422271 Matrix: Water

Associated Lab Samples: 35856950016, 35856950017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	02/02/24 10:31	
Trichloroethene	ug/L	0.36 U	1.0	0.36	02/02/24 10:31	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	02/02/24 10:31	J(v1)
Vinyl acetate	ug/L	1.8 U	10.0	1.8	02/02/24 10:31	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	02/02/24 10:31	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	02/02/24 10:31	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130		02/02/24 10:31	
4-Bromofluorobenzene (S)	%	97	70-130		02/02/24 10:31	
Toluene-d8 (S)	%	104	70-130		02/02/24 10:31	

LABORATORY CONTROL SAMPLE: 5422272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.8	89	70-130	
1,1,1-Trichloroethane	ug/L	20	19.5	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.5	92	68-125	
1,1,2-Trichloroethane	ug/L	20	17.7	88	70-130	
1,1-Dichloroethane	ug/L	20	19.1	96	70-130	
1,1-Dichloroethene	ug/L	20	20.5	103	66-133	
1,2,3-Trichloropropane	ug/L	20	19.2	96	62-127	
1,2-Dichlorobenzene	ug/L	20	17.4	87	70-130	
1,2-Dichloropropane	ug/L	20	18.7	93	70-130	
1,4-Dichlorobenzene	ug/L	20	17.8	89	70-130	
2-Butanone (MEK)	ug/L	100	92.8	93	47-143	
2-Hexanone	ug/L	100	88.6	89	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	83.8	84	57-132	
Acetone	ug/L	100	94.3	94	46-148	
Acrylonitrile	ug/L	100	88.4	88	60-143	
Benzene	ug/L	20	18.8	94	70-130	
Bromochloromethane	ug/L	20	18.3	92	70-130	
Bromodichloromethane	ug/L	20	20.8	104	70-130	
Bromoform	ug/L	20	19.1	96	49-126	
Bromomethane	ug/L	20	7.2 I	36	10-165 J(v3)	
Carbon disulfide	ug/L	20	23.8	119	60-141	
Carbon tetrachloride	ug/L	20	18.3	91	63-126	
Chlorobenzene	ug/L	20	18.1	91	70-130	
Chloroethane	ug/L	20	24.3	121	71-142 J(v1)	
Chloroform	ug/L	20	18.5	92	70-130	
Chloromethane	ug/L	20	15.4	77	40-140 J(v3)	
cis-1,2-Dichloroethene	ug/L	20	18.9	95	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.0	95	70-130	
Dibromochloromethane	ug/L	20	18.9	94	62-118	
Dibromomethane	ug/L	20	18.7	93	70-130	
Ethylbenzene	ug/L	20	18.5	93	70-130	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

LABORATORY CONTROL SAMPLE: 5422272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	3.6 U	11	10-164	J(v3)
m&p-Xylene	ug/L	40	37.6	94	70-130	
Methylene Chloride	ug/L	20	20.5	102	65-136	
o-Xylene	ug/L	20	18.3	91	70-130	
Styrene	ug/L	20	18.7	94	70-130	
Tetrachloroethene	ug/L	20	17.7	88	64-134	
Toluene	ug/L	20	18.2	91	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.8	94	68-127	
trans-1,3-Dichloropropene	ug/L	20	18.6	93	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	17.6	88	42-129	
Trichloroethene	ug/L	20	18.6	93	70-130	
Trichlorofluoromethane	ug/L	20	24.2	121	65-135	J(v1)
Vinyl acetate	ug/L	20	18.4	92	60-144	
Vinyl chloride	ug/L	20	22.7	113	68-131	
Xylene (Total)	ug/L	60	55.9	93	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE SAMPLE: 5422283

Parameter	Units	35857533002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	18.5	92	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	21.5	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	18.5	93	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	17.3	86	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	19.9	100	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	24.8	124	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	19.6	98	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.3	87	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	17.2	86	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	18.1	90	70-130	
2-Butanone (MEK)	ug/L	6.7 U	100	71.4	71	47-143	
2-Hexanone	ug/L	6.6 U	100	67.7	68	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	65.2	65	57-132	
Acetone	ug/L	8.7 U	100	79.4	79	46-148	
Acrylonitrile	ug/L	3.7 U	100	78.9	79	60-143	
Benzene	ug/L	0.30 U	20	18.8	94	70-130	
Bromochloromethane	ug/L	0.37 U	20	16.7	84	70-130	
Bromodichloromethane	ug/L	0.19 U	20	20.2	101	70-130	
Bromoform	ug/L	0.48 U	20	18.0	90	49-126	
Bromomethane	ug/L	3.9 U	20	6.6 I	33	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	24.9	124	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	21.8	109	63-126	
Chlorobenzene	ug/L	0.35 U	20	18.4	92	70-130	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

MATRIX SPIKE SAMPLE: 5422283		35857533002	Spike	MS	MS	% Rec	Qualifiers
Parameter	Units	Result	Conc.	Result	% Rec	Limits	
Chloroethane	ug/L	3.7 U	20	34.0	170	71-142	J(M1),J(v1)
Chloroform	ug/L	0.56 U	20	19.6	98	70-130	
Chloromethane	ug/L	0.43 U	20	21.2	106	40-140	J(v3)
cis-1,2-Dichloroethene	ug/L	0.27 U	20	19.1	95	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	17.6	88	70-130	
Dibromochloromethane	ug/L	0.45 U	20	18.1	90	62-118	
Dibromomethane	ug/L	0.68 U	20	17.9	89	70-130	
Ethylbenzene	ug/L	0.30 U	20	18.8	94	70-130	
Iodomethane	ug/L	3.6 U	20	5.7 I	29	10-164	J(v3)
m&p-Xylene	ug/L	0.75 U	40	38.3	96	70-130	
Methylene Chloride	ug/L	1.7 U	20	18.5	92	65-136	
o-Xylene	ug/L	0.57 U	20	18.6	93	70-130	
Styrene	ug/L	0.26 U	20	18.1	91	70-130	
Tetrachloroethene	ug/L	0.38 U	20	17.5	88	64-134	
Toluene	ug/L	0.33 U	20	18.1	91	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	19.8	99	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	17.0	85	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	13.1	66	42-129	
Trichloroethene	ug/L	0.36 U	20	18.8	94	70-130	
Trichlorofluoromethane	ug/L	0.72 U	20	34.1	170	65-135	J(M1),J(v1)
Vinyl acetate	ug/L	1.8 U	20	15.5	78	60-144	
Vinyl chloride	ug/L	0.39 U	20	26.7	133	68-131	J(M1)
Xylene (Total)	ug/L	2.1 U	60	56.9	95	70-130	
1,2-Dichlorobenzene-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 5422282

Parameter	Units	35857533001	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		40	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		40	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	6.7 U	6.7 U		40	
2-Hexanone	ug/L	6.6 U	6.6 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	8.7 U	8.7 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

SAMPLE DUPLICATE: 5422282

Parameter	Units	35857533001 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	3.9 U	3.9 U		40	J(v2)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	0.35 U	0.35 U		40	
Chloroethane	ug/L	3.7 U	3.7 U		40	J(v1)
Chloroform	ug/L	0.56 U	0.56 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	J(v2)
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		40	
Dibromochloromethane	ug/L	0.45 U	0.45 U		40	
Dibromomethane	ug/L	0.68 U	0.68 U		40	
Ethylbenzene	ug/L	0.30 U	0.30 U		40	
Iodomethane	ug/L	3.6 U	3.6 U		40	J(v2)
m&p-Xylene	ug/L	0.75 U	0.75 U		40	
Methylene Chloride	ug/L	1.7 U	1.7 U		40	
o-Xylene	ug/L	0.57 U	0.57 U		40	
Styrene	ug/L	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	
Trichloroethene	ug/L	0.36 U	0.36 U		40	
Trichlorofluoromethane	ug/L	0.72 U	0.72 U		40	J(v1)
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	99	99		40	
4-Bromofluorobenzene (S)	%	96	93		40	
Toluene-d8 (S)	%	106	105		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch:	985491	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856950001, 35856950002, 35856950003, 35856950004, 35856950005, 35856950006, 35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015, 35856950016, 35856950017		

METHOD BLANK: 5419711

Matrix: Water

Associated Lab Samples: 35856950001, 35856950002, 35856950003, 35856950004, 35856950005, 35856950006, 35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015, 35856950016, 35856950017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	02/01/24 03:18	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	02/01/24 03:18	

LABORATORY CONTROL SAMPLE: 5419712

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.26	105	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.26	104	60-140	

MATRIX SPIKE SAMPLE: 5419713

Parameter	Units	35856950001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0066 U	0.25	0.26	102	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0077 U	0.25	0.26	105	60-140	

SAMPLE DUPLICATE: 5419714

Parameter	Units	35856950002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0065 U	0.0064 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0076 U	0.0075 U		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch:	986795	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856950001, 35856950002, 35856950003, 35856950004, 35856950005, 35856950006

METHOD BLANK: 5425978 Matrix: Water

Associated Lab Samples: 35856950001, 35856950002, 35856950003, 35856950004, 35856950005, 35856950006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	5.0 U	5.0	5.0	02/06/24 12:24	

LABORATORY CONTROL SAMPLE: 5425979

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	250	237	95	90-110	

SAMPLE DUPLICATE: 5425980

Parameter	Units	35858059001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	921	919	0	20	

SAMPLE DUPLICATE: 5425981

Parameter	Units	35857537005 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	550	560	2	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report
Pace Project No.: 35856950

QC Batch:	987540	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015, 35856950016, 35856950017

METHOD BLANK: 5430595 Matrix: Water

Associated Lab Samples: 35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015, 35856950016, 35856950017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	5.0 U	5.0	5.0	02/08/24 14:07	

LABORATORY CONTROL SAMPLE: 5430596

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	250	235	94	90-110	

SAMPLE DUPLICATE: 5430597

Parameter	Units	35858373001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	60.3	62.2	3	20	

SAMPLE DUPLICATE: 5430598

Parameter	Units	35856950013 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	204	201	1	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch:	986521	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856950001		

METHOD BLANK: 5424844 Matrix: Water

Associated Lab Samples: 35856950001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/05/24 13:14	

LABORATORY CONTROL SAMPLE: 5424845

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

SAMPLE DUPLICATE: 5424846

Parameter	Units	35856800001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	128	137	7	10	

SAMPLE DUPLICATE: 5424847

Parameter	Units	35856809001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	116	169	37	10	J(D6)

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch:	986581	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856950002, 35856950003, 35856950004, 35856950005, 35856950006

METHOD BLANK: 5425055 Matrix: Water
Associated Lab Samples: 35856950002, 35856950003, 35856950004, 35856950005, 35856950006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/05/24 16:34	

LABORATORY CONTROL SAMPLE: 5425056

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	315	105	90-110	

SAMPLE DUPLICATE: 5425057

Parameter	Units	35857054004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	290	253	14	10	J(D6)

SAMPLE DUPLICATE: 5425058

Parameter	Units	35857279005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1730	1680	3	10	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch:	986582	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856950007, 35856950008, 35856950009		

METHOD BLANK: 5425065 Matrix: Water

Associated Lab Samples: 35856950007, 35856950008, 35856950009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/05/24 18:07	

LABORATORY CONTROL SAMPLE: 5425066

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	306	102	90-110	

SAMPLE DUPLICATE: 5425067

Parameter	Units	35856977003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	68.0	68.0	0	10	

SAMPLE DUPLICATE: 5425068

Parameter	Units	35857062001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	17.0	34.0	67	10	J(D6)

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch:	986621	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856950010, 35856950011, 35856950012, 35856950013

METHOD BLANK: 5425361 Matrix: Water
Associated Lab Samples: 35856950010, 35856950011, 35856950012, 35856950013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/05/24 20:44	

LABORATORY CONTROL SAMPLE: 5425362

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	285	95	90-110	

SAMPLE DUPLICATE: 5425363

Parameter	Units	35856977004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	34.0	40.0	16	10	J(D6)

SAMPLE DUPLICATE: 5425364

Parameter	Units	35857279008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	386	408	6	10	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch: 986623

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856950014, 35856950015, 35856950016, 35856950017

METHOD BLANK: 5425368

Matrix: Water

Associated Lab Samples: 35856950014, 35856950015, 35856950016, 35856950017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	6.0	5.0	5.0	02/05/24 22:13	

LABORATORY CONTROL SAMPLE: 5425369

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

SAMPLE DUPLICATE: 5425370

Parameter	Units	35857062013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	55.0	68.0	21	10	J(D6)

SAMPLE DUPLICATE: 5425371

Parameter	Units	35857279011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	394	364	8	10	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch:	985407	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856950001, 35856950002, 35856950003, 35856950004, 35856950005

METHOD BLANK: 5419246

Matrix: Water

Associated Lab Samples: 35856950001, 35856950002, 35856950003, 35856950004, 35856950005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	02/01/24 02:12	

LABORATORY CONTROL SAMPLE: 5419247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.1	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5421637 5421638

Parameter	Units	35856824001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.7 I	50	50	53.1	53.8	97	98	90-110	1	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report
Pace Project No.: 35856950

QC Batch:	985770	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856950017

METHOD BLANK: 5421049 Matrix: Water
Associated Lab Samples: 35856950017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	02/01/24 15:35	

LABORATORY CONTROL SAMPLE: 5421050

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.2	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5422497 5422498

Parameter	Units	35857054003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	58.7	50	50	115	115	113	112	90-110	1	20	J(M1), L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5422504 5422505

Parameter	Units	35857054004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	60.6	50	50	118	117	115	113	90-110	1	20	J(M1), L

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch:	985776	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015, 35856950016		

METHOD BLANK:	5421082	Matrix:	Water
Associated Lab Samples:	35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015, 35856950016		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	02/02/24 02:11	

LABORATORY CONTROL SAMPLE:	5421083					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.1	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	5422395			5422396								
Parameter	Units	35856950007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	32.2	50	50	87.5	88.2	111	112	90-110	1	20	J(M1)

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report
Pace Project No.: 35856950

QC Batch:	986835	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856950006

METHOD BLANK: 5426227 Matrix: Water
Associated Lab Samples: 35856950006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	02/06/24 15:29	

LABORATORY CONTROL SAMPLE: 5426228

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5428163 5428164

Parameter	Units	35857243009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	51.8	50	50	106	106	108	108	90-110	0	20 L	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5428167 5428168

Parameter	Units	35857960001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	102	100	100	199	207	104	111	90-110	4	20 L	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch:	986574	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856950001, 35856950002, 35856950003, 35856950004, 35856950005, 35856950006, 35856950007, 35856950008, 35856950009, 35856950010, 35856950011		

METHOD BLANK:	5425010	Matrix:	Water
Associated Lab Samples:	35856950001, 35856950002, 35856950003, 35856950004, 35856950005, 35856950006, 35856950007, 35856950008, 35856950009, 35856950010, 35856950011		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	02/05/24 18:23	

LABORATORY CONTROL SAMPLE: 5425011						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			5425013		5425012							
Parameter	Units	92710859001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	1	1	1.1	1.1	108	111	90-110	2	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:					5425014								5425015			
Parameter	Units	35856950002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual				
Nitrogen, Ammonia	mg/L	3.1	1	1	4.2	4.1	105	101	90-110	1	20					

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report
Pace Project No.: 35856950

QC Batch: 986913 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35856950012, 35856950013, 35856950014, 35856950015, 35856950016, 35856950017

METHOD BLANK: 5427016 Matrix: Water
Associated Lab Samples: 35856950012, 35856950013, 35856950014, 35856950015, 35856950016, 35856950017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	02/06/24 18:09	

LABORATORY CONTROL SAMPLE: 5427017

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5427019 5427018

Parameter	Units	35856125001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	24.0	5	5	29.4	29.1	108	102	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5427020 5427021

Parameter	Units	35856977001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	1.1	1.1	106	108	90-110	1	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report
Pace Project No.: 35856950

QC Batch:	986423	Analysis Method:	EPA 351.2
QC Batch Method:	EPA 351.2	Analysis Description:	351.2 TKN
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856950013, 35856950014, 35856950015, 35856950016, 35856950017

METHOD BLANK: 5424545 Matrix: Water
Associated Lab Samples: 35856950013, 35856950014, 35856950015, 35856950016, 35856950017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.20 U	0.50	0.20	02/06/24 14:15	

LABORATORY CONTROL SAMPLE: 5424546

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	20	20.4	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5424548 5424547

Parameter	Units	35856950013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	1.7	20	20	18.9	22.0	86	102	90-110	15	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5424550 5424549

Parameter	Units	35857358001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	2.0	20	20	21.9	22.1	99	100	90-110	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch:	987283	Analysis Method:	EPA 351.2
QC Batch Method:	EPA 351.2	Analysis Description:	351.2 TKN
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856950002, 35856950003, 35856950004, 35856950005, 35856950006, 35856950007, 35856950008, 35856950009		

METHOD BLANK:	5429236	Matrix:	Water
Associated Lab Samples:	35856950002, 35856950003, 35856950004, 35856950005, 35856950006, 35856950007, 35856950008, 35856950009		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.20 U	0.50	0.20	02/09/24 10:52	

LABORATORY CONTROL SAMPLE:		5429237				
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	20	19.6	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		5429239		5429238								
Parameter	Units	35857438002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	0.65	20	20	20.1	20.3	97	98	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		5429241		5429240								
Parameter	Units	35857438003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	0.70	20	20	20.3	20.1	98	97	90-110	1	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report
Pace Project No.: 35856950

QC Batch:	987549	Analysis Method:	EPA 351.2
QC Batch Method:	EPA 351.2	Analysis Description:	351.2 TKN
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856950010, 35856950011, 35856950012

METHOD BLANK: 5430650 Matrix: Water
Associated Lab Samples: 35856950010, 35856950011, 35856950012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.20 U	0.50	0.20	02/12/24 13:42	

LABORATORY CONTROL SAMPLE: 5430651

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	20	19.7	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5430653 5430652

Parameter	Units	35858535003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	0.77	20	20	19.9	20.1	95	97	90-110	1	20	Q

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5430655 5430654

Parameter	Units	35856992001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	0.32 I	20	20	19.9	19.7	98	97	90-110	1	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch:	994083	Analysis Method:	EPA 351.2
QC Batch Method:	EPA 351.2	Analysis Description:	351.2 TKN
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856950001

METHOD BLANK: 5463585 Matrix: Water

Associated Lab Samples: 35856950001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.20 U	0.50	0.20	03/06/24 13:57	

LABORATORY CONTROL SAMPLE: 5463586

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	20	19.4	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5463588 5463587

Parameter	Units	35862031015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	2.1	20	20	21.4	21.5	97	97	90-110	1	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch:	985233	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856950001, 35856950002, 35856950003, 35856950004, 35856950005

METHOD BLANK: 5418584

Matrix: Water

Associated Lab Samples: 35856950001, 35856950002, 35856950003, 35856950004, 35856950005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/31/24 07:12	
Nitrogen, NO2 plus NO3	mg/L	0.015 U	0.050	0.015	01/31/24 07:12	

LABORATORY CONTROL SAMPLE: 5418585

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5418587 5418586

Parameter	Units	35856794005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	<0.015	2	2	2.1	2.1	104	102	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5418589 5418588

Parameter	Units	35856918001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	4.4	2	2	5.7	5.7	65	68	90-110	1	20	J(M1), L

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

QC Batch:	985235	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856950006, 35856950007, 35856950008, 35856950009

METHOD BLANK: 5418596 Matrix: Water

Associated Lab Samples: 35856950006, 35856950007, 35856950008, 35856950009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/31/24 07:59	
Nitrogen, NO2 plus NO3	mg/L	0.015 U	0.050	0.015	01/31/24 07:59	

LABORATORY CONTROL SAMPLE: 5418597

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5418599 5418598

Parameter	Units	35856937001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.015 U	2	2	2.0	2.0	99	101	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5418601 5418600

Parameter	Units	35856938002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.015 U	2	2	1.5	1.7	73	83	90-110	13	20 J(M1)	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report
Pace Project No.: 35856950

QC Batch:	985236	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015, 35856950016, 35856950017		

METHOD BLANK:	5418602	Matrix:	Water
Associated Lab Samples:	35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015, 35856950016, 35856950017		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/31/24 10:02	
Nitrogen, NO2 plus NO3	mg/L	0.015 U	0.050	0.015	01/31/24 10:02	

LABORATORY CONTROL SAMPLE:	5418603					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.1	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:					5418605		5418604						
		35856977004	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits		Max RPD	Qual	
Parameter	Units	Result											
Nitrogen, NO2 plus NO3	mg/L	0.015 U	2	2	1.4	1.4	69	70	90-110	2	20	J(M1)	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:				5418607	5418606							
		35856973002	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Parameter	Units	Result										
Nitrogen, NO2 plus NO3	mg/L	2.7	2	2	6.9	3.4	212	38	90-110	68	20	J(M1), J(R1), L

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report
Pace Project No.: 35856950

QC Batch:	985269	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856950016, 35856950017

METHOD BLANK: 5418654 Matrix: Water
Associated Lab Samples: 35856950016, 35856950017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5 U	20.0	12.5	02/01/24 10:49	

LABORATORY CONTROL SAMPLE: 5418655

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	496	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5418657 5418656

Parameter	Units	35856962010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	731	500	500	1090	1090	72	72	90-110	0	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5418659 5418658

Parameter	Units	35856704001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	25.5	500	500	512	513	97	98	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report
Pace Project No.: 35856950

QC Batch: 985271 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35856950001, 35856950002, 35856950003, 35856950004, 35856950005, 35856950006, 35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015

METHOD BLANK: 5418669 Matrix: Water
Associated Lab Samples: 35856950001, 35856950002, 35856950003, 35856950004, 35856950005, 35856950006, 35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5 U	20.0	12.5	02/01/24 11:08	

LABORATORY CONTROL SAMPLE: 5418670

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	494	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5418672 5418671

Parameter	Units	35856704007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	52.2	500	500	511	511	92	92	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5418674 5418673

Parameter	Units	35856950010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	25.3	500	500	476	475	90	90	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF-Revised Report
Pace Project No.: 35856950

QC Batch: 985798 Analysis Method: SM 5310B
QC Batch Method: SM 5310B Analysis Description: 5310B TOC
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35856950001, 35856950002, 35856950003, 35856950004, 35856950005, 35856950006, 35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015, 35856950016, 35856950017

METHOD BLANK: 5421148 Matrix: Water
Associated Lab Samples: 35856950001, 35856950002, 35856950003, 35856950004, 35856950005, 35856950006, 35856950007, 35856950008, 35856950009, 35856950010, 35856950011, 35856950012, 35856950013, 35856950014, 35856950015, 35856950016, 35856950017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	02/01/24 22:30	

LABORATORY CONTROL SAMPLE: 5421149

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	20	19.1	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5421150 5421151

Parameter	Units	35856833002 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	1.8	20	20	20.9	21.1	96	97	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5421152 5421153

Parameter	Units	35856950009 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	10.4	20	20	30.6	30.4	101	100	80-120	1	20	

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QUALIFIERS

Project: FDEP 1st Semiannual RRF-Revised Report
Pace Project No.: 35856950

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.
TNTC - Too Numerous To Count
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
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.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(L1)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
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(v1)	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
J(v2)	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
J(v3)	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.
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.
Q	Sample held beyond the accepted holding time.
Q	Sample held beyond the accepted holding time. Sample was received outside EPA method holding time.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1st Semiannual RRF-Revised Report
Pace Project No.: 35856950

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35856950001	RR-16 (15)				
35856950002	RR-16 (30)				
35856950003	RR-16 (60)				
35856950004	RE-10 (15)				
35856950005	RE-10 (30)				
35856950006	RE-10 (60)				
35856950007	NW-23 (15)				
35856950008	NW-23 (30)				
35856950009	NW-23 (60)				
35856950010	RR-17 (20)				
35856950011	RR-17 (60)				
35856950012	NW-46 (20)				
35856950013	NW-46 (60)				
35856950014	NW-18 (20)				
35856950015	NW-18 (60)				
35856950016	NW-18 (60) DUPLICATE				
35856950001	RR-16 (15)	EPA 8011	985491	EPA 8011	985546
35856950002	RR-16 (30)	EPA 8011	985491	EPA 8011	985546
35856950003	RR-16 (60)	EPA 8011	985491	EPA 8011	985546
35856950004	RE-10 (15)	EPA 8011	985491	EPA 8011	985546
35856950005	RE-10 (30)	EPA 8011	985491	EPA 8011	985546
35856950006	RE-10 (60)	EPA 8011	985491	EPA 8011	985546
35856950007	NW-23 (15)	EPA 8011	985491	EPA 8011	985546
35856950008	NW-23 (30)	EPA 8011	985491	EPA 8011	985546
35856950009	NW-23 (60)	EPA 8011	985491	EPA 8011	985546
35856950010	RR-17 (20)	EPA 8011	985491	EPA 8011	985546
35856950011	RR-17 (60)	EPA 8011	985491	EPA 8011	985546
35856950012	NW-46 (20)	EPA 8011	985491	EPA 8011	985546
35856950013	NW-46 (60)	EPA 8011	985491	EPA 8011	985546
35856950014	NW-18 (20)	EPA 8011	985491	EPA 8011	985546
35856950015	NW-18 (60)	EPA 8011	985491	EPA 8011	985546
35856950016	NW-18 (60) DUPLICATE	EPA 8011	985491	EPA 8011	985546
35856950017	EQ BLANK 013024	EPA 8011	985491	EPA 8011	985546
35856950001	RR-16 (15)	EPA 3010	985208	EPA 6010	985232
35856950002	RR-16 (30)	EPA 3010	985208	EPA 6010	985232
35856950003	RR-16 (60)	EPA 3010	985208	EPA 6010	985232
35856950004	RE-10 (15)	EPA 3010	985208	EPA 6010	985232
35856950005	RE-10 (30)	EPA 3010	985208	EPA 6010	985232
35856950006	RE-10 (60)	EPA 3010	985208	EPA 6010	985232
35856950007	NW-23 (15)	EPA 3010	985208	EPA 6010	985232
35856950008	NW-23 (30)	EPA 3010	985208	EPA 6010	985232
35856950009	NW-23 (60)	EPA 3010	985208	EPA 6010	985232
35856950010	RR-17 (20)	EPA 3010	985208	EPA 6010	985232
35856950011	RR-17 (60)	EPA 3010	985208	EPA 6010	985232
35856950012	NW-46 (20)	EPA 3010	985208	EPA 6010	985232
35856950013	NW-46 (60)	EPA 3010	985208	EPA 6010	985232
35856950014	NW-18 (20)	EPA 3010	985208	EPA 6010	985232
35856950015	NW-18 (60)	EPA 3010	985208	EPA 6010	985232

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1st Semiannual RRF-Revised Report
Pace Project No.: 35856950

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35856950016	NW-18 (60) DUPLICATE	EPA 3010	985208	EPA 6010	985232
35856950017	EQ BLANK 013024	EPA 3010	985208	EPA 6010	985232
35856950001	RR-16 (15)	EPA 3010	985207	EPA 6020	985231
35856950002	RR-16 (30)	EPA 3010	985207	EPA 6020	985231
35856950003	RR-16 (60)	EPA 3010	985207	EPA 6020	985231
35856950004	RE-10 (15)	EPA 3010	985207	EPA 6020	985231
35856950005	RE-10 (30)	EPA 3010	985207	EPA 6020	985231
35856950006	RE-10 (60)	EPA 3010	985207	EPA 6020	985231
35856950007	NW-23 (15)	EPA 3010	985207	EPA 6020	985231
35856950008	NW-23 (30)	EPA 3010	985207	EPA 6020	985231
35856950009	NW-23 (60)	EPA 3010	985207	EPA 6020	985231
35856950010	RR-17 (20)	EPA 3010	985207	EPA 6020	985231
35856950011	RR-17 (60)	EPA 3010	985207	EPA 6020	985231
35856950012	NW-46 (20)	EPA 3010	985207	EPA 6020	985231
35856950013	NW-46 (60)	EPA 3010	985207	EPA 6020	985231
35856950014	NW-18 (20)	EPA 3010	985207	EPA 6020	985231
35856950015	NW-18 (60)	EPA 3010	985207	EPA 6020	985231
35856950016	NW-18 (60) DUPLICATE	EPA 3010	985207	EPA 6020	985231
35856950017	EQ BLANK 013024	EPA 3010	985207	EPA 6020	985231
35856950001	RR-16 (15)	EPA 7470	987442	EPA 7470	987454
35856950002	RR-16 (30)	EPA 7470	988251	EPA 7470	988283
35856950003	RR-16 (60)	EPA 7470	988393	EPA 7470	988494
35856950004	RE-10 (15)	EPA 7470	988393	EPA 7470	988494
35856950005	RE-10 (30)	EPA 7470	988393	EPA 7470	988494
35856950006	RE-10 (60)	EPA 7470	988393	EPA 7470	988494
35856950007	NW-23 (15)	EPA 7470	988393	EPA 7470	988494
35856950008	NW-23 (30)	EPA 7470	988393	EPA 7470	988494
35856950009	NW-23 (60)	EPA 7470	988393	EPA 7470	988494
35856950010	RR-17 (20)	EPA 7470	988393	EPA 7470	988494
35856950011	RR-17 (60)	EPA 7470	988393	EPA 7470	988494
35856950012	NW-46 (20)	EPA 7470	988393	EPA 7470	988494
35856950013	NW-46 (60)	EPA 7470	988393	EPA 7470	988494
35856950014	NW-18 (20)	EPA 7470	988393	EPA 7470	988494
35856950015	NW-18 (60)	EPA 7470	988393	EPA 7470	988494
35856950016	NW-18 (60) DUPLICATE	EPA 7470	988393	EPA 7470	988494
35856950017	EQ BLANK 013024	EPA 7470	988393	EPA 7470	988494
35856950001	RR-16 (15)	EPA 8260	985350		
35856950002	RR-16 (30)	EPA 8260	985350		
35856950003	RR-16 (60)	EPA 8260	985350		
35856950004	RE-10 (15)	EPA 8260	985350		
35856950005	RE-10 (30)	EPA 8260	985350		
35856950006	RE-10 (60)	EPA 8260	985536		
35856950007	NW-23 (15)	EPA 8260	985536		
35856950008	NW-23 (30)	EPA 8260	985536		
35856950009	NW-23 (60)	EPA 8260	985536		
35856950010	RR-17 (20)	EPA 8260	985536		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35856950011	RR-17 (60)	EPA 8260	985536		
35856950012	NW-46 (20)	EPA 8260	985536		
35856950013	NW-46 (60)	EPA 8260	985536		
35856950014	NW-18 (20)	EPA 8260	985536		
35856950015	NW-18 (60)	EPA 8260	985536		
35856950016	NW-18 (60) DUPLICATE	EPA 8260	986006		
35856950017	EQ BLANK 013024	EPA 8260	986006		
35856950001	RR-16 (15)	SM 2320B	986795		
35856950002	RR-16 (30)	SM 2320B	986795		
35856950003	RR-16 (60)	SM 2320B	986795		
35856950004	RE-10 (15)	SM 2320B	986795		
35856950005	RE-10 (30)	SM 2320B	986795		
35856950006	RE-10 (60)	SM 2320B	986795		
35856950007	NW-23 (15)	SM 2320B	987540		
35856950008	NW-23 (30)	SM 2320B	987540		
35856950009	NW-23 (60)	SM 2320B	987540		
35856950010	RR-17 (20)	SM 2320B	987540		
35856950011	RR-17 (60)	SM 2320B	987540		
35856950012	NW-46 (20)	SM 2320B	987540		
35856950013	NW-46 (60)	SM 2320B	987540		
35856950014	NW-18 (20)	SM 2320B	987540		
35856950015	NW-18 (60)	SM 2320B	987540		
35856950016	NW-18 (60) DUPLICATE	SM 2320B	987540		
35856950017	EQ BLANK 013024	SM 2320B	987540		
35856950001	RR-16 (15)	SM 2540C	986521		
35856950002	RR-16 (30)	SM 2540C	986581		
35856950003	RR-16 (60)	SM 2540C	986581		
35856950004	RE-10 (15)	SM 2540C	986581		
35856950005	RE-10 (30)	SM 2540C	986581		
35856950006	RE-10 (60)	SM 2540C	986581		
35856950007	NW-23 (15)	SM 2540C	986582		
35856950008	NW-23 (30)	SM 2540C	986582		
35856950009	NW-23 (60)	SM 2540C	986582		
35856950010	RR-17 (20)	SM 2540C	986621		
35856950011	RR-17 (60)	SM 2540C	986621		
35856950012	NW-46 (20)	SM 2540C	986621		
35856950013	NW-46 (60)	SM 2540C	986621		
35856950014	NW-18 (20)	SM 2540C	986623		
35856950015	NW-18 (60)	SM 2540C	986623		
35856950016	NW-18 (60) DUPLICATE	SM 2540C	986623		
35856950017	EQ BLANK 013024	SM 2540C	986623		
35856950001	RR-16 (15)	TKN-NH3 Calculation	995773		
35856950002	RR-16 (30)	TKN-NH3 Calculation	988799		
35856950003	RR-16 (60)	TKN-NH3 Calculation	988799		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35856950004	RE-10 (15)	TKN-NH3 Calculation	988799		
35856950005	RE-10 (30)	TKN-NH3 Calculation	988799		
35856950006	RE-10 (60)	TKN-NH3 Calculation	988799		
35856950007	NW-23 (15)	TKN-NH3 Calculation	988799		
35856950008	NW-23 (30)	TKN-NH3 Calculation	988799		
35856950009	NW-23 (60)	TKN-NH3 Calculation	988800		
35856950010	RR-17 (20)	TKN-NH3 Calculation	988800		
35856950011	RR-17 (60)	TKN-NH3 Calculation	988800		
35856950012	NW-46 (20)	TKN-NH3 Calculation	988800		
35856950013	NW-46 (60)	TKN-NH3 Calculation	988800		
35856950014	NW-18 (20)	TKN-NH3 Calculation	988800		
35856950015	NW-18 (60)	TKN-NH3 Calculation	988800		
35856950016	NW-18 (60) DUPLICATE	TKN-NH3 Calculation	988800		
35856950017	EQ BLANK 013024	TKN-NH3 Calculation	988800		
35856950001	RR-16 (15)	EPA 300.0	985407		
35856950002	RR-16 (30)	EPA 300.0	985407		
35856950003	RR-16 (60)	EPA 300.0	985407		
35856950004	RE-10 (15)	EPA 300.0	985407		
35856950005	RE-10 (30)	EPA 300.0	985407		
35856950006	RE-10 (60)	EPA 300.0	986835		
35856950007	NW-23 (15)	EPA 300.0	985776		
35856950008	NW-23 (30)	EPA 300.0	985776		
35856950009	NW-23 (60)	EPA 300.0	985776		
35856950010	RR-17 (20)	EPA 300.0	985776		
35856950011	RR-17 (60)	EPA 300.0	985776		
35856950012	NW-46 (20)	EPA 300.0	985776		
35856950013	NW-46 (60)	EPA 300.0	985776		
35856950014	NW-18 (20)	EPA 300.0	985776		
35856950015	NW-18 (60)	EPA 300.0	985776		
35856950016	NW-18 (60) DUPLICATE	EPA 300.0	985776		
35856950017	EQ BLANK 013024	EPA 300.0	985770		
35856950001	RR-16 (15)	EPA 350.1	986574		
35856950002	RR-16 (30)	EPA 350.1	986574		
35856950003	RR-16 (60)	EPA 350.1	986574		
35856950004	RE-10 (15)	EPA 350.1	986574		
35856950005	RE-10 (30)	EPA 350.1	986574		
35856950006	RE-10 (60)	EPA 350.1	986574		
35856950007	NW-23 (15)	EPA 350.1	986574		
35856950008	NW-23 (30)	EPA 350.1	986574		
35856950009	NW-23 (60)	EPA 350.1	986574		
35856950010	RR-17 (20)	EPA 350.1	986574		
35856950011	RR-17 (60)	EPA 350.1	986574		
35856950012	NW-46 (20)	EPA 350.1	986913		
35856950013	NW-46 (60)	EPA 350.1	986913		
35856950014	NW-18 (20)	EPA 350.1	986913		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35856950015	NW-18 (60)	EPA 350.1	986913		
35856950016	NW-18 (60) DUPLICATE	EPA 350.1	986913		
35856950017	EQ BLANK 013024	EPA 350.1	986913		
35856950001	RR-16 (15)	EPA 351.2	994083	EPA 351.2	994397
35856950002	RR-16 (30)	EPA 351.2	987283	EPA 351.2	987754
35856950003	RR-16 (60)	EPA 351.2	987283	EPA 351.2	987754
35856950004	RE-10 (15)	EPA 351.2	987283	EPA 351.2	987754
35856950005	RE-10 (30)	EPA 351.2	987283	EPA 351.2	987754
35856950006	RE-10 (60)	EPA 351.2	987283	EPA 351.2	987754
35856950007	NW-23 (15)	EPA 351.2	987283	EPA 351.2	987754
35856950008	NW-23 (30)	EPA 351.2	987283	EPA 351.2	987754
35856950009	NW-23 (60)	EPA 351.2	987283	EPA 351.2	987754
35856950010	RR-17 (20)	EPA 351.2	987549	EPA 351.2	988271
35856950011	RR-17 (60)	EPA 351.2	987549	EPA 351.2	988271
35856950012	NW-46 (20)	EPA 351.2	987549	EPA 351.2	988271
35856950013	NW-46 (60)	EPA 351.2	986423	EPA 351.2	986706
35856950014	NW-18 (20)	EPA 351.2	986423	EPA 351.2	986706
35856950015	NW-18 (60)	EPA 351.2	986423	EPA 351.2	986706
35856950016	NW-18 (60) DUPLICATE	EPA 351.2	986423	EPA 351.2	986706
35856950017	EQ BLANK 013024	EPA 351.2	986423	EPA 351.2	986706
35856950001	RR-16 (15)	EPA 353.2	985233		
35856950002	RR-16 (30)	EPA 353.2	985233		
35856950003	RR-16 (60)	EPA 353.2	985233		
35856950004	RE-10 (15)	EPA 353.2	985233		
35856950005	RE-10 (30)	EPA 353.2	985233		
35856950006	RE-10 (60)	EPA 353.2	985235		
35856950007	NW-23 (15)	EPA 353.2	985235		
35856950008	NW-23 (30)	EPA 353.2	985235		
35856950009	NW-23 (60)	EPA 353.2	985235		
35856950010	RR-17 (20)	EPA 353.2	985236		
35856950011	RR-17 (60)	EPA 353.2	985236		
35856950012	NW-46 (20)	EPA 353.2	985236		
35856950013	NW-46 (60)	EPA 353.2	985236		
35856950014	NW-18 (20)	EPA 353.2	985236		
35856950015	NW-18 (60)	EPA 353.2	985236		
35856950016	NW-18 (60) DUPLICATE	EPA 353.2	985236		
35856950017	EQ BLANK 013024	EPA 353.2	985236		
35856950001	RR-16 (15)	EPA 410.4	985271	EPA 410.4	985725
35856950002	RR-16 (30)	EPA 410.4	985271	EPA 410.4	985725
35856950003	RR-16 (60)	EPA 410.4	985271	EPA 410.4	985725
35856950004	RE-10 (15)	EPA 410.4	985271	EPA 410.4	985725
35856950005	RE-10 (30)	EPA 410.4	985271	EPA 410.4	985725
35856950006	RE-10 (60)	EPA 410.4	985271	EPA 410.4	985725
35856950007	NW-23 (15)	EPA 410.4	985271	EPA 410.4	985725
35856950008	NW-23 (30)	EPA 410.4	985271	EPA 410.4	985725

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1st Semiannual RRF-Revised Report

Pace Project No.: 35856950

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35856950009	NW-23 (60)	EPA 410.4	985271	EPA 410.4	985725
35856950010	RR-17 (20)	EPA 410.4	985271	EPA 410.4	985725
35856950011	RR-17 (60)	EPA 410.4	985271	EPA 410.4	985725
35856950012	NW-46 (20)	EPA 410.4	985271	EPA 410.4	985725
35856950013	NW-46 (60)	EPA 410.4	985271	EPA 410.4	985725
35856950014	NW-18 (20)	EPA 410.4	985271	EPA 410.4	985725
35856950015	NW-18 (60)	EPA 410.4	985271	EPA 410.4	985725
35856950016	NW-18 (60) DUPLICATE	EPA 410.4	985269	EPA 410.4	985721
35856950017	EQ BLANK 013024	EPA 410.4	985269	EPA 410.4	985721
35856950001	RR-16 (15)	SM 5310B	985798		
35856950002	RR-16 (30)	SM 5310B	985798		
35856950003	RR-16 (60)	SM 5310B	985798		
35856950004	RE-10 (15)	SM 5310B	985798		
35856950005	RE-10 (30)	SM 5310B	985798		
35856950006	RE-10 (60)	SM 5310B	985798		
35856950007	NW-23 (15)	SM 5310B	985798		
35856950008	NW-23 (30)	SM 5310B	985798		
35856950009	NW-23 (60)	SM 5310B	985798		
35856950010	RR-17 (20)	SM 5310B	985798		
35856950011	RR-17 (60)	SM 5310B	985798		
35856950012	NW-46 (20)	SM 5310B	985798		
35856950013	NW-46 (60)	SM 5310B	985798		
35856950014	NW-18 (20)	SM 5310B	985798		
35856950015	NW-18 (60)	SM 5310B	985798		
35856950016	NW-18 (60) DUPLICATE	SM 5310B	985798		
35856950017	EQ BLANK 013024	SM 5310B	985798		

REPORT OF LABORATORY ANALYSIS

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Chain-of-Custody Analytical Request Document

W0#: 35856950

Customer Name: Miami-Dade Department of Solid Waste Management

Street Address: 2525 NW 62 St, Miami, FL 33147

Company Name: Pace Analytical Pompano Beach

3610 Park Central Blvd North, Pompano Beach, FL 33064

Location Requested (City/State): Pace Analytical Pompano Beach

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Contact/Report To: Yanett Rodriguez

Phone #: 33064

E-Mail: yanett.rodriguez@miamidade.gov

Cc E-Mail: yanett.rodriguez@miamidade.gov

Invoice To: Yanett Rodriguez

Invoice E-Mail: yanett.rodriguez@miamidade.gov

Purchase Order # (if applicable): SW0000002055

Quote #:

County / State origin of sample(s): Florida

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [] No

Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other

Date Results Requested: [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other

Field Filtered (if applicable): [] Yes [] No

Analysis:

Matrix * Comp / Grab Date Time Composite Start Date Time Collected or Composite End Date Time # Res. Chlorine Results Units

Customer Sample ID

RR-14 (15) 60 1/30/24 0747 11

RR-14 (30) 1/30/24 0759 11

RR-14 (60) 1/30/24 0816 11

RR-10 (15) 1/30/24 0857 11

RR-10 (30) 1/30/24 0909 11

RR-10 (60) 1/30/24 0922 11

NW 23 (15) 1/30/24 1030 11

NW 23 (30) 1/30/24 1039 11

NW 23 (60) 1/30/24 1042 11

RR 17 (20) 1/30/24 1123 11

Additional Instructions from Pace:

Collected By: (Printed Name) Signature: James Suckers

Relinquished by/Company: (Signature) Date/Time: 1/30/24 1530

Relinquished by/Company: (Signature) Date/Time: 1/30/24 1830

Relinquished by/Company: (Signature) Date/Time:

Relinquished by/Company: (Signature) Date/Time:

Specimen Information

Specify Container Size: 6 4 6 2 3 3 3

Identify Container Preservative Type: 4 1 4 1 2 3 1

Analysis Requested

Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NH4SO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Proj. Mgr: Rossy Guima

AcctNum / Client ID:

Table #:

Profile / Template: 3549

Prelog / Bottle Ord. ID: EZ 3055135

Sample Comment

Lab Use Only

Preservation non-conformance identified for sample:

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Corrected Temp. (°C) On Ice: 4.4

Tracing Number: 1130247540

Date/Time: 1/30/24 2246

Delivered by: [] In-Person [] Courier [] FedEx [] UPS [] Other

Page: 1 of 2

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Miami-Dade Department of Solid Waste Management
Street Address: 2525 NW 62 St, Miami, FL 33147

Customer Project #:

Project Name: FDEP 1st Semiannual RRF

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Yanett Rodriguez

Phone #:

E-Mail:

Cc E-Mail: yanett.rodriguez@miamidade.gov

Invoice To: Yanett Rodriguez

Invoice E-Mail: yanett.rodriguez@miamidade.gov

Purchase Order # (if applicable): SW00000002055

Quote #:

County / State origin of sample(s): Florida

Regulatory Program (DW, RCRA, etc.) as applicable:

Reportable [] Yes [] No

Rush (Pre-approval required):

[] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other

Date Results Requested:

Field Filtered (if applicable): [] Yes [] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Biosay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID

Matrix * Comp / Grab

Composite Start

Date

Time

Collected or Composite End

Cont.

Time

Results

Units

Res. Chlorine

8011 GCS EDB and DBCP

8260 MSV

Alkalinity, TDS

Metals 6010/6020/7470

NH3 TKN TON COD

NO2, NO3, CL

Preservation non-conformance identified for

Sample Comment

Proj. Mgr: Rossy Guima

AcctNum / Client ID:

Table #:

Profile / Template: 3549

Prelog / Bottle Ord. ID: EZ 3055135

Lab Use Only

Specify Container Size **

Identify Container Preservative Type ***

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHCO3, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MCOH, (11) Other

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL, (7) 10mL, (8) TerraCore, (9) 90mL, (10) Other

Customer Remarks / Special Conditions / Possible Hazards:

Coolers:

Thermometer ID:

Correction Factor (°C):

Obs. Temp (°C):

Corrected Temp (°C):

On Ice:

Tracking Number:

Date/Time:

Delivered by: [] In-Person [] Courier

[] FedEx [] UPS [] Other

Page: 2 of 2

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Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Reservoir Recovery</u>		SITE LOCATION: <u>6990 NW 97th Ave. Doral FL</u>	
WELL NO: <u>RR-16 (15)</u>		SAMPLE ID: <u>RR-16 (15)</u>	
		DATE: <u>1/30/24</u>	

PURGING DATA

[illegible]

SAMPLING DATA

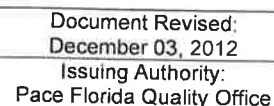
SAMPLED BY (PRINT) / AFFILIATION:				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE:		FIELD-FILTERED: Y ☒ N ☐		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP Y ☒ N ☐				TUBING Y ☐ N (replaced) ☒		Filtration Equipment Type: _____				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			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)	
2216	1	PG	500mL	cool	0	7.30	TDS/ML	APP	300	
15	1	I	250mL	I	I	I	NO2/NO3/CL	I	I	
I	1	I	I	H2SO4	I	6.2	NH3/TKN/TUO/COD	I	I	
I	1	I	I	HNO3	I	6.2	LOD/LOD/7470	I	I	
I	2	CL	40mL	cool	I	7.30	SO4/CAB	I	I	
I	2	I	I	HCL	I	6.2	TOC	I	I	
REMARKS:	3	I	I	I	I	6.2	SDO VOC	I	I	

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 22-102, 7-0

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



Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Resource Recovery		SITE LOCATION: 6970 NW 97th Ave. Doral, FL	
WELL NO: R2-16 (LD)	SAMPLE ID: R2-16 (LD)	DATE: 1/30/04	

PURGING DATA

PURGING DATA				
WELL DIAMETER (inches): 2 1/4	TUBING DIAMETER (inches): 3/4	WELL SCREEN INTERVAL DEPTH: feet to	STATIC DEPTH TO WATER (feet): 103.2	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)				

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

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY (feet) X 0.16 gallons/foot) X TUBING LENGTH + FLOW CELL VOLUME (only fill out if applicable) = 8.4288 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):		FINAL PUMP OR TUBING DEPTH IN WELL (feet):		PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
11.50		11.50		0730	0915	13.50

[illegible]

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 = Boiler; BB = Blower; C = Compressor; D = Drilling Rig; E = Electric Motor; F = Fan; G = Generator; H = Hydraulic Pump; I = Internal Combustion Engine; J = Jet Pump; K = Kerosene Engine; L = Locomotive; M = Motor; N = Nitrogen Generator; O = Oil Engine; P = Piston Engine; Q = Quenching Tank; R = Reciprocating Engine; S = Steam Engine; T = Turbine; U = Turbine Engine; V = Vacuum Pump; W = Water Pump; X = X-ray Machine; Y = Yacht; Z = Zirconium

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>JAMES STICKBRIDGE / P&L</i>		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>		SAMPLING INITIATED AT: <i>05-16 0946³³</i>	SAMPLING ENDED AT: <i>05-25 0922³³</i>
PUMP OR TUBING DEPTH IN WELL (feet): <i>16:50</i>		TUBING MATERIAL CODE: <i>H4815</i>		FIELD-FILTERED: Y <i>(N)</i>	FILTER SIZE: _____ μ m
FIELD DECONTAMINATION: PUMP Y <i>(N)</i>		TUBING Y <i>(N)</i> <i>(replaced)</i>		DUPLICATE: Y <i>(N)</i>	

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			
RR16	1	PB	500mL	COOL	0	7.32	TD5/AK	APP	500
60	1		250mL	2		7.32	N02/C03/C1		
	1			H2SO4		7.32	N02/C03/C1		
	1			HNO3		7.32	N02/C03/C1		
	2	CB	40mL	COOL		7.32	S011 GAB		
	2			HCC		7.32	TOC		
REMARKS:	3						8260 VOL		

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF TEMPERATURES

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units. Temperature: $\pm 0.03^{\circ}\text{C}$.

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Reservoir Recovery</u>		SITE LOCATION: <u>6990 NW 97th Ave</u>		<u>Down, FL</u>	
WELL NO: <u>26-10 (15)</u>		SAMPLE ID: <u>26-10 (15)</u>		DATE: <u>1/30/04</u>	

PURGING DATA

PURGING DATA				
WELL DIAMETER (inches): <i>2 1/2</i>	TUBING DIAMETER (inches): <i>1 1/4</i>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <i>7.03</i>	PURGE PUMP TYPE OR BAILER: <i>PP</i>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL SCREEN AREA) x (SCREEN HEIGHT) x (WELL DIAMETER) x (PI) x (1/4) =				

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

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY (feet - 7.03) X 0.16) X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) gallons = 1.5952

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):		FINAL PUMP OR TUBING DEPTH IN WELL (feet):		PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
8		8		0535	0556	273

[illegible]

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" = 0.0041; 3/8" = 0.0061; 1/2" = 0.0091; 5/8" = 0.0125; 3/4" = 0.0164; 7/8" = 0.0208; 1" = 0.0261; 1 1/8" = 0.0325; 1 1/4" = 0.0396; 1 3/8" = 0.0472; 1 1/2" = 0.0554; 1 5/8" = 0.0641; 1 3/4" = 0.0733; 1 7/8" = 0.0830; 2" = 0.0932; 2 1/8" = 0.1039; 2 1/4" = 0.1151; 2 3/8" = 0.1268; 2 1/2" = 0.1390; 2 5/8" = 0.1517; 2 3/4" = 0.1649; 2 7/8" = 0.1785; 3" = 0.1926; 3 1/8" = 0.2072; 3 1/4" = 0.2223; 3 3/8" = 0.2378; 3 1/2" = 0.2538; 3 5/8" = 0.2693; 3 3/4" = 0.2853; 3 7/8" = 0.3017; 4" = 0.3186; 4 1/8" = 0.3359; 4 1/4" = 0.3537; 4 3/8" = 0.3719; 4 1/2" = 0.3905; 4 5/8" = 0.4096; 4 3/4" = 0.4291; 4 7/8" = 0.4490; 5" = 0.4694; 5 1/8" = 0.4902; 5 1/4" = 0.5114; 5 3/8" = 0.5330; 5 1/2" = 0.5550; 5 5/8" = 0.5775; 5 3/4" = 0.6004; 5 7/8" = 0.6237; 6" = 0.6475; 6 1/8" = 0.6717; 6 1/4" = 0.6963; 6 3/8" = 0.7213; 6 1/2" = 0.7467; 6 5/8" = 0.7725; 6 3/4" = 0.7987; 6 7/8" = 0.8253; 7" = 0.8523; 7 1/8" = 0.8797; 7 1/4" = 0.9075; 7 3/8" = 0.9357; 7 1/2" = 0.9643; 7 5/8" = 0.9933; 7 3/4" = 1.0227; 7 7/8" = 1.0525; 8" = 1.0827; 8 1/8" = 1.1133; 8 1/4" = 1.1443; 8 3/8" = 1.1757; 8 1/2" = 1.2075; 8 5/8" = 1.2397; 8 3/4" = 1.2723; 8 7/8" = 1.3053; 9" = 1.3387; 9 1/8" = 1.3725; 9 1/4" = 1.4067; 9 3/8" = 1.4413; 9 1/2" = 1.4763; 9 5/8" = 1.5117; 9 3/4" = 1.5475; 9 7/8" = 1.5837; 10" = 1.6203; 10 1/8" = 1.6573; 10 1/4" = 1.6947; 10 3/8" = 1.7325; 10 1/2" = 1.7707; 10 5/8" = 1.8093; 10 3/4" = 1.8483; 10 7/8" = 1.8877; 11" = 1.9275; 11 1/8" = 1.9677; 11 1/4" = 2.0083; 11 3/8" = 2.0493; 11 1/2" = 2.0907; 11 5/8" = 2.1325; 11 3/4" = 2.1747; 11 7/8" = 2.2173; 12" = 2.2603; 12 1/8" = 2.3037; 12 1/4" = 2.3475; 12 3/8" = 2.3917; 12 1/2" = 2.4363; 12 5/8" = 2.4813; 12 3/4" = 2.5267; 12 7/8" = 2.5725; 13" = 2.6187; 13 1/8" = 2.6653; 13 1/4" = 2.7123; 13 3/8" = 2.7597; 13 1/2" = 2.8075; 13 5/8" = 2.8557; 13 3/4" = 2.9043; 13 7/8" = 2.9533; 14" = 3.0027; 14 1/8" = 3.0525; 14 1/4" = 3.1027; 14 3/8" = 3.1533; 14 1/2" = 3.2043; 14 5/8" = 3.2557; 14 3/4" = 3.3075; 14 7/8" = 3.3597; 15" = 3.4123; 15 1/8" = 3.4653; 15 1/4" = 3.5187; 15 3/8" = 3.5725; 15 1/2" = 3.6267; 15 5/8" = 3.6813; 15 3/4" = 3.7363; 15 7/8" = 3.7917; 16" = 3.8475; 16 1/8" = 3.9037; 16 1/4" = 3.9603; 16 3/8" = 4.0173; 16 1/2" = 4.0747; 16 5/8" = 4.1325; 16 3/4" = 4.1907; 16 7/8" = 4.2493; 17" = 4.3083; 17 1/8" = 4.3677; 17 1/4" = 4.4275; 17 3/8" = 4.4877; 17 1/2" = 4.5483; 17 5/8" = 4.6093; 17 3/4" = 4.6707; 17 7/8" = 4.7325; 18" = 4.7947; 18 1/8" = 4.8573; 18 1/4" = 4.9203; 18 3/8" = 4.9837; 18 1/2" = 5.0475; 18 5/8" = 5.1117; 18 3/4" = 5.1763; 18 7/8" = 5.2413; 19" = 5.3067; 19 1/8" = 5.3725; 19 1/4" = 5.4387; 19 3/8" = 5.5053; 19 1/2" = 5.5723; 19 5/8" = 5.6397; 19 3/4" = 5.7075; 19 7/8" = 5.7757; 20" = 5.8443; 20 1/8" = 5.9133; 20 1/4" = 5.9827; 20 3/8" = 6.0525; 20 1/2" = 6.1227; 20 5/8" = 6.1933; 20 3/4" = 6.2643; 20 7/8" = 6.3357; 21" = 6.4075; 21 1/8" = 6.4797; 21 1/4" = 6.5523; 21 3/8" = 6.6253; 21 1/2" = 6.6987; 21 5/8" = 6.7725; 21 3/4" = 6.8467; 21 7/8" = 6.9213; 22" = 6.9963; 22 1/8" = 7.0717; 22 1/4" = 7.1475; 22 3/8" = 7.2237; 22 1/2" = 7.3003; 22 5/8" = 7.3773; 22 3/4" = 7.4547; 22 7/8" = 7.5325; 23" = 7.6107; 23 1/8" = 7.6893; 23 1/4" = 7.7683; 23 3/8" = 7.8477; 23 1/2" = 7.9275; 23 5/8" = 8.0077; 23 3/4" = 8.0883; 23 7/8" = 8.1693; 24" = 8.2507; 24 1/8" = 8.3325; 24 1/4" = 8.4147; 24 3/8" = 8.4973; 24 1/2" = 8.5803; 24 5/8" = 8.6637; 24 3/4" = 8.7475; 24 7/8" = 8.8317; 25" = 8.9163; 25 1/8" = 9.0013; 25 1/4" = 9.0867; 25 3/8" = 9.1725; 25 1/2" = 9.2587; 25 5/8" = 9.3453; 25 3/4" = 9.4323; 25 7/8" = 9.5197; 26" = 9.6075; 26 1/8" = 9.6957; 26 1/4" = 9.7843; 26 3/8" = 9.8733; 26 1/2" = 9.9627; 26 5/8" = 10.0525; 26 3/4" = 10.1427; 26 7/8" = 10.2333; 27" = 10.3243; 27 1/8" = 10.4157; 27 1/4" = 10.5075; 27 3/8" = 10.5997; 27 1/2" = 10.6923; 27 5/8" = 10.7853; 27 3/4" = 10.8787; 27 7/8" = 10.9725; 28" = 11.0667; 28 1/8" = 11.1613; 28 1/4" = 11.2563; 28 3/8" = 11.3517; 28 1/2" = 11.4475; 28 5/8" = 11.5437; 28 3/4" = 11.6403; 28 7/8" = 11.7373; 29" = 11.8347; 29 1/8" = 11.9325; 29 1/4" = 12.0307; 29 3/8" = 12.1293; 29 1/2" = 12.2283; 29 5/8" = 12.3277; 29 3/4" = 12.4275; 29 7/8" = 12.5277; 30" = 12.6283; 30 1/8" = 12.7293; 30 1/4" = 12.8307; 30 3/8" =

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

SAMPLING DATA

SAMPLING DATA									
SAMPLED BY (PRINT) / AFFILIATION: <i>James Stockbridge / PAU</i>			SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: <i>0557</i>		SAMPLING ENDED AT: <i>0909</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>5</i>			TUBING MATERIAL CODE: <i>H450-15</i>			FIELD-FILTERED: Y ☒ N ☐		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			
RE-10	1	FB	500mL	COOL	0	7.27	TDS/ALK	ATP	300
(15)	1		250mL	L		7.27	NO3/NO2/CL		
	1	L	L	H2SO4		7.2	NH3/Free/NO3/NO2		
	1	L	L	HNO3		7.2	CO2/CO3/HCO3		
	2	CL	40mL	COOL		7.27	SO4/CL		
	2	L	L	HCL		7.2	TDS		
REMARKS:	3	L	L	L		7.2	SRV VCC		

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

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

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

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

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>ROSOVER RECORDS</u>		SITE LOCATION: <u>6900 NW 9TH AVE, DECATUR, FL</u>	
WELL NO: <u>ZE-10 (30)</u>	SAMPLE ID: <u>ZE-10 (30)</u>	DATE: <u>1/30/14</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1/4"</u>	WELL SCREEN INTERVAL DEPTH: feet to	STATIC DEPTH TO WATER (feet): <u>7.91</u>	PURGE PUMP TYPE OR BAILER: <u>PP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= 1.33 \text{ feet} - 7.91 \text{ feet} \times 0.14 \text{ gallons/foot} = 4.6144 \text{ gallons}$				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>9</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>9</u>	PURGING INITIATED AT: <u>0535</u>	PURGING ENDED AT: <u>0905</u>	TOTAL VOLUME PURGED (gallons): <u>6.60</u>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or (S/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0556	4.20	4.20	0.20	8.00	7.24	24.9	705	0.17	0.50	THW	SLIGHT
0702	1.20	5.40	1	8.00	7.24	24.9	766	0.14	0.36	1	1
0708	1.20	6.60	1	8.00	7.25	25.0	765	0.15	0.25	1	1

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>JAMIS STOCKBRIDGE / PAUL</u>		SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>		SAMPLING INITIATED AT: <u>0909</u>	SAMPLING ENDED AT: <u>0921</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>9</u>		TUBING MATERIAL CODE: <u>HAAP/1</u>		FIELD-FILTERED: Y ☒ N ☐	FILTER SIZE: <u>0.45</u> 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			
ZE-10	1	PE	300mL	COOL	0	7.25	TES/ALK	APP	300
30	1	1	250mL	1	1	7.25	NO2/NO3/CL	1	1
1	1	1	1	HAPO	1	7.25	NO2/NO3/HAPO	1	1
1	1	1	1	HAPO	1	7.25	NO2/NO3/HAPO	1	1
1	2	CL	40mL	COOL	1	7.25	SO4/NO3	1	1
1	3	1	1	HA	1	7.25	TOC	1	1
REMARKS:	3	1	1	1	1	7.25	HAPO NOC	1	1

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Resource Recovery		SITE LOCATION: 6990 NW 9th Ave, Doral, FL	
WELL NO: 25-10 (60)	SAMPLE ID: 25-10 (60)	DATE: 1/30/24	

PURGING DATA

PURGING DATA				
WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/4"	WELL SCREEN INTERVAL DEPTH: feet to	STATIC DEPTH TO WATER (feet): 7.86	PURGE PUMP TYPE OR BAILER: SP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY (feet) X 0.04 gallons/foot = 8.8224 gallons
(only fill out if applicable) X TUBING LENGTH) + FLOW CELL VOLUME

[illegible][illegible]

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)
SAMPLED BY: []

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>James Stockbridge / PAU</i>		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>		SAMPLING INITIATED AT: <i>0922</i>		SAMPLING ENDED AT: <i>0934</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>5.30</i>		TUBING MATERIAL CODE: <i>HAPO/s</i>		FIELD-FILTERED: Y <i>(N)</i>		FILTER SIZE: _____ μ m	
FIELD DECONTAMINATION: PUMP Y <i>(N)</i>		TUBING		Filtration Equipment Type:			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			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)
2010	1	PG	500 mL	COOL	Ø	7.35	IAS/ALK	APP	500
W	1		250 mL	+		7.35	W2/W3/CY		
	1		1	H ₂ O ₂		7.2	W3/TIC/W2/CO2		
	1		1	H ₂ O ₂		7.2	W10/W20/W20		
	2	OG	400 mL	COOL		7.35	FOI LAB		
	2		1	HCL		7.2	TOL		
REMARKS:	3		1	1		7.2	SPAC VCC		

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; F = Filter

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <i>Reservoir Recovery</i>		SITE LOCATION: <i>6990 NW 97th Ave, Doon, FL</i>	
WELL NO: <i>NW-23 15</i>	SAMPLE ID: <i>NW-23 (15)</i>	DATE: <i>1/30/24</i>	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT: 1030		SAMPLING ENDED AT: 1042	
PUMP OR TUBING DEPTH IN WELL (feet): 5				TUBING MATERIAL CODE: HAP016			FIELD-FILTERED: Y (N)		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 ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
NW23	1	PG	500mL	COOL	0	7.40	TAS/ALK		APP	
25	1		250mL	+		7.46	NW2/NW3/1			
	1			H2SO4		7.0	NW3/NW4/NW5			
	1			HNO3		7.0	COOL/COOL/COOL			
	2	CG	40mL	COOL		7.4	SO11 ORB			
	2			HCL		7.0	TOC			
REMARKS:	3					7.0	S260 VOL			

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required for a complete record of the sampling process.

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

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

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Reservoir Recovery</u>		SITE LOCATION: <u>6990 NW 97th Ave, North, FL</u>	
WELL NO: <u>NW-23 (30)</u>	SAMPLE ID: <u>NW-23 (30)</u>	DATE: <u>1/30/24</u>	

PURGING DATA

[illegible]

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:				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT: 10/29		SAMPLING ENDED AT: 10/1			
PUMP OR TUBING DEPTH IN WELL (feet): 6.50				TUBING MATERIAL CODE: HAP6/S			FIELD-FILTERED: Y (N)		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						
NW23	1	P6	500mL	CO2	0	7.30	TDS / ALK		APP		300	
80	1	1	250mL	1		7.30	NH2 / NH3 / C1		1		1	
1	1	1	1	H2O2		7.30	NH4 / FRO / TOC / UO2		1		1	
1	1	1	1	HAP6		7.30	UO2 / UO2O / H470		1		1	
1	2	C6	40mL	CO2		7.30	F011 O213		1		1	
1	2	1	1	HCL		7.30	TOC		1		1	
1	3	1	1	1		7.30	S260 VOC		1		1	

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 for this report.

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

2) **STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)**
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table 1200 of 133)
 2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Desander Recovery</u>		SITE LOCATION: <u>6910 NW 97th Ave, Norman, FL</u>	
WELL NO: <u>NW 23 (60)</u>	SAMPLE ID: <u>NW-23 (60)</u>		DATE: <u>1/30/24</u>

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.30	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) $= 162 \text{ feet} - 6.30 \text{ feet} \times 0.14 \text{ gallons/foot} = 89.12 \text{ gallons}$				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.50	PURGING INITIATED AT: 0955	PURGING ENDED AT: 1041	TOTAL VOLUME PURGED (gallons): 13.50

[illegible]

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>James Stockbridge / PAU</i>		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>		SAMPLING INITIATED AT: <i>1042</i>	SAMPLING ENDED AT: <i>1054</i>
PUMP OR TUBING DEPTH IN WELL (feet): <i>7.50</i>		TUBING MATERIAL CODE: <i>HAR-6</i>		FIELD-FILTERED: Y ☒ N ☐	FILTER SIZE: _____ μ m
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			
W023	1	PC	500mL	COOL	Ø	7.22	TSS/ALK	APD	300
W0	1		250mL	+		7.22	NO2/NO3/CI		
	1		+	HUSY		7.2	WHS /TR/TAU/CO2		
	1		+	HUSY		7.2	W00/1000/1420		
	2	Q	40mL	COOL		7.22	SO4 ODS		
	2		+	HCL		7.2	TOC		
REMARKS:	3		+	+		7.2	S260 WOC		

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Reservoir Recovery</u>		SITE LOCATION: <u>6970 NW 97th Ave, Doral, FL</u>	
WELL NO: <u>17 (20)</u>	SAMPLE ID: <u>17- (20)</u>	DATE: <u>1/30/24</u>	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.66	PURGE PUMP TYPE OR BAILER: SP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= 1.22 feet - 4.66 feet X 0.16 gallons/foot = 2.7744 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):	5.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	5.50	PURGING INITIATED AT:	1120	PURGING ENDED AT:	1122	TOTAL VOLUME PURGED (gallons):	4.90

[illegible]

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JAMES STICKLEBRIED RAIL	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1123	SAMPLING ENDED AT: 1135

PUMP OR TUBING DEPTH IN WELL (feet):	5.50	TUBING MATERIAL CODE:	HARPS	FIELD-FILTERED: Y (N)	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)
NAKRE17	1	PC	500mL	COOL	0	7.29	TAS / ALK	APP	300
20	1		250mL	COOL	1	7.29	W2 / W3 / C1		
	1			H2SO4	1	0	W1 / TW / TW / C10		
	1			HNO3	1	0	LOW / W20 / W470		
	2	CL	40mL	COOL		7.29	SO11 ODB		
	2			HCL		02	TOL		
REMARKS:	3	CL				02	S360 VOC		

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Resource Recovery		SITE LOCATION: 6970 NW 97th Ave., Doral, FL	
WELL NO: 22-17 (60)		SAMPLE ID: 22-17 (60)	
		DATE: 1/30/04	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 59.2	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)

$$= 143 \text{ feet} - 5.92 \text{ feet} \times 0.16 \text{ gallons/foot} = 9.1328 \text{ gallons}$$

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

$$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$$

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7	PURGING INITIATED AT: 1100	PURGING ENDED AT: 1117	TOTAL VOLUME PURGED (gallons): 1410

[illegible]

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: James Stekberg / PAU	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1145	SAMPLING ENDED AT: 1700

PUMP OR TUBING DEPTH IN WELL (feet):	7	TUBING MATERIAL CODE:	H206/S	FIELD-FILTERED: Y ☒ N	Filtration Equipment Type:	FILTER SIZE: _____ μ m

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			
RZ17	1	PG	500mL	COOL	0	7.20	TPS/ARX	APP	300
60	1	L	250mL	I	I	7.20	W12/03/C1	I	I
I	1	L	I	H2SO4	I	6.2	W13/TPS/TPQ/COB	I	I
I	1	L	I	HNO3	I	6.2	W010/H430/W020	I	I
I	2	CL	40mL	COOL	I	7.20	SEE SON GDR	I	I
I	2	L	I	HCL	I	6.2	TCX	I	I
REMARKS:	3	L	I	I	I	6.2	8360 VOC	I	I

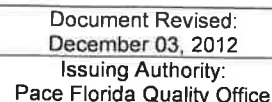
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

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



2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Resource Recovery		SITE LOCATION: 6990 97th Ave, Doral, FL	
WELL NO: NW 15 (20)	SAMPLE ID: NW 15 (20)	DATE: 1/30/24	

PURGING DATA

FORGING DATA				
WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	1 1/4"		5-42	PP

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

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

$$\text{INITIAL PUMP-OUT TURN} = \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$$

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	6.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	6.50	PURGING INITIATED AT:	1350	PURGING ENDED AT:	1345	TOTAL VOLUME PURGED (gallons):	3.60

[illegible]

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>James Stockbridge / PAW</i>		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: <i>1347</i>	SAMPLING ENDED AT: <i>1401</i>

PUMP OR TUBING DEPTH IN WELL (feet):	6.50	TUBING MATERIAL CODE:	HAPC/S	FIELD-FILTERED: Y	(N)	END DATE:	1/01	FILTER SIZE:	_____ μ m

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

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION		INTENDED	SAMPLING	SAMPLE DUMP

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	WETTED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
NW15	1	P6	500mL	COOL	0	7.30	TAS/ALK	APP	300
20	1	I	250mL	I	I	7.50	NH2/NH3/CL	I	I
I	1	I	I	H2SO4	I	<2	NH3/TKN/TDS/CO2	I	I
I	1	I	I	HNO3	I	<2	LOD/LOD/1430	I	I
I	2	CL	40mL	COOL	I	7.30	PO11 OOI3	I	I
I	2	I	I	HCL	I	<2	TOL	I	I
REMARKS:	3	I	I	I	I	<2	20.0 VAC	I	I

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Reservoir Reservoir</u>		SITE LOCATION: <u>6990 NW 97TH Ave Doon. F</u>	
WELL NO: <u>NW 12 (40)/DUP</u>	SAMPLE ID: <u>NW 12 (40)/DUP</u>	DATE: <u>1/30/94</u>	

PURGING DATA

WELL DIAMETER (inches): 2'	TUBING DIAMETER (inches): 3/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 535'	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)

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

$$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$$

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.50	PURGING INITIATED AT: 1330	PURGING ENDED AT: 1716	TOTAL VOLUME PURGED (gallons): 13.50

[illegible]

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: AMIA STOCKBIDER / PAU	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1417	SAMPLING ENDED AT: 1443

PUMP OR TUBING DEPTH IN WELL (feet):	6.50	TUBING MATERIAL CODE:	HA-18/5	FIELD-FILTERED: Y ☒ N ☐	FILTER SIZE: _____ μm
FIELD DECONTAMINATION:	PUMP Y ☒ N ☐	TUBING Y ☐ N ☒ (replaced)	DUPLICATE: ☒ Y ☐ N ☒ (replaced)		

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			
NW15	1/1	Pb	500mL	COOL	0	7.30	TDS / ALK	APP	500
W0/AUP	1/1		250mL	+		7.30	NO3 / NO3 / Cl		
	1/1			H2SO4		<2	NH3 / TKN / TDN / COD		
	1/1			HNO3		<2	LO10 / LO20 / F470		
	2/2	Cl	40mL	COOL		7.30	SO4 / LA13		
	2/2			HCl		<2	TOC		
REMARKS:	3/3			+		<2	S260 VOL		

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

Sample Condition Upon Receipt Form (SCUR)

Pace

Project #
Project Manager:
Client:

WO#: 35856950

PM: RYG Due Date: 02/14/24
CLIENT: 36-MDSWM

Date and Initials of person:

Examining contents: 2/1

Label: _____

Deliver: _____

pH: _____

Initials: OW

Thermometer Used: T-414

Date: 1-30-24

Time: 2302

State of Origin: _____

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 4.4 (Visual) +0.0 (Correction Factor) 4.4 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ 3.6 (Visual) _____ (Correction Factor) 3.6 (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ 2.8 (Visual) _____ (Correction Factor) 2.8 (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Recheck for OOT $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

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

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

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # _____

Custody Seal Present: ☒ Yes ☐ No Seal properly placed and intact: ☒ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other:

Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

Samples shorted to lab: ☐ Yes ☐ No (If yes, complete the following)

Shorted Date: _____

Bottle Quantity / Type: _____

Shorted Time: _____

Chain of Custody:	Present: ☒ Yes ☐ No Filled Out: ☐ Yes ☒ No ☐ N/A Sampler Name: ☒ Yes ☐ No ☐ N/A
	Relinquished To Pace: ☐ Yes ☐ No ☐ N/A Sampling Date(s): ☒ Yes ☐ No ☐ N/A Sampling Time(s): ☒ Yes ☐ No ☐ N/A
Samples Arrived within Hold Time.	☐ Yes ☒ No ☐ N/A Comments:
Rush Turnaround Requested on COC.	☐ Yes ☒ No ☐ N/A Comments:
Sufficient Volume.	☐ Yes ☒ No ☐ N/A Comments:
Correct Containers Used.	☐ Yes ☒ No ☐ N/A Comments:
Containers Intact.	☐ Yes ☒ No ☐ N/A Comments:
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☐ Yes ☒ No ☐ N/A Comments:
Containers needing acid / base preservation have been checked.	☐ Yes ☒ No ☐ N/A Comments:
Containers needing preservation are found to be in compliance with A recommendation:	☐ Yes ☒ No ☐ N/A
Exceptions: Vials, Microbiology, O&G, PFAS	
Adsorbent in Volatile Vials? (>6mm):	☐ Yes ☒ No ☐ N/A
Blank Present:	☐ Yes ☒ No ☐ N/A
Comments / Resolutions (use back for additional comments):	

Preservative: _____

Lot / Trace: _____

Amount added (mL): _____

Preservation Information

Date: _____

Time: _____

Initials: _____



Sample Condition Upon Receipt Form (SCUR)

Project #
Project Manager:
Client:

WO#: 35856950

PM: RYG Due Date: 02/14/24
CLIENT: 36-MDSWM

Date and Initials of person:

Examining contents: _____

Label: _____

Deliver: _____

pH: _____

Initials: KD

Thermometer Used: T-398

Date: 01/30/2024

Time: 1600

State of Origin: _____

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 4.2 (Visual) -0.1 (Correction Factor) 4.1 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ 4.0 (Visual) ↓ (Correction Factor) 3.9 (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ 3.6 (Visual) ↓ (Correction Factor) 3.5 (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Recheck for OOT $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

☒ Samples on ice, cooling process has begun.

☒ Samples on ice, cooling process has begun.

☒ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

Time: _____ Initials: _____

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

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

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # _____

Custody Seal Present: ☐ Yes ☒ No Seal properly placed and intact: ☐ Yes ☒ No

Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

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

Samples shorted to lab: ☐ Yes ☐ No (If yes, complete the following)

Shorted Date: _____

Shorted Time: _____

Bottle Quantity / Type: _____

Chain of Custody:	Present: ☐ Yes ☐ No Filled Out: ☐ Yes ☐ No ☐ N/A Sampler Name: ☐ Yes ☐ No ☐ N/A		
	Relinquished To Pace: ☐ Yes ☐ No ☐ N/A Sampling Date(s): ☐ Yes ☐ No ☐ N/A Sampling Time(s): ☐ Yes ☐ No ☐ N/A		
Samples Arrived within Hold Time.	☐ Yes ☒ No ☐ N/A	Comments:	
Rush Turnaround Requested on COC.	☐ Yes ☒ No ☐ N/A	Comments:	
Sufficient Volume.	☐ Yes ☐ No ☐ N/A	Comments:	
Correct Containers Used.	☐ Yes ☐ No ☐ N/A	Comments:	
Containers Intact.	☐ Yes ☒ No ☐ N/A	Comments:	
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☐ Yes ☐ No ☐ N/A	Comments:	
All containers needing acid / base preservation have been checked.	☐ Yes ☐ No ☐ N/A	Preservation Information Preservative: _____ Date: _____ Lot / Trace: _____ Time: _____ Amount added (mL): _____ Initials: _____	
All containers needing preservation are found to be in compliance with EPA recommendation:	☐ Yes ☐ No ☐ N/A		
Exceptions: Vials, Microbiology, O&G, PFAS			
Headspace in Volatile Vials? (>6mm):	☐ Yes ☐ No ☐ N/A		
Trip Blank Present:	☐ Yes ☐ No ☐ N/A		

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



February 22, 2024

Mario Porcelli
Miami-Dade Department of Solid Waste
Management
2525 NW 62
5th floor
Miami, FL 33147

RE: Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on February 08, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte
- Pace Analytical Services - Ormond Beach

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

Sincerely,

Rosy Guima
rossy.guima@pacelabs.com
954-582-4300
Project Manager

Enclosures

cc: Robert Graessel, Miami-Dade Department of Solid Waste
Management
Arelis Roman, Miami-Dade Department of Solid Waste
Management



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
California Certification# 3096
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
DoD-ANAB #:ADE-3199
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
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
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

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SAMPLE SUMMARY

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35859229001	COMP	Water	02/08/24 07:30	02/08/24 12:45
35859229002	GRAB	Water	02/08/24 07:35	02/08/24 12:45
35859229003	FIELD BLANK 02/08/24	Water	02/08/24 07:40	02/08/24 12:45

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35859229001	COMP	EPA 200.7	AAM1, AME, TMA	16	PASI-O
		EPA 200.8	EAP	1	PASI-O
		EPA 245.1	JNK	1	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		SM 2540D	HDV	1	PASI-O
		SM 5210B	MCD	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	KW1	1	PASI-O
		EPA 353.2	KW1	1	PASI-O
35859229002	GRAB	EPA 1664B	DVR	1	PASI-C
		EPA 504.1	TLC	2	PASI-O
		EPA 608.3	CB1	9	PASI-O
		EPA 608.3	CB1	20	PASI-O
		EPA 624.1	CLT	38	PASI-O
		EPA 8260	CLT	15	PASI-O
		SM 5310B	EAD	1	PASI-O
		EPA 1664B	DVR	1	PASI-C
35859229003	FIELD BLANK 02/08/24	EPA 504.1	TLC	2	PASI-O
		EPA 608.3	CB1	9	PASI-O
		EPA 608.3	BLM	20	PASI-O
		EPA 200.7	TMA	16	PASI-O
		EPA 200.8	EAP	1	PASI-O
		EPA 245.1	JNK	1	PASI-O
		EPA 624.1	CLT	38	PASI-O
		EPA 8260	CLT	15	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	HDV	1	PASI-O
		SM 2540D	HDV	1	PASI-O
		SM 5210B	MCD	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	KW1	1	PASI-O
		EPA 353.2	KW1	1	PASI-O
		SM 5310B	EAD	1	PASI-O

PASI-C = Pace Analytical Services - Charlotte

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

Sample: COMP Lab ID: 35859229001 Collected: 02/08/24 07:30 Received: 02/08/24 12:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Ormond Beach									
Antimony	27.5 U	ug/L	75.0	27.5	5	02/12/24 11:39	02/13/24 08:57	7440-36-0	D3
Arsenic	3.4 U	ug/L	10.0	3.4	1	02/12/24 11:39	02/12/24 21:43	7440-38-2	J(IS)
Barium	3340	ug/L	50.0	4.2	5	02/12/24 11:39	02/13/24 08:57	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	02/12/24 11:39	02/12/24 21:43	7440-41-7	J(IS)
Cadmium	0.33 U	ug/L	1.0	0.33	1	02/12/24 11:39	02/12/24 21:43	7440-43-9	J(IS)
Chromium	9.3 I	ug/L	25.0	8.5	5	02/12/24 11:39	02/13/24 08:57	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	02/12/24 11:39	02/12/24 21:43	7440-48-4	J(IS)
Copper	13.0 U	ug/L	25.0	13.0	5	02/12/24 11:39	02/13/24 08:57	7440-50-8	D3
Iron	427	ug/L	40.0	25.0	1	02/12/24 11:39	02/12/24 21:43	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	02/12/24 11:39	02/12/24 21:43	7439-92-1	J(IS)
Nickel	11.2 I	ug/L	25.0	5.0	5	02/12/24 11:39	02/13/24 08:57	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	02/12/24 11:39	02/12/24 21:43	7782-49-2	J(IS)
Silver	1.0 U	ug/L	5.0	1.0	1	02/12/24 11:39	02/12/24 21:43	7440-22-4	J(IS)
Sodium	9150	mg/L	400	108	200	02/12/24 11:39	02/14/24 12:20	7440-23-5	
Vanadium	5.0 U	ug/L	50.0	5.0	5	02/12/24 11:39	02/13/24 08:57	7440-62-2	D3
Zinc	55.0 U	ug/L	100	55.0	5	02/12/24 11:39	02/13/24 08:57	7440-66-6	D3
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Ormond Beach									
Thallium	0.11 U	ug/L	1.0	0.11	1	02/12/24 11:39	02/12/24 18:21	7440-28-0	J(IS)
245.1 Mercury									
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Pace Analytical Services - Ormond Beach									
Mercury	0.14 U	ug/L	0.20	0.14	1	02/13/24 10:28	02/14/24 14:47	7439-97-6	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Ormond Beach									
Alkalinity, Total as CaCO ₃	508	mg/L	5.0	5.0	1		02/14/24 11:53		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	44800	mg/L	250	250	1		02/13/24 21:03		
2540D Total Suspended Solids									
Analytical Method: SM 2540D									
Pace Analytical Services - Ormond Beach									
Total Suspended Solids	18.5	mg/L	5.0	5.0	1		02/13/24 18:35		J(D6)
5210B BOD, 5 day									
Analytical Method: SM 5210B									
Pace Analytical Services - Ormond Beach									
BOD, 5 day	88.3	mg/L	26.8	26.8	20	02/09/24 11:53	02/14/24 11:34		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0									
Pace Analytical Services - Ormond Beach									
Chloride	23800	mg/L	2000	1000	400		02/10/24 09:08	16887-00-6	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

Sample: COMP		Lab ID: 35859229001		Collected: 02/08/24 07:30		Received: 02/08/24 12:45		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	79.3	mg/L	0.25	0.17	5		02/09/24 20:17	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Nitrate	0.057	mg/L	0.050	0.025	1		02/09/24 17:57	14797-55-8	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

Sample: GRAB Lab ID: 35859229002 Collected: 02/08/24 07:35 Received: 02/08/24 12:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Ormond Beach									
Field pH	7.0	Std. Units			1		02/08/24 07:35		
Field Temperature	25.4	deg C			1		02/08/24 07:35		
HEM, Oil and Grease									
Analytical Method: EPA 1664B Pace Analytical Services - Charlotte									
Oil and Grease	8.2	mg/L	4.9	1.1	1		02/16/24 15:21		
504.1 GCS EDB and DBCP									
Analytical Method: EPA 504.1 Preparation Method: EPA 504.1 Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0062 U	ug/L	0.020	0.0062	1	02/09/24 15:40	02/10/24 01:09	96-12-8	
1,2-Dibromoethane (EDB)	0.0073 U	ug/L	0.0098	0.0073	1	02/09/24 15:40	02/10/24 01:09	106-93-4	
608.3 GCS PCBs									
Analytical Method: EPA 608.3 Preparation Method: EPA 608.3 Pace Analytical Services - Ormond Beach									
PCB-1016 (Aroclor 1016)	0.39 U	ug/L	1.0	0.39	2	02/09/24 16:39	02/15/24 12:52	12674-11-2	1p
PCB-1221 (Aroclor 1221)	0.46 U	ug/L	1.0	0.46	2	02/09/24 16:39	02/15/24 12:52	11104-28-2	1p
PCB-1232 (Aroclor 1232)	0.62 U	ug/L	1.0	0.62	2	02/09/24 16:39	02/15/24 12:52	11141-16-5	1p
PCB-1242 (Aroclor 1242)	0.25 U	ug/L	1.0	0.25	2	02/09/24 16:39	02/15/24 12:52	53469-21-9	1p
PCB-1248 (Aroclor 1248)	0.55 U	ug/L	1.0	0.55	2	02/09/24 16:39	02/15/24 12:52	12672-29-6	1p
PCB-1254 (Aroclor 1254)	0.29 U	ug/L	1.0	0.29	2	02/09/24 16:39	02/15/24 12:52	11097-69-1	1p
PCB-1260 (Aroclor 1260)	0.22 U	ug/L	1.0	0.22	2	02/09/24 16:39	02/15/24 12:52	11096-82-5	1p
Surrogates									
Tetrachloro-m-xylene (S)	66	%	14-138		2	02/09/24 16:39	02/15/24 12:52	877-09-8	
Decachlorobiphenyl (S)	68	%	10-141		2	02/09/24 16:39	02/15/24 12:52	2051-24-3	
608.3 GCS Pesticides									
Analytical Method: EPA 608.3 Preparation Method: EPA 608.3 Pace Analytical Services - Ormond Beach									
Aldrin	0.46 U	ug/L	4.0	0.46	50	02/09/24 16:37	02/19/24 09:47	309-00-2	D3
alpha-BHC	0.10 U	ug/L	0.50	0.10	50	02/09/24 16:37	02/19/24 09:47	319-84-6	D3
beta-BHC	1.0 U	ug/L	1.5	1.0	50	02/09/24 16:37	02/19/24 09:47	319-85-7	D3
delta-BHC	0.49 U	ug/L	0.50	0.49	50	02/09/24 16:37	02/19/24 09:47	319-86-8	D3
gamma-BHC (Lindane)	0.11 U	ug/L	0.50	0.11	50	02/09/24 16:37	02/19/24 09:47	58-89-9	D3
Chlordane (Technical)	12.3 U	ug/L	25.0	12.3	50	02/09/24 16:37	02/19/24 09:47	57-74-9	D3
4,4'-DDD	0.027 U	ug/L	0.10	0.027	10	02/09/24 16:37	02/19/24 09:34	72-54-8	D3
4,4'-DDE	0.050 U	ug/L	0.10	0.050	10	02/09/24 16:37	02/19/24 09:34	72-55-9	D3
4,4'-DDT	0.051 U	ug/L	0.10	0.051	10	02/09/24 16:37	02/19/24 09:34	50-29-3	D3
Dieldrin	0.020 U	ug/L	0.30	0.020	10	02/09/24 16:37	02/19/24 09:34	60-57-1	D3
Endosulfan I	0.051 U	ug/L	0.10	0.051	10	02/09/24 16:37	02/19/24 09:34	959-98-8	D3
Endosulfan II	0.040 U	ug/L	0.10	0.040	10	02/09/24 16:37	02/19/24 09:34	33213-65-9	D3
Endosulfan sulfate	0.027 U	ug/L	1.0	0.027	10	02/09/24 16:37	02/19/24 09:34	1031-07-8	D3
Endrin	0.043 U	ug/L	0.10	0.043	10	02/09/24 16:37	02/19/24 09:34	72-20-8	D3
Endrin aldehyde	0.036 U	ug/L	1.0	0.036	10	02/09/24 16:37	02/19/24 09:34	7421-93-4	D3
Heptachlor	0.31 U	ug/L	0.50	0.31	50	02/09/24 16:37	02/19/24 09:47	76-44-8	D3
Heptachlor epoxide	0.14 U	ug/L	1.0	0.14	50	02/09/24 16:37	02/19/24 09:47	1024-57-3	D3
Toxaphene	2.5 U	ug/L	5.0	2.5	10	02/09/24 16:37	02/19/24 09:34	8001-35-2	D3

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

Sample: GRAB Lab ID: 35859229002 Collected: 02/08/24 07:35 Received: 02/08/24 12:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
608.3 GCS Pesticides									
Analytical Method: EPA 608.3 Preparation Method: EPA 608.3									
Pace Analytical Services - Ormond Beach									
Surrogates									
Tetrachloro-m-xylene (S)	95	%	14-138		50	02/09/24 16:37	02/19/24 09:47	877-09-8	
Decachlorobiphenyl (S)	97	%	10-141		10	02/09/24 16:37	02/19/24 09:34	2051-24-3	
624.1 Volatile Organics									
Analytical Method: EPA 624.1									
Pace Analytical Services - Ormond Beach									
Acetone	208	ug/L	25.0	8.7	1		02/09/24 15:21	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/09/24 15:21	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/09/24 15:21	71-43-2	
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/09/24 15:21	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/09/24 15:21	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/09/24 15:21	74-83-9	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/09/24 15:21	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/09/24 15:21	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/09/24 15:21	75-00-3	
2-Chloroethylvinyl ether	6.1 U	ug/L	40.0	6.1	1		02/09/24 15:21	110-75-8	c3
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/09/24 15:21	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/09/24 15:21	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/09/24 15:21	124-48-1	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/09/24 15:21	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/09/24 15:21	106-46-7	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/09/24 15:21	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		02/09/24 15:21	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/09/24 15:21	75-35-4	
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/09/24 15:21	156-59-2	N2
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/09/24 15:21	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/09/24 15:21	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/09/24 15:21	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/09/24 15:21	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/09/24 15:21	100-41-4	
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/09/24 15:21	75-09-2	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/09/24 15:21	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/09/24 15:21	127-18-4	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/09/24 15:21	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/09/24 15:21	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/09/24 15:21	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/09/24 15:21	75-69-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/09/24 15:21	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/09/24 15:21	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/09/24 15:21	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/09/24 15:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	129	%	60-140		1		02/09/24 15:21	460-00-4	
Toluene-d8 (S)	101	%	60-140		1		02/09/24 15:21	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	60-140		1		02/09/24 15:21	2199-69-1	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

Sample: GRAB Lab ID: 35859229002 Collected: 02/08/24 07:35 Received: 02/08/24 12:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/09/24 20:00	74-97-5	
2-Butanone (MEK)	34.5 I	ug/L	50.0	6.7	1		02/09/24 20:00	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/09/24 20:00	75-15-0	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/09/24 20:00	74-95-3	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/09/24 20:00	110-57-6	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/09/24 20:00	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/09/24 20:00	74-88-4	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/09/24 20:00	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/09/24 20:00	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/09/24 20:00	630-20-6	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/09/24 20:00	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/09/24 20:00	108-05-4	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		02/09/24 20:00	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		02/09/24 20:00	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		02/09/24 20:00	2199-69-1	
5310B TOC									
Analytical Method: SM 5310B									
Pace Analytical Services - Ormond Beach									
Total Organic Carbon	74.4	mg/L	4.0	2.0	4		02/11/24 08:33	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

Sample: FIELD BLANK 02/08/24 Lab ID: 35859229003 Collected: 02/08/24 07:40 Received: 02/08/24 12:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease									
Analytical Method: EPA 1664B Pace Analytical Services - Charlotte									
Oil and Grease	5.1	mg/L	4.9	1.1	1		02/16/24 15:21		
504.1 GCS EDB and DBCP									
Analytical Method: EPA 504.1 Preparation Method: EPA 504.1 Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	02/09/24 15:40	02/10/24 01:21	96-12-8	
1,2-Dibromoethane (EDB)	0.0078 U	ug/L	0.010	0.0078	1	02/09/24 15:40	02/10/24 01:21	106-93-4	
608.3 GCS PCBs									
Analytical Method: EPA 608.3 Preparation Method: EPA 608.3 Pace Analytical Services - Ormond Beach									
PCB-1016 (Aroclor 1016)	0.20 U	ug/L	0.51	0.20	1	02/09/24 16:39	02/15/24 13:11	12674-11-2	1p
PCB-1221 (Aroclor 1221)	0.24 U	ug/L	0.51	0.24	1	02/09/24 16:39	02/15/24 13:11	11104-28-2	1p
PCB-1232 (Aroclor 1232)	0.32 U	ug/L	0.51	0.32	1	02/09/24 16:39	02/15/24 13:11	11141-16-5	1p
PCB-1242 (Aroclor 1242)	0.13 U	ug/L	0.51	0.13	1	02/09/24 16:39	02/15/24 13:11	53469-21-9	1p
PCB-1248 (Aroclor 1248)	0.28 U	ug/L	0.51	0.28	1	02/09/24 16:39	02/15/24 13:11	12672-29-6	1p
PCB-1254 (Aroclor 1254)	0.15 U	ug/L	0.51	0.15	1	02/09/24 16:39	02/15/24 13:11	11097-69-1	1p
PCB-1260 (Aroclor 1260)	0.11 U	ug/L	0.51	0.11	1	02/09/24 16:39	02/15/24 13:11	11096-82-5	1p
Surrogates									
Tetrachloro-m-xylene (S)	76	%	14-138		1	02/09/24 16:39	02/15/24 13:11	877-09-8	
Decachlorobiphenyl (S)	47	%	10-141		1	02/09/24 16:39	02/15/24 13:11	2051-24-3	
608.3 GCS Pesticides									
Analytical Method: EPA 608.3 Preparation Method: EPA 608.3 Pace Analytical Services - Ormond Beach									
Aldrin	0.0094 U	ug/L	0.082	0.0094	1	02/09/24 16:37	02/18/24 17:17	309-00-2	
alpha-BHC	0.0021 U	ug/L	0.010	0.0021	1	02/09/24 16:37	02/18/24 17:17	319-84-6	
beta-BHC	0.020 U	ug/L	0.031	0.020	1	02/09/24 16:37	02/18/24 17:17	319-85-7	
delta-BHC	0.010 U	ug/L	0.010	0.010	1	02/09/24 16:37	02/18/24 17:17	319-86-8	
gamma-BHC (Lindane)	0.0023 U	ug/L	0.010	0.0023	1	02/09/24 16:37	02/18/24 17:17	58-89-9	
Chlordane (Technical)	0.25 U	ug/L	0.51	0.25	1	02/09/24 16:37	02/18/24 17:17	57-74-9	
4,4'-DDD	0.0028 U	ug/L	0.010	0.0028	1	02/09/24 16:37	02/18/24 17:17	72-54-8	
4,4'-DDE	0.0051 U	ug/L	0.010	0.0051	1	02/09/24 16:37	02/18/24 17:17	72-55-9	
4,4'-DDT	0.0052 U	ug/L	0.010	0.0052	1	02/09/24 16:37	02/18/24 17:17	50-29-3	
Dieldrin	0.0020 U	ug/L	0.031	0.0020	1	02/09/24 16:37	02/18/24 17:17	60-57-1	
Endosulfan I	0.0052 U	ug/L	0.010	0.0052	1	02/09/24 16:37	02/18/24 17:17	959-98-8	
Endosulfan II	0.0041 U	ug/L	0.010	0.0041	1	02/09/24 16:37	02/18/24 17:17	33213-65-9	
Endosulfan sulfate	0.0028 U	ug/L	0.10	0.0028	1	02/09/24 16:37	02/18/24 17:17	1031-07-8	
Endrin	0.0044 U	ug/L	0.010	0.0044	1	02/09/24 16:37	02/18/24 17:17	72-20-8	
Endrin aldehyde	0.0037 U	ug/L	0.10	0.0037	1	02/09/24 16:37	02/18/24 17:17	7421-93-4	
Heptachlor	0.0063 U	ug/L	0.010	0.0063	1	02/09/24 16:37	02/18/24 17:17	76-44-8	
Heptachlor epoxide	0.0030 U	ug/L	0.020	0.0030	1	02/09/24 16:37	02/18/24 17:17	1024-57-3	
Toxaphene	0.26 U	ug/L	0.51	0.26	1	02/09/24 16:37	02/18/24 17:17	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	128	%	14-138		1	02/09/24 16:37	02/18/24 17:17	877-09-8	
Decachlorobiphenyl (S)	55	%	10-141		1	02/09/24 16:37	02/18/24 17:17	2051-24-3	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

Sample: FIELD BLANK 02/08/24 Lab ID: 35859229003 Collected: 02/08/24 07:40 Received: 02/08/24 12:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Ormond Beach									
Antimony	5.5 U	ug/L	15.0	5.5	1	02/12/24 11:39	02/12/24 21:47	7440-36-0	
Arsenic	3.4 U	ug/L	10.0	3.4	1	02/12/24 11:39	02/12/24 21:47	7440-38-2	
Barium	0.84 U	ug/L	10.0	0.84	1	02/12/24 11:39	02/12/24 21:47	7440-39-3	
Beryllium	0.17 U	ug/L	4.0	0.17	1	02/12/24 11:39	02/12/24 21:47	7440-41-7	
Cadmium	0.33 U	ug/L	1.0	0.33	1	02/12/24 11:39	02/12/24 21:47	7440-43-9	
Chromium	1.7 U	ug/L	5.0	1.7	1	02/12/24 11:39	02/12/24 21:47	7440-47-3	
Cobalt	0.96 U	ug/L	10.0	0.96	1	02/12/24 11:39	02/12/24 21:47	7440-48-4	
Copper	2.6 U	ug/L	5.0	2.6	1	02/12/24 11:39	02/12/24 21:47	7440-50-8	
Iron	25.0 U	ug/L	40.0	25.0	1	02/12/24 11:39	02/12/24 21:47	7439-89-6	
Lead	2.1 U	ug/L	10.0	2.1	1	02/12/24 11:39	02/12/24 21:47	7439-92-1	
Nickel	1.0 U	ug/L	5.0	1.0	1	02/12/24 11:39	02/12/24 21:47	7440-02-0	
Selenium	3.9 U	ug/L	15.0	3.9	1	02/12/24 11:39	02/12/24 21:47	7782-49-2	
Silver	1.0 U	ug/L	5.0	1.0	1	02/12/24 11:39	02/12/24 21:47	7440-22-4	
Sodium	1.4 I	mg/L	2.0	0.54	1	02/12/24 11:39	02/12/24 21:47	7440-23-5	
Vanadium	1.0 U	ug/L	10.0	1.0	1	02/12/24 11:39	02/12/24 21:47	7440-62-2	
Zinc	11.0 U	ug/L	20.0	11.0	1	02/12/24 11:39	02/12/24 21:47	7440-66-6	
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Ormond Beach									
Thallium	0.11 U	ug/L	1.0	0.11	1	02/12/24 11:39	02/12/24 18:32	7440-28-0	
245.1 Mercury									
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Pace Analytical Services - Ormond Beach									
Mercury	0.14 U	ug/L	0.20	0.14	1	02/14/24 12:04	02/15/24 11:51	7439-97-6	
624.1 Volatile Organics									
Analytical Method: EPA 624.1									
Pace Analytical Services - Ormond Beach									
Acetone	8.7 U	ug/L	25.0	8.7	1		02/09/24 14:36	67-64-1	
Acrylonitrile	3.7 U	ug/L	20.0	3.7	1		02/09/24 14:36	107-13-1	
Benzene	0.30 U	ug/L	1.0	0.30	1		02/09/24 14:36	71-43-2	
Bromodichloromethane	0.19 U	ug/L	1.0	0.19	1		02/09/24 14:36	75-27-4	
Bromoform	0.48 U	ug/L	3.0	0.48	1		02/09/24 14:36	75-25-2	
Bromomethane	3.9 U	ug/L	10.0	3.9	1		02/09/24 14:36	74-83-9	
Carbon tetrachloride	0.44 U	ug/L	3.0	0.44	1		02/09/24 14:36	56-23-5	
Chlorobenzene	0.35 U	ug/L	1.0	0.35	1		02/09/24 14:36	108-90-7	
Chloroethane	3.7 U	ug/L	10.0	3.7	1		02/09/24 14:36	75-00-3	
2-Chloroethylvinyl ether	6.1 U	ug/L	40.0	6.1	1		02/09/24 14:36	110-75-8	c3
Chloroform	0.56 U	ug/L	1.0	0.56	1		02/09/24 14:36	67-66-3	
Chloromethane	0.43 U	ug/L	1.0	0.43	1		02/09/24 14:36	74-87-3	
Dibromochloromethane	0.45 U	ug/L	2.0	0.45	1		02/09/24 14:36	124-48-1	
1,2-Dichlorobenzene	0.60 U	ug/L	1.0	0.60	1		02/09/24 14:36	95-50-1	
1,4-Dichlorobenzene	0.28 U	ug/L	1.0	0.28	1		02/09/24 14:36	106-46-7	
1,1-Dichloroethane	0.34 U	ug/L	1.0	0.34	1		02/09/24 14:36	75-34-3	
1,2-Dichloroethane	0.27 U	ug/L	1.0	0.27	1		02/09/24 14:36	107-06-2	
1,1-Dichloroethene	0.59 U	ug/L	1.0	0.59	1		02/09/24 14:36	75-35-4	

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

Sample: FIELD BLANK 02/08/24 Lab ID: 35859229003 Collected: 02/08/24 07:40 Received: 02/08/24 12:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics									
Analytical Method: EPA 624.1									
Pace Analytical Services - Ormond Beach									
cis-1,2-Dichloroethene	0.27 U	ug/L	1.0	0.27	1		02/09/24 14:36	156-59-2	N2
trans-1,2-Dichloroethene	0.23 U	ug/L	1.0	0.23	1		02/09/24 14:36	156-60-5	
1,2-Dichloropropane	0.23 U	ug/L	1.0	0.23	1		02/09/24 14:36	78-87-5	
cis-1,3-Dichloropropene	0.17 U	ug/L	1.0	0.17	1		02/09/24 14:36	10061-01-5	
trans-1,3-Dichloropropene	0.37 U	ug/L	1.0	0.37	1		02/09/24 14:36	10061-02-6	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/09/24 14:36	100-41-4	
Methylene Chloride	1.7 U	ug/L	5.0	1.7	1		02/09/24 14:36	75-09-2	
1,1,2,2-Tetrachloroethane	0.59 U	ug/L	1.0	0.59	1		02/09/24 14:36	79-34-5	
Tetrachloroethene	0.38 U	ug/L	1.0	0.38	1		02/09/24 14:36	127-18-4	
1,1,1-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/09/24 14:36	71-55-6	
1,1,2-Trichloroethane	0.30 U	ug/L	1.0	0.30	1		02/09/24 14:36	79-00-5	
Trichloroethene	0.36 U	ug/L	1.0	0.36	1		02/09/24 14:36	79-01-6	
Trichlorofluoromethane	0.72 U	ug/L	1.0	0.72	1		02/09/24 14:36	75-69-4	
Vinyl chloride	0.39 U	ug/L	1.0	0.39	1		02/09/24 14:36	75-01-4	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/09/24 14:36	1330-20-7	
m&p-Xylene	0.75 U	ug/L	4.0	0.75	1		02/09/24 14:36	179601-23-1	
o-Xylene	0.57 U	ug/L	1.0	0.57	1		02/09/24 14:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	130	%	60-140		1		02/09/24 14:36	460-00-4	
Toluene-d8 (S)	102	%	60-140		1		02/09/24 14:36	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%	60-140		1		02/09/24 14:36	2199-69-1	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Ormond Beach									
Bromochloromethane	0.37 U	ug/L	1.0	0.37	1		02/09/24 12:51	74-97-5	
2-Butanone (MEK)	6.7 U	ug/L	50.0	6.7	1		02/09/24 12:51	78-93-3	
Carbon disulfide	1.8 U	ug/L	10.0	1.8	1		02/09/24 12:51	75-15-0	
Dibromomethane	0.68 U	ug/L	2.0	0.68	1		02/09/24 12:51	74-95-3	
trans-1,4-Dichloro-2-butene	2.5 U	ug/L	10.0	2.5	1		02/09/24 12:51	110-57-6	
2-Hexanone	6.6 U	ug/L	25.0	6.6	1		02/09/24 12:51	591-78-6	
Iodomethane	3.6 U	ug/L	10.0	3.6	1		02/09/24 12:51	74-88-4	
4-Methyl-2-pentanone (MIBK)	7.5 U	ug/L	25.0	7.5	1		02/09/24 12:51	108-10-1	
Styrene	0.26 U	ug/L	1.0	0.26	1		02/09/24 12:51	100-42-5	
1,1,1,2-Tetrachloroethane	0.32 U	ug/L	1.0	0.32	1		02/09/24 12:51	630-20-6	
1,2,3-Trichloropropane	0.53 U	ug/L	2.0	0.53	1		02/09/24 12:51	96-18-4	
Vinyl acetate	1.8 U	ug/L	10.0	1.8	1		02/09/24 12:51	108-05-4	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		02/09/24 12:51	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		02/09/24 12:51	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		02/09/24 12:51	2199-69-1	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Ormond Beach									
Alkalinity, Total as CaCO3	5.0 U	mg/L	5.0	5.0	1		02/14/24 11:59		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

Sample: FIELD BLANK 02/08/24		Lab ID: 35859229003		Collected: 02/08/24 07:40		Received: 02/08/24 12:45		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	5.0 U	mg/L	5.0	5.0	1		02/13/24 21:03		
2540D Total Suspended Solids		Analytical Method: SM 2540D Pace Analytical Services - Ormond Beach							
Total Suspended Solids	5.0 U	mg/L	5.0	5.0	1		02/13/24 18:35		PP
5210B BOD, 5 day		Analytical Method: SM 5210B Pace Analytical Services - Ormond Beach							
BOD, 5 day	2.0 U	mg/L	2.0	2.0	1	02/09/24 16:23	02/14/24 18:22		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	2.5 U	mg/L	5.0	2.5	1		02/10/24 03:18	16887-00-6	
350.1 Ammonia		Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach							
Nitrogen, Ammonia	0.035 U	mg/L	0.050	0.035	1		02/09/24 20:22	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach							
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		02/09/24 18:01	14797-55-8	
5310B TOC		Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach							
Total Organic Carbon	0.50 U	mg/L	1.0	0.50	1		02/11/24 09:52	7440-44-0	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

QC Batch: 832772 Analysis Method: EPA 1664B
QC Batch Method: EPA 1664B Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 35859229002, 35859229003

METHOD BLANK: 4303624 Matrix: Water

Associated Lab Samples: 35859229002, 35859229003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Oil and Grease	mg/L	1.1 U	5.0	1.1	02/16/24 15:18	

LABORATORY CONTROL SAMPLE: 4303625

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	32.3	81	78-114	

MATRIX SPIKE SAMPLE: 4303626

Parameter	Units	92712827001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	5.2	38.5	36.2	81	78-114	

SAMPLE DUPLICATE: 4303627

Parameter	Units	92712830001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	4.2 I		30	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

QC Batch:	988688	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229001

METHOD BLANK: 5436288 Matrix: Water
Associated Lab Samples: 35859229001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.14 U	0.20	0.14	02/14/24 14:08	

LABORATORY CONTROL SAMPLE: 5436289

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.8	90	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5436290 5436291

Parameter	Units	35856025002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.14 U	2	2	2.3	2.4	114	118	70-130	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5436292 5436293

Parameter	Units	35859669004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.14 U	2	2	2.3	2.4	116	120	70-130	3	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

QC Batch:	988987	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229003

METHOD BLANK: 5438301 Matrix: Water

Associated Lab Samples: 35859229003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.14 U	0.20	0.14	02/15/24 11:01	

LABORATORY CONTROL SAMPLE: 5438302

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.1	106	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5438303 5438304

Parameter	Units	20304779001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2	2	2.1	2.1	104	105	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5438305 5438306

Parameter	Units	35858001005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.14 U	2	2	2.0	2.2	98	106	70-130	7	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

QC Batch:	988348	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 MET
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229001, 35859229003

METHOD BLANK: 5435116 Matrix: Water

Associated Lab Samples: 35859229001, 35859229003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	5.5 U	15.0	5.5	02/13/24 08:32	
Arsenic	ug/L	3.4 U	10.0	3.4	02/13/24 08:32	
Barium	ug/L	0.84 U	10.0	0.84	02/13/24 08:32	
Beryllium	ug/L	0.17 U	4.0	0.17	02/13/24 08:32	
Cadmium	ug/L	0.33 U	1.0	0.33	02/13/24 08:32	
Chromium	ug/L	1.7 U	5.0	1.7	02/13/24 08:32	
Cobalt	ug/L	0.96 U	10.0	0.96	02/13/24 08:32	
Copper	ug/L	2.6 U	5.0	2.6	02/13/24 08:32	
Iron	ug/L	25.0 U	40.0	25.0	02/13/24 08:32	
Lead	ug/L	2.1 U	10.0	2.1	02/13/24 08:32	
Nickel	ug/L	1.0 U	5.0	1.0	02/13/24 08:32	
Selenium	ug/L	3.9 U	15.0	3.9	02/13/24 08:32	
Silver	ug/L	1.0 U	5.0	1.0	02/13/24 08:32	
Sodium	mg/L	0.54 U	2.0	0.54	02/13/24 08:32	
Vanadium	ug/L	1.0 U	10.0	1.0	02/13/24 08:32	
Zinc	ug/L	11.0 U	20.0	11.0	02/13/24 08:32	

LABORATORY CONTROL SAMPLE: 5435117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	250	257	103	85-115	
Arsenic	ug/L	250	246	99	85-115	
Barium	ug/L	250	280	112	85-115	
Beryllium	ug/L	25	25.6	102	85-115	
Cadmium	ug/L	25	25.4	102	85-115	
Chromium	ug/L	250	258	103	85-115	
Cobalt	ug/L	250	258	103	85-115	
Copper	ug/L	250	267	107	85-115	
Iron	ug/L	2500	2630	105	85-115	
Lead	ug/L	250	261	104	85-115	
Nickel	ug/L	250	260	104	85-115	
Selenium	ug/L	250	255	102	85-115	
Silver	ug/L	25	25.9	103	85-115	
Sodium	mg/L	12.5	13.0	104	85-115	
Vanadium	ug/L	250	261	104	85-115	
Zinc	ug/L	1250	1250	100	85-115	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5435120 5435121												
Parameter	Units	35859409001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.0055 U mg/L	250	250	258	256	103	102	70-130	1	20	
Arsenic	ug/L	0.0034 U mg/L	250	250	252	251	100	100	70-130	1	20	
Barium	ug/L	0.039 mg/L	250	250	309	302	108	105	70-130	2	20	
Beryllium	ug/L	0.00017 U mg/L	25	25	26.3	26.0	105	104	70-130	1	20	
Cadmium	ug/L	0.00033 U mg/L	25	25	25.7	25.3	103	101	70-130	1	20	
Chromium	ug/L	0.0017 U mg/L	250	250	261	256	104	102	70-130	2	20	
Cobalt	ug/L	0.00096 U mg/L	250	250	258	256	103	102	70-130	1	20	
Copper	ug/L	0.0044 I mg/L	250	250	269	264	106	104	70-130	2	20	
Iron	ug/L	0.050 mg/L	2500	2500	2680	2650	105	104	70-130	1	20	
Lead	ug/L	0.0021 U mg/L	250	250	258	255	103	102	70-130	1	20	
Nickel	ug/L	0.0030 I mg/L	250	250	263	260	104	103	70-130	1	20	
Selenium	ug/L	0.0039 U mg/L	250	250	258	256	102	102	70-130	1	20	
Silver	ug/L	0.0010 U mg/L	25	25	26.4	26.1	106	104	70-130	1	20	
Sodium	mg/L	91.4	12.5	12.5	112	113	164	176	70-130	1	20	J(M1)
Vanadium	ug/L	0.0010 U mg/L	250	250	263	260	105	104	70-130	1	20	
Zinc	ug/L	0.078 mg/L	1250	1250	1340	1330	101	100	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5435125 5435126												
Parameter	Units	35857788002	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike	Spike								
Antimony	ug/L	5.5 U	250	250	255	256	102	102	70-130	0	20	
Arsenic	ug/L	3.4 U	250	250	247	248	98	99	70-130	1	20	
Barium	ug/L	16.7	250	250	287	281	108	106	70-130	2	20	
Beryllium	ug/L	0.17 U	25	25	25.8	25.8	103	103	70-130	0	20	
Cadmium	ug/L	0.33 U	25	25	25.5	25.4	102	102	70-130	1	20	
Chromium	ug/L	0.0023 I mg/L	250	250	258	258	102	102	70-130	0	20	
Cobalt	ug/L	3.5 I	250	250	261	261	103	103	70-130	0	20	
Copper	ug/L	0.0050 mg/L	250	250	268	267	105	105	70-130	0	20	
Iron	ug/L	339	2500	2500	2960	2920	105	103	70-130	1	20	
Lead	ug/L	2.1 U	250	250	259	259	104	104	70-130	0	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
5435125					5435126							
Parameter	Units	35857788002	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike	Spike								
Nickel	ug/L	0.0027 I mg/L	250	250	263	262	104	104	70-130	0	20	
Selenium	ug/L	3.9 U	250	250	255	256	102	102	70-130	1	20	
Silver	ug/L	1.0 U	25	25	25.6	25.8	101	102	70-130	1	20	
Sodium	mg/L	36600 ug/L	12.5	12.5	50.8	49.6	114	104	70-130	2	20	
Vanadium	ug/L	2.5 I	250	250	262	261	104	103	70-130	1	20	
Zinc	ug/L	0.011 U mg/L	1250	1250	1260	1260	101	100	70-130	0	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

QC Batch:	988349	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229001, 35859229003

METHOD BLANK: 5435133 Matrix: Water

Associated Lab Samples: 35859229001, 35859229003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Thallium	ug/L	0.11 U	1.0	0.11	02/12/24 18:16	

LABORATORY CONTROL SAMPLE: 5435134

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	50	48.5	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5435135 5435136

Parameter	Units	35859229001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Thallium	ug/L	0.11 U	50	50	43.5	42.9	87	86	70-130	1	20	J(IS)

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

QC Batch:	987851	Analysis Method:	EPA 624.1
QC Batch Method:	EPA 624.1	Analysis Description:	624.1 MSV
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229002, 35859229003

METHOD BLANK: 5432201 Matrix: Water

Associated Lab Samples: 35859229002, 35859229003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	02/09/24 11:13	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	02/09/24 11:13	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	02/09/24 11:13	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	02/09/24 11:13	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	02/09/24 11:13	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	02/09/24 11:13	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	02/09/24 11:13	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	02/09/24 11:13	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	02/09/24 11:13	
2-Chloroethylvinyl ether	ug/L	6.1 U	40.0	6.1	02/09/24 11:13	
Acetone	ug/L	8.7 U	25.0	8.7	02/09/24 11:13	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	02/09/24 11:13	
Benzene	ug/L	0.30 U	1.0	0.30	02/09/24 11:13	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	02/09/24 11:13	
Bromoform	ug/L	0.48 U	3.0	0.48	02/09/24 11:13	
Bromomethane	ug/L	3.9 U	10.0	3.9	02/09/24 11:13	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	02/09/24 11:13	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	02/09/24 11:13	
Chloroethane	ug/L	3.7 U	10.0	3.7	02/09/24 11:13	
Chloroform	ug/L	0.56 U	1.0	0.56	02/09/24 11:13	
Chloromethane	ug/L	0.43 U	1.0	0.43	02/09/24 11:13	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	02/09/24 11:13	N2
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	02/09/24 11:13	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	02/09/24 11:13	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	02/09/24 11:13	
m&p-Xylene	ug/L	0.75 U	4.0	0.75	02/09/24 11:13	
Methylene Chloride	ug/L	1.7 U	5.0	1.7	02/09/24 11:13	
o-Xylene	ug/L	0.57 U	1.0	0.57	02/09/24 11:13	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	02/09/24 11:13	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	02/09/24 11:13	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	02/09/24 11:13	
Trichloroethene	ug/L	0.36 U	1.0	0.36	02/09/24 11:13	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	02/09/24 11:13	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	02/09/24 11:13	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	02/09/24 11:13	
1,2-Dichlorobenzene-d4 (S)	%	99	60-140		02/09/24 11:13	
4-Bromofluorobenzene (S)	%	106	60-140		02/09/24 11:13	
Toluene-d8 (S)	%	104	60-140		02/09/24 11:13	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

LABORATORY CONTROL SAMPLE: 5432202

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	23.8	119	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.4	102	60-140	
1,1,2-Trichloroethane	ug/L	20	23.6	118	70-130	
1,1-Dichloroethane	ug/L	20	21.7	109	70-130	
1,1-Dichloroethene	ug/L	20	23.6	118	50-150	
1,2-Dichlorobenzene	ug/L	20	21.5	107	65-135	
1,2-Dichloroethane	ug/L	20	24.0	120	70-130	
1,2-Dichloropropane	ug/L	20	22.6	113	35-165	
1,4-Dichlorobenzene	ug/L	20	20.9	104	65-135	
2-Chloroethylvinyl ether	ug/L	100	101	101	10-225	
Acetone	ug/L	100	91.6	92	60-140	
Acrylonitrile	ug/L	100	108	108	60-140	
Benzene	ug/L	20	22.9	115	65-135	
Bromodichloromethane	ug/L	20	23.5	118	65-135	
Bromoform	ug/L	20	21.2	106	70-130	
Bromomethane	ug/L	20	21.4	107	15-185	
Carbon tetrachloride	ug/L	20	23.3	117	70-130	
Chlorobenzene	ug/L	20	23.6	118	65-135	
Chloroethane	ug/L	20	24.5	122	40-160	
Chloroform	ug/L	20	22.3	112	70-135	
Chloromethane	ug/L	20	27.1	135	10-205	
cis-1,2-Dichloroethene	ug/L	20	22.2	111	60-140	N2
cis-1,3-Dichloropropene	ug/L	20	23.0	115	25-175	
Dibromochloromethane	ug/L	20	23.2	116	70-135	
Ethylbenzene	ug/L	20	23.3	116	60-140	
m&p-Xylene	ug/L	40	44.8	112	60-140	
Methylene Chloride	ug/L	20	24.2	121	60-140	
o-Xylene	ug/L	20	23.0	115	60-140	
Tetrachloroethene	ug/L	20	23.3	117	70-130	
trans-1,2-Dichloroethene	ug/L	20	25.1	125	70-130	
trans-1,3-Dichloropropene	ug/L	20	22.8	114	50-150	
Trichloroethene	ug/L	20	23.0	115	65-135	
Trichlorofluoromethane	ug/L	20	25.2	126	50-150	
Vinyl chloride	ug/L	20	27.5	138	10-195	
Xylene (Total)	ug/L	60	67.7	113	60-140	
1,2-Dichlorobenzene-d4 (S)	%			100	60-140	
4-Bromofluorobenzene (S)	%			108	60-140	
Toluene-d8 (S)	%			98	60-140	

MATRIX SPIKE SAMPLE: 5432204

Parameter	Units	35858997002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	0.30 U	20	20.1	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	15.6	78	60-140	
1,1,2-Trichloroethane	ug/L	0.30 U	20	17.0	85	70-130	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

MATRIX SPIKE SAMPLE: 5432204		35858997002	Spike	MS	MS	% Rec	Qualifiers
Parameter	Units	Result	Conc.	Result	% Rec	Limits	
1,1-Dichloroethane	ug/L	0.34 U	20	19.8	99	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	19.6	98	50-150	
1,2-Dichlorobenzene	ug/L	0.60 U	20	15.5	78	65-135	
1,2-Dichloroethane	ug/L	0.27 U	20	18.4	92	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	19.2	96	35-165	
1,4-Dichlorobenzene	ug/L	0.28 U	20	15.3	76	65-135	
2-Chloroethylvinyl ether	ug/L	6.1 U	100	6.1 U	0	10-225	J(M1)
Acetone	ug/L	194	100	244	50	60-140	J(M1)
Acrylonitrile	ug/L	3.7 U	100	106	106	60-140	
Benzene	ug/L	0.30 U	20	19.0	95	65-135	
Bromodichloromethane	ug/L	1.39	20	19.9	93	65-135	
Bromoform	ug/L	0.48 U	20	14.9	75	70-130	
Bromomethane	ug/L	3.9 U	20	12.2	61	15-185	
Carbon tetrachloride	ug/L	0.44 U	20	18.9	94	70-130	
Chlorobenzene	ug/L	0.35 U	20	18.1	91	65-135	
Chloroethane	ug/L	3.7 U	20	23.5	117	40-160	
Chloroform	ug/L	5.44	20	23.1	88	70-135	
Chloromethane	ug/L	0.43 U	20	30.1	150	10-205	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	18.5	92	60-140	N2
cis-1,3-Dichloropropene	ug/L	0.17 U	20	17.1	86	25-175	
Dibromochloromethane	ug/L	0.45 U	20	17.9	90	70-135	
Ethylbenzene	ug/L	0.30 U	20	17.4	87	60-140	
m&p-Xylene	ug/L	0.75 U	40	33.5	84	60-140	
Methylene Chloride	ug/L	1.7 U	20	19.2	96	60-140	
o-Xylene	ug/L	0.57 U	20	16.8	84	60-140	
Tetrachloroethene	ug/L	0.38 U	20	16.4	82	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	18.8	94	70-130	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	16.4	82	50-150	
Trichloroethene	ug/L	0.36 U	20	18.5	92	65-135	
Trichlorofluoromethane	ug/L	0.72 U	20	24.6	123	50-150	
Vinyl chloride	ug/L	0.39 U	20	30.0	150	10-195	
Xylene (Total)	ug/L	2.1 U	60	50.3	84	60-140	
1,2-Dichlorobenzene-d4 (S)	%				98	60-140	
4-Bromofluorobenzene (S)	%				122	60-140	
Toluene-d8 (S)	%				100	60-140	

SAMPLE DUPLICATE: 5432203

Parameter	Units	35858997001	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1-Trichloroethane	ug/L	0.30 U	0.30 U		36	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	0.59 U		61	
1,1,2-Trichloroethane	ug/L	0.30 U	0.30 U		45	
1,1-Dichloroethane	ug/L	0.34 U	0.34 U		40	
1,1-Dichloroethene	ug/L	0.59 U	0.59 U		32	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		57	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

SAMPLE DUPLICATE: 5432203

Parameter	Units	35858997001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		49	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		55	
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		57	
2-Chloroethylvinyl ether	ug/L	6.1 U	6.1 U		71	
Acetone	ug/L	11.9 I	11.1 I		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		60	
Benzene	ug/L	0.30 U	0.30 U		61	
Bromodichloromethane	ug/L	1.85	1.6	12	56	
Bromoform	ug/L	0.48 U	0.48 U		42	
Bromomethane	ug/L	3.9 U	3.9 U		61	
Carbon tetrachloride	ug/L	0.44 U	0.44 U		41	
Chlorobenzene	ug/L	0.35 U	0.35 U		53	
Chloroethane	ug/L	3.7 U	3.7 U		78	
Chloroform	ug/L	2.87	2.6	8	54	
Chloromethane	ug/L	0.43 U	0.43 U		60	
cis-1,2-Dichloroethene	ug/L	0.27 U	0.27 U		40	N2
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		58	
Dibromochloromethane	ug/L	0.45 U	1.1 I		50	
Ethylbenzene	ug/L	0.30 U	0.30 U		63	
m&p-Xylene	ug/L	0.75 U	0.75 U		40	
Methylene Chloride	ug/L	1.7 U	1.7 U		28	
o-Xylene	ug/L	0.57 U	0.57 U		40	
Tetrachloroethene	ug/L	0.38 U	0.38 U		39	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		45	
trans-1,3-Dichloropropene	ug/L	0.37 U	0.37 U		86	
Trichloroethene	ug/L	0.36 U	0.36 U		48	
Trichlorofluoromethane	ug/L	0.72 U	0.72 U		84	
Vinyl chloride	ug/L	0.39 U	0.39 U		66	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	100	102			
4-Bromofluorobenzene (S)	%	129	130			
Toluene-d8 (S)	%	102	104			

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

QC Batch:	987844	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229002, 35859229003

METHOD BLANK: 5432187 Matrix: Water

Associated Lab Samples: 35859229002, 35859229003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	02/09/24 10:59	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	02/09/24 10:59	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	02/09/24 10:59	
2-Hexanone	ug/L	6.6 U	25.0	6.6	02/09/24 10:59	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	02/09/24 10:59	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	02/09/24 10:59	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	02/09/24 10:59	
Dibromomethane	ug/L	0.68 U	2.0	0.68	02/09/24 10:59	
Iodomethane	ug/L	3.6 U	10.0	3.6	02/09/24 10:59	
Styrene	ug/L	0.26 U	1.0	0.26	02/09/24 10:59	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	02/09/24 10:59	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	02/09/24 10:59	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130		02/09/24 10:59	
4-Bromofluorobenzene (S)	%	100	70-130		02/09/24 10:59	
Toluene-d8 (S)	%	99	70-130		02/09/24 10:59	

LABORATORY CONTROL SAMPLE: 5432188

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	22.3	111	70-130	
1,2,3-Trichloropropane	ug/L	20	20.2	101	62-127	
2-Butanone (MEK)	ug/L	100	100	100	47-143	
2-Hexanone	ug/L	100	113	113	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	114	114	57-132	
Bromochloromethane	ug/L	20	23.5	118	70-130	
Carbon disulfide	ug/L	20	22.5	112	60-141	
Dibromomethane	ug/L	20	22.6	113	70-130	
Iodomethane	ug/L	20	21.8	109	10-164	
Styrene	ug/L	20	23.1	115	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	17.5	88	42-129	
Vinyl acetate	ug/L	20	21.8	109	60-144	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			100	70-130	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

MATRIX SPIKE SAMPLE: 5432190		35859235005	Spike	MS	MS	% Rec	Qualifiers
Parameter	Units	Result	Conc.	Result	% Rec	Limits	
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	40	31.2	78	70-130	
1,2,3-Trichloropropane	ug/L	0.53 U	40	27.8	69	62-127	
2-Butanone (MEK)	ug/L	6.7 U	200	121	61	47-143	
2-Hexanone	ug/L	6.6 U	200	138	69	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	200	138	69	57-132	
Bromochloromethane	ug/L	0.37 U	40	33.1	83	70-130	
Carbon disulfide	ug/L	1.8 U	40	34.9	87	60-141	
Dibromomethane	ug/L	0.68 U	40	33.4	83	70-130	
Iodomethane	ug/L	3.6 U	40	27.3	68	10-164	
Styrene	ug/L	0.26 U	40	31.0	77	70-130	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	40	25.2	63	42-129	
Vinyl acetate	ug/L	1.8 U	40	31.4	78	60-144	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 5432189

Parameter	Units	35859235004	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	0.32 U		40	
1,2,3-Trichloropropane	ug/L	0.53 U	0.53 U		40	
2-Butanone (MEK)	ug/L	6.7 U	6.7 U		40	
2-Hexanone	ug/L	6.6 U	6.6 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	
Carbon disulfide	ug/L	1.8 U	1.8 U		40	
Dibromomethane	ug/L	0.68 U	0.68 U		40	
Iodomethane	ug/L	3.6 U	3.6 U		40	
Styrene	ug/L	0.26 U	0.26 U		40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
1,2-Dichlorobenzene-d4 (S)	%	103	102		40	
4-Bromofluorobenzene (S)	%	98	97		40	
Toluene-d8 (S)	%	99	98		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

QC Batch:	987821	Analysis Method:	EPA 504.1
QC Batch Method:	EPA 504.1	Analysis Description:	504 EDB DBCP
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229002, 35859229003

METHOD BLANK: 5432087 Matrix: Water

Associated Lab Samples: 35859229002, 35859229003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	02/10/24 00:44	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	02/10/24 00:44	

LABORATORY CONTROL SAMPLE: 5432088

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.27	109	70-130	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.27	109	70-130	

MATRIX SPIKE SAMPLE: 5432089

Parameter	Units	35859158001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	<0.0064	0.26	0.31	123	65-135	
1,2-Dibromoethane (EDB)	ug/L	<0.0075	0.26	0.28	111	65-135	

SAMPLE DUPLICATE: 5432090

Parameter	Units	35859159001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	<0.0065	0.0064 U		40	
1,2-Dibromoethane (EDB)	ug/L	<0.0076	0.0075 U		40	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

QC Batch:	987939	Analysis Method:	EPA 608.3
QC Batch Method:	EPA 608.3	Analysis Description:	608.3 GCS PCBs
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229002, 35859229003

METHOD BLANK: 5432785 Matrix: Water

Associated Lab Samples: 35859229002, 35859229003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	0.20 U	0.50	0.20	02/15/24 07:01	
PCB-1221 (Aroclor 1221)	ug/L	0.23 U	0.50	0.23	02/15/24 07:01	
PCB-1232 (Aroclor 1232)	ug/L	0.31 U	0.50	0.31	02/15/24 07:01	
PCB-1242 (Aroclor 1242)	ug/L	0.13 U	0.50	0.13	02/15/24 07:01	
PCB-1248 (Aroclor 1248)	ug/L	0.28 U	0.50	0.28	02/15/24 07:01	
PCB-1254 (Aroclor 1254)	ug/L	0.14 U	0.50	0.14	02/15/24 07:01	
PCB-1260 (Aroclor 1260)	ug/L	0.11 U	0.50	0.11	02/15/24 07:01	
Decachlorobiphenyl (S)	%	79	10-141		02/15/24 07:01	
Tetrachloro-m-xylene (S)	%	80	14-138		02/15/24 07:01	

LABORATORY CONTROL SAMPLE & LCSD: 5432786

5432797

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	2.5	2.3	2.5	93	100	50-140	7	36	
PCB-1260 (Aroclor 1260)	ug/L	2.5	2.7	2.9	108	115	8-140	7	38	
Decachlorobiphenyl (S)	%				82	93	10-141			
Tetrachloro-m-xylene (S)	%				76	78	14-138			

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

QC Batch:	987938	Analysis Method:	EPA 608.3
QC Batch Method:	EPA 608.3	Analysis Description:	608.3 GCS Pesticides
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229002, 35859229003

METHOD BLANK: 5432783 Matrix: Water

Associated Lab Samples: 35859229002, 35859229003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
4,4'-DDD	ug/L	0.0027 U	0.010	0.0027	02/11/24 20:27	
4,4'-DDE	ug/L	0.0050 U	0.010	0.0050	02/11/24 20:27	
4,4'-DDT	ug/L	0.0051 U	0.010	0.0051	02/11/24 20:27	
Aldrin	ug/L	0.0092 U	0.080	0.0092	02/11/24 20:27	
alpha-BHC	ug/L	0.0021 U	0.010	0.0021	02/11/24 20:27	
beta-BHC	ug/L	0.020 U	0.030	0.020	02/11/24 20:27	
Chlordane (Technical)	ug/L	0.25 U	0.50	0.25	02/11/24 20:27	
delta-BHC	ug/L	0.0099 U	0.010	0.0099	02/11/24 20:27	
Dieldrin	ug/L	0.0020 U	0.030	0.0020	02/11/24 20:27	
Endosulfan I	ug/L	0.0051 U	0.010	0.0051	02/11/24 20:27	
Endosulfan II	ug/L	0.0040 U	0.010	0.0040	02/11/24 20:27	
Endosulfan sulfate	ug/L	0.0027 U	0.10	0.0027	02/11/24 20:27	
Endrin	ug/L	0.0043 U	0.010	0.0043	02/11/24 20:27	
Endrin aldehyde	ug/L	0.0036 U	0.10	0.0036	02/11/24 20:27	
gamma-BHC (Lindane)	ug/L	0.0022 U	0.010	0.0022	02/11/24 20:27	
Heptachlor	ug/L	0.0062 U	0.010	0.0062	02/11/24 20:27	
Heptachlor epoxide	ug/L	0.0029 U	0.020	0.0029	02/11/24 20:27	
Toxaphene	ug/L	0.25 U	0.50	0.25	02/11/24 20:27	
Decachlorobiphenyl (S)	%	73	10-141		02/11/24 20:27	
Tetrachloro-m-xylene (S)	%	78	14-138		02/11/24 20:27	

LABORATORY CONTROL SAMPLE: 5432784

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	0.5	0.52	104	31-141	
4,4'-DDE	ug/L	0.5	0.51	102	30-145	
4,4'-DDT	ug/L	0.5	0.52	104	25-160	
Aldrin	ug/L	0.5	0.42	84	42-140	
alpha-BHC	ug/L	0.5	0.44	87	37-140	
beta-BHC	ug/L	0.5	0.47	94	17-147	
delta-BHC	ug/L	0.5	0.37	75	19-140	
Dieldrin	ug/L	0.5	0.51	103	36-146	
Endosulfan I	ug/L	0.5	0.51	102	45-153	
Endosulfan II	ug/L	0.5	0.50	101	10-202	
Endosulfan sulfate	ug/L	0.5	0.51	101	26-144	
Endrin	ug/L	0.5	0.51	102	30-147	
Endrin aldehyde	ug/L	0.5	0.52	104	60-140	
gamma-BHC (Lindane)	ug/L	0.5	0.45	91	32-140	
Heptachlor	ug/L	0.5	0.43	87	34-140	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

LABORATORY CONTROL SAMPLE: 5432784

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Heptachlor epoxide	ug/L	0.5	0.50	99	37-142	
Decachlorobiphenyl (S)	%			81	10-141	
Tetrachloro-m-xylene (S)	%			78	14-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5432805 5432806

Parameter	Units	35858903002	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits			
4,4'-DDD	ug/L	0.0026 U	0.48	0.48	0.44	0.41	91	86	31-141	5	39	
4,4'-DDE	ug/L	0.0047 U	0.48	0.48	0.39	0.38	81	78	30-145	3	35	
4,4'-DDT	ug/L	0.0048 U	0.48	0.48	0.37	0.34	76	71	25-160	6	42	
Aldrin	ug/L	0.0087 U	0.48	0.48	0.35	0.35	74	72	42-140	1	35	
alpha-BHC	ug/L	0.0020 U	0.48	0.48	0.49	0.50	103	103	37-140	1	36	
beta-BHC	ug/L	0.019 U	0.48	0.48	0.52	0.54	109	112	17-147	4	44	
delta-BHC	ug/L	0.0094 U	0.48	0.48	0.45	0.43	93	89	19-140	4	42	
Dieldrin	ug/L	0.013 I	0.48	0.48	0.45	0.43	91	87	36-146	4	49	
Endosulfan I	ug/L	0.0048 U	0.48	0.48	0.41	0.41	87	85	45-153	2	28	
Endosulfan II	ug/L	0.0038 U	0.48	0.48	0.43	0.42	89	88	10-202	1	53	
Endosulfan sulfate	ug/L	0.0026 U	0.48	0.48	0.46	0.45	96	94	26-144	1	38	
Endrin	ug/L	0.0041 U	0.48	0.48	0.48	0.44	100	92	30-147	8	48	
Endrin aldehyde	ug/L	0.0034 U	0.48	0.48	0.44	0.43	92	90	60-140	2	30	
gamma-BHC (Lindane)	ug/L	0.0021 U	0.48	0.48	0.46	0.46	95	96	32-140	1	39	
Heptachlor	ug/L	0.0059 U	0.48	0.48	0.55	0.48	116	99	34-140	15	43	
Heptachlor epoxide	ug/L	0.0027 U	0.48	0.48	0.48	0.45	100	93	37-142	7	26	
Decachlorobiphenyl (S)	%						68	64	10-141			
Tetrachloro-m-xylene (S)	%						106	116	14-138			

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

QC Batch:	988976	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229001, 35859229003

METHOD BLANK: 5438249 Matrix: Water
Associated Lab Samples: 35859229001, 35859229003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	5.0 U	5.0	5.0	02/14/24 09:51	

LABORATORY CONTROL SAMPLE: 5438250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	250	240	96	90-110	

SAMPLE DUPLICATE: 5438251

Parameter	Units	35858443001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	131	134	2	20	

SAMPLE DUPLICATE: 5438252

Parameter	Units	35857923003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	693	692	0	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

QC Batch:	988806	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229001, 35859229003

METHOD BLANK: 5436936 Matrix: Water
Associated Lab Samples: 35859229001, 35859229003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/13/24 21:03	

LABORATORY CONTROL SAMPLE: 5436937

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

SAMPLE DUPLICATE: 5436938

Parameter	Units	35859545001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1860	1980	6	10	

SAMPLE DUPLICATE: 5436939

Parameter	Units	35859546001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2900	3090	6	10	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

QC Batch:	988822	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229001, 35859229003

METHOD BLANK: 5437040 Matrix: Water

Associated Lab Samples: 35859229001, 35859229003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Suspended Solids	mg/L	5.0 U	5.0	5.0	02/13/24 18:35	

LABORATORY CONTROL SAMPLE: 5437041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	99.7	94.0	94	90-110	

SAMPLE DUPLICATE: 5437042

Parameter	Units	35859229001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	18.5	48.5	90	10	J(D6)

SAMPLE DUPLICATE: 5437043

Parameter	Units	35859229003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	5.0 U	5.0 U		10	PP

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

QC Batch: 987793

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229001

METHOD BLANK: 5431979

Matrix: Water

Associated Lab Samples: 35859229001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
BOD, 5 day	mg/L	2.0 U	2.0	2.0	02/14/24 10:22	

LABORATORY CONTROL SAMPLE: 5431981

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	194	98	85-115	

SAMPLE DUPLICATE: 5431982

Parameter	Units	35858876001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	116	110	5	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

QC Batch: 987937

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229003

METHOD BLANK: 5432779

Matrix: Water

Associated Lab Samples: 35859229003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
BOD, 5 day	mg/L	2.0 U	2.0	2.0	02/14/24 18:12	

LABORATORY CONTROL SAMPLE: 5432781

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	201	101	85-115	

SAMPLE DUPLICATE: 5432782

Parameter	Units	35859052001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	1190	1160	3	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

QC Batch:	987780	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229001, 35859229003

METHOD BLANK: 5431946 Matrix: Water

Associated Lab Samples: 35859229001, 35859229003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	02/10/24 02:14	

LABORATORY CONTROL SAMPLE: 5431947

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.8	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5434313 5434314

Parameter	Units	35859237001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	45.3	50	50	102	102	114	114	90-110	0	20	J(M1), L

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

QC Batch:	987970	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229001

METHOD BLANK: 5433034 Matrix: Water

Associated Lab Samples: 35859229001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	02/09/24 19:23	

LABORATORY CONTROL SAMPLE: 5433035

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5433037 5433036

Parameter	Units	35858910003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	1	1	1.1	1.1	106	105	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5433433 5433432

Parameter	Units	35859209008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	15.3	1	1	16.2	16.2	88	92	90-110	0	20 J(M1)	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

QC Batch:	987972	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229003

METHOD BLANK: 5433046 Matrix: Water

Associated Lab Samples: 35859229003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	02/09/24 20:19	

LABORATORY CONTROL SAMPLE: 5433047

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.0	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5433049 5433048

Parameter	Units	35859229003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	1.1	1.0	107	104	90-110	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5433050 5433051

Parameter	Units	35858046001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	5.9	1	1	6.8	6.8	98	96	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

QC Batch: 987959

Analysis Method: EPA 353.2

QC Batch Method: EPA 353.2

Analysis Description: 353.2 Nitrate + Nitrite, Unpres.

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229001, 35859229003

METHOD BLANK: 5432920

Matrix: Water

Associated Lab Samples: 35859229001, 35859229003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	02/09/24 17:54	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

QC Batch: 988106

Analysis Method: SM 5310B

QC Batch Method: SM 5310B

Analysis Description: 5310B TOC

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35859229002, 35859229003

METHOD BLANK: 5434253

Matrix: Water

Associated Lab Samples: 35859229002, 35859229003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	02/11/24 06:48	

LABORATORY CONTROL SAMPLE: 5434254

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	20	19.2	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5434255 5434256

Parameter	Units	92712130002 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	1.2	20	20	20.0	20.2	94	95	80-120	0	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: FDEP 1st Semiannual RRF Leacha
Pace Project No.: 35859229

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.
TNTC - Too Numerous To Count
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
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.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 987939

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

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 A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
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(IS) Estimated Value. The internal standard recovery associated with this result exceeds the lower control limit. The reported result should be considered an estimated value.
J(M1) Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
L Off-scale high. Actual value is known to be greater than value given.
N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
PP The mass of dried residue obtained did not meet the test method requirements based on volume used.
c3 Analysis of 2-chloroethyl vinyl ether was performed from a sample that was field preserved to pH < 2 with HCl. Acid preservation is not allowed for this parameter by the test method or for NPDES compliance per 40CFR Part 136.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1st Semiannual RRF Leacha

Pace Project No.: 35859229

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35859229002	GRAB				
35859229002	GRAB	EPA 1664B	832772		
35859229003	FIELD BLANK 02/08/24	EPA 1664B	832772		
35859229002	GRAB	EPA 504.1	987821	EPA 504.1	987999
35859229003	FIELD BLANK 02/08/24	EPA 504.1	987821	EPA 504.1	987999
35859229002	GRAB	EPA 608.3	987939	EPA 608.3	988490
35859229003	FIELD BLANK 02/08/24	EPA 608.3	987939	EPA 608.3	988490
35859229002	GRAB	EPA 608.3	987938	EPA 608.3	988461
35859229003	FIELD BLANK 02/08/24	EPA 608.3	987938	EPA 608.3	988461
35859229001	COMP	EPA 200.7	988348	EPA 200.7	988492
35859229003	FIELD BLANK 02/08/24	EPA 200.7	988348	EPA 200.7	988492
35859229001	COMP	EPA 200.8	988349	EPA 200.8	988493
35859229003	FIELD BLANK 02/08/24	EPA 200.8	988349	EPA 200.8	988493
35859229001	COMP	EPA 245.1	988688	EPA 245.1	988760
35859229003	FIELD BLANK 02/08/24	EPA 245.1	988987	EPA 245.1	989128
35859229002	GRAB	EPA 624.1	987851		
35859229003	FIELD BLANK 02/08/24	EPA 624.1	987851		
35859229002	GRAB	EPA 8260	987844		
35859229003	FIELD BLANK 02/08/24	EPA 8260	987844		
35859229001	COMP	SM 2320B	988976		
35859229003	FIELD BLANK 02/08/24	SM 2320B	988976		
35859229001	COMP	SM 2540C	988806		
35859229003	FIELD BLANK 02/08/24	SM 2540C	988806		
35859229001	COMP	SM 2540D	988822		
35859229003	FIELD BLANK 02/08/24	SM 2540D	988822		
35859229001	COMP	SM 5210B	987793	SM 5210B	988953
35859229003	FIELD BLANK 02/08/24	SM 5210B	987937	SM 5210B	988955
35859229001	COMP	EPA 300.0	987780		
35859229003	FIELD BLANK 02/08/24	EPA 300.0	987780		
35859229001	COMP	EPA 350.1	987970		
35859229003	FIELD BLANK 02/08/24	EPA 350.1	987972		
35859229001	COMP	EPA 353.2	987959		
35859229003	FIELD BLANK 02/08/24	EPA 353.2	987959		
35859229002	GRAB	SM 5310B	988106		
35859229003	FIELD BLANK 02/08/24	SM 5310B	988106		

REPORT OF LABORATORY ANALYSIS

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Pace® Location Requested (City/State):
Pace Analytical Pompano Beach
3610 Park Central Blvd North, Pompano Beach,
33064

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here

Company Name: Miami-Dade Department of Solid Waste Management Street Address: 2525 NW 62, Miami, FL 33147		Contact/Report To: Mario Porcelli Phone #: (305)592-1187 E-Mail: mario.porcelli@miamidade.gov Cc E-Mail:		Specify Container Size ** 225mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other		*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other		Lab Use Only Proj. Mgr: Rosy Guima ActNum / Client ID: Table #: Profile / Template: 3549 Prelog / Bottle Ord. ID: EZ 3055150 Sample Comment	
Customer Project #: FDEP 1st Semiannual RRF Leachate Project Name:		Invoice To: Mario Porcelli Invoice E-Mail: mario.porcelli@miamidade.gov Purchase Order # (if applicable): SW0000002055 Quote #:		Identify Container Preservative Type *** Analysis Requested					
Site Collection Info/Facility ID (as applicable):		County / State origin of sample(s): Florida Regulatory Program (DW, RCRA, etc.) as applicable: Reportable ☐ Yes ☐ No		Rush (Pre-approval required): ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ Other		DW PWSID # or WW Permit # as applicable:		Field Filtered (if applicable): ☐ Yes ☐ No	
Date Results Requested:		Date Results Requested:		Date Results Requested:		Date Results Requested:		Date Results Requested:	
Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)		Matrix *		Composite Start		Collected or Composite End		# Cont.	
Customer Sample ID		Comp / Grab		Date		Time		Res. Chlorine Results Units	
COMP		WT		2/7/24		730		1	
GRAB		WT		2/8/24		135		1	
FIELD BLANK		WT		2/8/24		740		2	
Additional Instructions from Pace*:		Collected By: Richard Flores (Printed Name) Signature: <i>[Signature]</i>		Customer Remarks / Special Conditions / Possible Hazards:		Total Phenols 420		TS & TSS	
Relinquished by/Company: (Signature) <i>[Signature]</i>		Date/Time: 2/8/24 1245		Tracking Number:		Date/Time: 2/8/24 1245		Delivered by: ☐ In-Person ☐ Courier	
Relinquished by/Company: (Signature) <i>[Signature]</i>		Date/Time: 2/8/24 1830		Received by/Company: (Signature) <i>[Signature]</i>		Date/Time:		Delivered by: ☐ FedEx ☐ UPS ☐ Other	
Relinquished by/Company: (Signature) <i>[Signature]</i>		Date/Time:		Received by/Company: (Signature) <i>[Signature]</i>		Date/Time:		Delivered by: ☐ FedEX ☐ UPS ☐ Other	
Relinquished by/Company: (Signature) <i>[Signature]</i>		Date/Time:		Received by/Company: (Signature) <i>[Signature]</i>		Date/Time:		Delivered by: ☐ FedEX ☐ UPS ☐ Other	

Field Sampling Log

Arrived on Site Date: _____ Time: _____ Departed Site Date: _____ Time: _____

Sampler's Signature [Signature] Sampler's Name Richard Piroes

CLIENT NAME: Mun: Dept of Solid Waste PROJECT NAME: BIR Leachate

CLIENT CONTACT: _____ SITE CONTACT: _____

SITE Location: 6990 NW 97 Ave

Ambient Conditions: clear

Brief Description of Field Activities: Grab

Field Equipment Used: YSI

Decon Procedures: Yes / No If Yes, Please Describe _____

Field Filtering: Yes / No If Yes, Please Describe _____

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

Physical Characteristics of Sample :

Sampling Method: GRAB _____ COMPOSITE _____ Grab/Composite ☒

QC Blanks: _____ Precleaned EQB _____ Field Cleaned EQB _____

Field Blanks _____ Trip Blanks _____ QC Samples: _____ Duplicate _____ Replicate Samples _____

Split Samples(explain)

[illegible]

Composite Sampling

Composite Sampling					
Compositor Set-up/Location	Date	Time	Timed/Flow	Flow Rate	# Samples/Hour
Manhole	2/7/24	730	15		
Compositor Breakdown	Date	Time	Hours Sampled		
Manhole	2/8/24	730	24		
Drive time to site:			Drive time back to Lab		

Other Notation's or Anomalies:

Pace

Sample Condition Upon Receipt Form (SCUR)

Project #
Project Manager:
Client:

WO#: 35859229

PM: RYG Due Date: 02/16/24
CLIENT: 36-MDSWM

Date and Initials of person:

Examining contents: 21

Label: /

Deliver: /

pH: /

Thermometer Used: T-414

Date: 2-8-24

Time: 2330

Initials: tn

State of Origin: _____

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 3.0 (Visual) +0.0 (Correction Factor) 3.0 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ 3.6 (Visual) _____ (Correction Factor) 3.6 (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ 3.9 (Visual) _____ (Correction Factor) 3.9 (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Recheck for OOT $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

Time: _____ Initials: _____

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

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

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # _____

Custody Seal Present: ☒ Yes ☐ No Seal properly placed and intact: ☒ Yes ☐ No

Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

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

Samples shorted to lab: ☐ Yes ☐ No (If yes, complete the following)

Shorted Date: _____

Shorted Time: _____

Bottle Quantity / Type: _____

Chain of Custody:	Present: ☒ Yes ☐ No Filled Out: ☒ Yes ☐ No ☐ N/A Sampler Name: ☒ Yes ☐ No ☐ N/A	
	Relinquished To Pace: ☐ Yes ☐ No ☐ N/A Sampling Date(s): ☒ Yes ☐ No ☐ N/A Sampling Time(s): ☒ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time.	☒ Yes ☐ No ☐ N/A	Comments:
Rush Turnaround Requested on COC.	☐ Yes ☒ No ☐ N/A	Comments:
Sufficient Volume.	☒ Yes ☐ No ☐ N/A	Comments:
Correct Containers Used.	☒ Yes ☐ No ☐ N/A	Comments:
Containers Intact.	☒ Yes ☐ No ☐ N/A	Comments:
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☒ Yes ☐ No ☐ N/A	Comments:
All containers needing acid / base preservation have been checked.	☒ Yes ☐ No ☐ N/A	Preservation Information Preservative: _____ Date: _____ Lot / Trace: _____ Time: _____ Amount added (mL): _____ Initials: _____
All containers needing preservation are found to be in compliance with EPA recommendation	☒ Yes ☐ No ☐ N/A	
Exceptions: Vials, Microbiology, O&G, PFAS		
Headspace in Volatile Vials? (>6mm):	☒ Yes ☐ No ☐ N/A	002 = 80F3(624.1) 30F3(8260) / 003 = 10F3(624.1)
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	

Comments / Resolutions (use back for additional comments):



Sample Condition Upon Receipt Form (SCUR)

Project #
Project Manager:
Client:

WO#: 35859229

PM: RYG Due Date: 02/16/24
CLIENT: 36-MDSWM

Date and Initials of person:

Examining contents:

Label:

Deliver:

pH:

Initials: GJ

Thermometer Used: T-398

Date: 02/08/2024

Time: 1245

State of Origin: ☐ For WV projects, all containers verified to $\pm 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 7.9 (Visual) -0.1 (Correction Factor) 7.8 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ 4.8 (Visual) (Correction Factor) 4.7 (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ 4.0 (Visual) (Correction Factor) 6.9 (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Recheck for OOT $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

Time: Initials:

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

Shipping Method: ☐ Standard Overnight ☐ First Overnight ☒ Priority Overnight ☐ Ground ☐ International Priority ☐ Other:

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal Present: ☒ Yes ☒ No Seal properly placed and intact: ☒ Yes ☒ No

Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other:

Samples shorted to lab: ☐ Yes ☐ No (If yes, complete the following)

Shorted Date:

Shorted Time:

Bottle Quantity / Type:

Chain of Custody:	Present: ☐ Yes ☐ No Filled Out: ☐ Yes ☐ No ☐ N/A Relinquished From Pace: ☐ Yes ☐ No ☐ N/A Sampler Name: ☐ Yes ☐ No ☐ N/A	
	Relinquished To Pace: ☐ Yes ☐ No ☐ N/A Sampling Date(s): ☐ Yes ☐ No ☐ N/A Sampling Time(s): ☐ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time.	☒ Yes ☐ No ☐ N/A	Comments:
Rush Turnaround Requested on COC.	☐ Yes ☒ No ☐ N/A	Comments:
Sufficient Volume.	☐ Yes ☒ No ☐ N/A	Comments:
Correct Containers Used.	☐ Yes ☐ No ☐ N/A	Comments:
Containers Intact.	☐ Yes ☐ No ☐ N/A	Comments:
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☐ Yes ☐ No ☐ N/A	Comments:
All containers needing acid / base preservation have been checked.	☐ Yes ☐ No ☐ N/A	Preservation Information Preservative: _____ Date: _____ Lot / Trace: _____ Time: _____ Amount added (mL): _____ Initials: _____
All containers needing preservation are found to be in compliance with EPA recommendation:	☐ Yes ☐ No ☐ N/A	
Exceptions: Vials, Microbiology, O&G, PFAS		
Headspace in Volatile Vials? (>6mm):	☐ Yes ☐ No ☐ N/A	
Inp Blank Present:	☐ Yes ☐ No ☐ N/A	

Comments / Resolutions (use back for additional comments):



March 04, 2024

Mario Porcelli
Miami-Dade Department of Solid Waste
Management
2525 NW 62
5th floor
Miami, FL 33147

RE: Project: FDEP 1ST SEMIANNUAL RRF LEACHA
Pace Project No.: 35862986

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on February 27, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Ormond Beach

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

Sincerely,

Rosy Guima
rossy.guima@pacelabs.com
954-582-4300
Project Manager

Enclosures

cc: Robert Graessel, Miami-Dade Department of Solid Waste
Management
Arelis Roman, Miami-Dade Department of Solid Waste
Management



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FDEP 1ST SEMIANNUAL RRF LEACHA

Pace Project No.: 35862986

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

California Certification# 3096

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

DoD-ANAB #:ADE-3199

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Maryland Certification: #346

Massachusetts Certification #: M-FL1264

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

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

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: FDEP 1ST SEMIANNUAL RRF LEACHA

Pace Project No.: 35862986

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35862986001	GRAB	Water	02/27/24 12:25	02/27/24 13:27
35862986002	FIELD BLANK	Water	02/27/24 12:30	02/27/24 13:27

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: FDEP 1ST SEMIANNUAL RRF LEACHA

Pace Project No.: 35862986

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35862986001	GRAB	EPA 420.4 Rev 1.0 1993	ARJ	1	PASI-A
35862986002	FIELD BLANK	EPA 420.4 Rev 1.0 1993	ARJ	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1ST SEMIANNUAL RRF LEACHA

Pace Project No.: 35862986

Sample: GRAB Lab ID: 35862986001 Collected: 02/27/24 12:25 Received: 02/27/24 13:27 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	6.85	Std. Units			1		02/27/24 12:25		
Field Temperature	29.0	deg C			1		02/27/24 12:25		
Field Specific Conductance	7514	umhos/cm			1		02/27/24 12:25		
Oxygen, Dissolved	0.77	mg/L			1		02/27/24 12:25	7782-44-7	
Turbidity	49.0	NTU			1		02/27/24 12:25		
420.4 Phenolics, Total									
Analytical Method: EPA 420.4 Rev 1.0 1993 Preparation Method: EPA 420.4 Rev 1.0 1993									
Pace Analytical Services - Asheville									
Phenolics, Total Recoverable	0.53	mg/L	0.16	0.061	8	03/02/24 11:39	03/02/24 14:05	64743-03-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1ST SEMIANNUAL RRF LEACHA
Pace Project No.: 35862986

Sample: FIELD BLANK		Lab ID: 35862986002		Collected: 02/27/24 12:30		Received: 02/27/24 13:27		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
420.4 Phenolics, Total		Analytical Method: EPA 420.4 Rev 1.0 1993 Preparation Method: EPA 420.4 Rev 1.0 1993 Pace Analytical Services - Asheville							
Phenolics, Total Recoverable	0.0076 U	mg/L	0.020	0.0076	1	03/02/24 11:39	03/02/24 13:59	64743-03-9	

REPORT OF LABORATORY ANALYSIS



QUALITY CONTROL DATA

Project: FDEP 1ST SEMIANNUAL RRF LEACHA

Pace Project No.: 35862986

QC Batch: 836243

Analysis Method: EPA 420.4 Rev 1.0 1993

QC Batch Method: EPA 420.4 Rev 1.0 1993

Analysis Description: 420.4 Phenolics

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 35862986001, 35862986002

METHOD BLANK: 4320013

Matrix: Water

Associated Lab Samples: 35862986001, 35862986002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phenolics, Total Recoverable	mg/L	0.0076 U	0.020	0.0076	03/02/24 13:34	

LABORATORY CONTROL SAMPLE: 4320014

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	mg/L	0.05	0.050	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4320015 4320016

Parameter	Units	92714411002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phenolics, Total Recoverable	mg/L	ND	0.05	0.05	0.050	0.045	100	91	90-110	10	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4320017 4320018

Parameter	Units	35862059001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phenolics, Total Recoverable	mg/L	0.0076 U	0.05	0.05	0.050	0.049	91	90	90-110	1	10	

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

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QUALIFIERS

Project: FDEP 1ST SEMIANNUAL RRF LEACHA
Pace Project No.: 35862986

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.
TNTC - Too Numerous To Count
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
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.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

U Compound was analyzed for but not detected.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1ST SEMIANNUAL RRF LEACHA
Pace Project No.: 35862986

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35862986001	GRAB				
35862986001	GRAB	EPA 420.4 Rev 1.0 1993	836243	EPA 420.4 Rev 1.0 1993	836371
35862986002	FIELD BLANK	EPA 420.4 Rev 1.0 1993	836243	EPA 420.4 Rev 1.0 1993	836371

REPORT OF LABORATORY ANALYSIS

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

[illegible]

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at <https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/>

Field Sampling Log

Arrived on Site Date: 2/27/24 Time: 12:25 Departed Site Date: _____ Time: _____
Sampler's Signature [Signature] Sampler's Name Terrence mond
CLIENT NAME: Miami-Dade Department of Solid PROJECT NAME: FDEP 1st Semiamual RRF Leachate
CLIENT CONTACT: Yanett Rodriguez SITE CONTACT: Yanett Rodriguez
SITE Location: 6990 NW 47th Ave, Doral, FL 33178
Ambient Conditions: Sunny
Brief Description of Field Activities: Collect grab sample
Field Equipment Used: YSI, Turbidity
Decon Procedures: Yes / No If Yes. Please Describe _____

Field Filtering: Yes / No If Yes. Please Describe _____

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

Physical Characteristics of Sample :

Sampling Method: GRAB ✓ COMPOSITE _____ Grab/Composite _____

QC Blanks: _____ Precleaned EQB _____ Field Cleaned EQB _____
Field Blanks _____ Trip Blanks _____ QC Samples: _____ Duplicate _____ Replicate Samples _____
Split Samples(explain) _____

Sampling Location	Date and Time	CL/ORP	Appearance	Odor	pH	Temp °C	Conductivity	DO	Turbidity
Grab	2/27/24 1225				6.85	29.0	7514	15.77	49.0
Field Blank	1230								

Composite Sampling

Compositor Set-up/Location	Date	Time	Timed/Flow	Flow Rate	# Samples/Hour
Compositor Breakdown	Date	Time	Hours Sampled		
Drive time to site:			Drive time back to Lab		

Other Notation's or Anomalies: _____

Sample Condition Upon Receipt Form (SCUR)

Project #
Project Manager:
Client:

WO#: 35862986

PM: RYG Due Date: 03/06/24
CLIENT: 36-MDSWM

Date and Initials of person:

Examining contents:

Label:

Deliver:

pH:

Thermometer Used: T-398

Date: 02/27/2024

Time: 1327

Initials: GJ

State of Origin: 37 ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp. °C (Visual) -0.1 (Correction Factor) 3.6 (Actual)

Cooler #2 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #3 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #4 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #5 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. °C (Visual) (Correction Factor) (Actual)

Recheck for OOT °C (Visual) (Correction Factor) (Actual)

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

Time: Initials:

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

Shipping Method: ☐ Standard Overnight ☐ First Overnight ☒ Priority Overnight ☐ Ground ☐ International Priority ☐ Other:

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal Present: ☒ Yes ☐ No Seal properly placed and intact: ☒ Yes ☐ No

Ice: ☐ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

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

Samples shorted to lab: ☐ Yes ☒ No If yes, complete the following

Shorted Date: 2-27-24

Shorted Time: 1327

Bottle Quantity / Type:

Chain of Custody:	Present ☐ Yes ☐ No Filled Out: ☐ Yes ☐ No ☐ N/A Relinquished From Pace: ☐ Yes ☐ No ☐ N/A Sampler Name: ☐ Yes ☐ No ☐ N/A	
	Relinquished To Pace: ☐ Yes ☐ No ☐ N/A Sampling Date(s): ☐ Yes ☐ No ☐ N/A Sampling Time(s): ☐ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time.	☐ Yes ☐ No ☐ N/A	Comments:
Rush Turnaround Requested on COC	☐ Yes ☐ No ☐ N/A	Comments: 48hr
Sufficient Volume.	☐ Yes ☐ No ☐ N/A	Comments:
Correct Containers Used.	☐ Yes ☐ No ☐ N/A	Comments:
Containers Intact.	☐ Yes ☐ No ☐ N/A	Comments:
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☐ Yes ☐ No ☐ N/A	Comments:
All containers needing acid / base preservation have been checked.	☐ Yes ☐ No ☐ N/A	Preservation Information Preservative: _____ Date: _____ Lot / Trace: _____ Time: _____ Amount added (mL): _____ Initials: _____
All containers needing preservation are found to be in compliance with EPA recommendation:	☐ Yes ☐ No ☐ N/A	
Exceptions: Vials, Microbiology, O&G, PFAS		
Headspace in Volatile Vials? (>6mm):	☐ Yes ☐ No ☐ N/A	
Trip Blank Present:	☐ Yes ☐ No ☐ N/A	

Comments / Resolutions (use back for additional comments):



February 12, 2024

Mario Porcelli
Miami-Dade Department of Solid Waste
Management
2525 NW 62
5th floor
Miami, FL 33147

RE: Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856710

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on January 29, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach

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

Sincerely,

Rossy Guima
rossy.guima@pacelabs.com
954-582-4300
Project Manager

Enclosures

cc: Robert Graessel, Miami-Dade Department of Solid Waste
Management
Arellys Roman, Miami-Dade Department of Solid Waste
Management



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CERTIFICATIONS

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856710

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
California Certification# 3096
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
DoD-ANAB #:ADE-3199
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
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
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856710

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35856710001	M4 (60)	Water	01/29/24 09:42	01/29/24 13:20
35856710002	M4 (30)	Water	01/29/24 10:02	01/29/24 13:20
35856710003	M4 (15)	Water	01/29/24 10:14	01/29/24 13:20
35856710004	M3 (70)	Water	01/29/24 11:18	01/29/24 13:20
35856710005	M3 (50)	Water	01/29/24 11:56	01/29/24 13:20
35856710006	M3 (30)	Water	01/29/24 12:17	01/29/24 13:20
35856710007	M3 (30) DUPLICATE	Water	01/29/24 12:19	01/29/24 13:20
35856710008	EQ Blank 012924	Water	01/29/24 12:23	01/29/24 13:20

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856710

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35856710001	M4 (60)	EPA 6010	AAM1	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856710002	M4 (30)	EPA 6010	KC2	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856710003	M4 (15)	EPA 6010	AME	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856710004	M3 (70)	EPA 6010	AME	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856710005	M3 (50)	EPA 6010	AME	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856710006	M3 (30)	EPA 6010	AME	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856710007	M3 (30) DUPLICATE	EPA 6010	AME	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856710008	EQ Blank 012924	EPA 6010	AME	1	PASI-O
		SM 2540C	HDV	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856710

Sample: M4 (60) Lab ID: 35856710001 Collected: 01/29/24 09:42 Received: 01/29/24 13:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	6.88	Std. Units			1		01/29/24 09:42		
Field Temperature	25.3	deg C			1		01/29/24 09:42		
Field Specific Conductance	839	umhos/cm			1		01/29/24 09:42		
Oxygen, Dissolved	0.06	mg/L			1		01/29/24 09:42	7782-44-7	
Turbidity	12.8	NTU			1		01/29/24 09:42		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	1050	ug/L	40.0	25.0	1	01/30/24 04:57	02/03/24 16:01	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	401	mg/L	5.0	5.0	1		02/04/24 16:16		

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856710

Sample: M4 (30) Lab ID: 35856710002 Collected: 01/29/24 10:02 Received: 01/29/24 13:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	6.91	Std. Units			1		01/29/24 10:02		
Field Temperature	25.5	deg C			1		01/29/24 10:02		
Field Specific Conductance	854	umhos/cm			1		01/29/24 10:02		
Oxygen, Dissolved	0.04	mg/L			1		01/29/24 10:02	7782-44-7	
Turbidity	7.31	NTU			1		01/29/24 10:02		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	2130	ug/L	40.0	25.0	1	01/30/24 04:24	02/01/24 00:41	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	384	mg/L	5.0	5.0	1		02/04/24 16:16		

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856710

Sample: M4 (15) Lab ID: 35856710003 Collected: 01/29/24 10:14 Received: 01/29/24 13:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	6.57	Std. Units			1		01/29/24 10:14		
Field Temperature	25.1	deg C			1		01/29/24 10:14		
Field Specific Conductance	1148	umhos/cm			1		01/29/24 10:14		
Oxygen, Dissolved	0.06	mg/L			1		01/29/24 10:14	7782-44-7	
Turbidity	13.9	NTU			1		01/29/24 10:14		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	12700	ug/L	40.0	25.0	1	01/30/24 04:24	01/31/24 21:32	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	459	mg/L	5.0	5.0	1		02/04/24 16:16		

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856710

Sample: M3 (70) Lab ID: 35856710004 Collected: 01/29/24 11:18 Received: 01/29/24 13:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	6.93	Std. Units			1		01/29/24 11:18		
Field Temperature	25.0	deg C			1		01/29/24 11:18		
Field Specific Conductance	951	umhos/cm			1		01/29/24 11:18		
Oxygen, Dissolved	0.02	mg/L			1		01/29/24 11:18	7782-44-7	
Turbidity	5.64	NTU			1		01/29/24 11:18		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	2880	ug/L	40.0	25.0	1	01/30/24 04:24	01/31/24 21:36	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	459	mg/L	5.0	5.0	1		02/04/24 17:48		

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856710

Sample: M3 (50) Lab ID: 35856710005 Collected: 01/29/24 11:56 Received: 01/29/24 13:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	6.96	Std. Units			1		01/29/24 11:56		
Field Temperature	25.3	deg C			1		01/29/24 11:56		
Field Specific Conductance	813	umhos/cm			1		01/29/24 11:56		
Oxygen, Dissolved	0.02	mg/L			1		01/29/24 11:56	7782-44-7	
Turbidity	9.41	NTU			1		01/29/24 11:56		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	1140	ug/L	40.0	25.0	1	01/30/24 04:24	01/31/24 21:48	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	415	mg/L	5.0	5.0	1		02/04/24 17:48		

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856710

Sample: M3 (30) Lab ID: 35856710006 Collected: 01/29/24 12:17 Received: 01/29/24 13:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	6.88	Std. Units			1		01/29/24 12:17		
Field Temperature	25.2	deg C			1		01/29/24 12:17		
Field Specific Conductance	1055	umhos/cm			1		01/29/24 12:17		
Oxygen, Dissolved	0.05	mg/L			1		01/29/24 12:17	7782-44-7	
Turbidity	8.4	NTU			1		01/29/24 12:17		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	2210	ug/L	40.0	25.0	1	01/30/24 04:24	01/31/24 21:59	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	442	mg/L	5.0	5.0	1		02/04/24 20:45		

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856710

Sample: M3 (30) DUPLICATE Lab ID: 35856710007 Collected: 01/29/24 12:19 Received: 01/29/24 13:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	6.88	Std. Units			1		01/29/24 12:19		
Field Temperature	25.2	deg C			1		01/29/24 12:19		
Field Specific Conductance	1055	umhos/cm			1		01/29/24 12:19		
Oxygen, Dissolved	0.05	mg/L			1		01/29/24 12:19	7782-44-7	
Turbidity	8.4	NTU			1		01/29/24 12:19		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	2240	ug/L	40.0	25.0	1	01/30/24 04:24	01/31/24 22:03	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	456	mg/L	5.0	5.0	1		02/04/24 20:45		

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856710

Sample: EQ Blank 012924		Lab ID: 35856710008		Collected: 01/29/24 12:23		Received: 01/29/24 13:20		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Iron	25.0 U	ug/L	40.0	25.0	1	01/30/24 04:24	01/31/24 22:06	7439-89-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	10.0	mg/L	5.0	5.0	1		02/04/24 20:45		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856710

QC Batch:	984876	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856710002, 35856710003, 35856710004, 35856710005, 35856710006, 35856710007, 35856710008

METHOD BLANK: 5416736 Matrix: Water
Associated Lab Samples: 35856710002, 35856710003, 35856710004, 35856710005, 35856710006, 35856710007, 35856710008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron	ug/L	25.0 U	40.0	25.0	01/31/24 12:12	

LABORATORY CONTROL SAMPLE: 5416737

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2500	2590	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5416738 5416739

Parameter	Units	35856506001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	7440	2500	2500	9840	10200	96	109	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856710

QC Batch:	984879	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856710001

METHOD BLANK: 5416745 Matrix: Water

Associated Lab Samples: 35856710001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron	ug/L	25.0 U	40.0	25.0	02/03/24 14:51	

LABORATORY CONTROL SAMPLE: 5416746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2500	2540	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5416747 5416748

Parameter	Units	35856704001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	38.7 I	2500	2500	2550	2620	101	103	75-125	3	20	

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

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856710

QC Batch:	986364	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856710001, 35856710002, 35856710003

METHOD BLANK: 5424370 Matrix: Water
Associated Lab Samples: 35856710001, 35856710002, 35856710003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/04/24 16:16	

LABORATORY CONTROL SAMPLE: 5424371

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

SAMPLE DUPLICATE: 5424372

Parameter	Units	35856572001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	926	930	0	10	

SAMPLE DUPLICATE: 5424373

Parameter	Units	35856678001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	504	516	2	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856710

QC Batch:	986365	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856710004, 35856710005

METHOD BLANK: 5424374 Matrix: Water
Associated Lab Samples: 35856710004, 35856710005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/04/24 17:48	

LABORATORY CONTROL SAMPLE: 5424375

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

SAMPLE DUPLICATE: 5424376

Parameter	Units	35856704005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	259	279	7	10	

SAMPLE DUPLICATE: 5424377

Parameter	Units	35857285001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3890	3710	5	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856710

QC Batch:	986366	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856710006, 35856710007, 35856710008

METHOD BLANK: 5424378 Matrix: Water
Associated Lab Samples: 35856710006, 35856710007, 35856710008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/04/24 20:45	

LABORATORY CONTROL SAMPLE: 5424379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	305	102	90-110	

SAMPLE DUPLICATE: 5424380

Parameter	Units	35857279001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	956	952	0	10	

SAMPLE DUPLICATE: 5424381

Parameter	Units	35857279002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	366	386	5	10	

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

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QUALIFIERS

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856710

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.
TNTC - Too Numerous To Count
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
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.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856710

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35856710001	M4 (60)				
35856710002	M4 (30)				
35856710003	M4 (15)				
35856710004	M3 (70)				
35856710005	M3 (50)				
35856710006	M3 (30)				
35856710007	M3 (30) DUPLICATE				
35856710001	M4 (60)	EPA 3010	984879	EPA 6010	984948
35856710002	M4 (30)	EPA 3010	984876	EPA 6010	984954
35856710003	M4 (15)	EPA 3010	984876	EPA 6010	984954
35856710004	M3 (70)	EPA 3010	984876	EPA 6010	984954
35856710005	M3 (50)	EPA 3010	984876	EPA 6010	984954
35856710006	M3 (30)	EPA 3010	984876	EPA 6010	984954
35856710007	M3 (30) DUPLICATE	EPA 3010	984876	EPA 6010	984954
35856710008	EQ Blank 012924	EPA 3010	984876	EPA 6010	984954
35856710001	M4 (60)	SM 2540C	986364		
35856710002	M4 (30)	SM 2540C	986364		
35856710003	M4 (15)	SM 2540C	986364		
35856710004	M3 (70)	SM 2540C	986365		
35856710005	M3 (50)	SM 2540C	986365		
35856710006	M3 (30)	SM 2540C	986366		
35856710007	M3 (30) DUPLICATE	SM 2540C	986366		
35856710008	EQ Blank 012924	SM 2540C	986366		

REPORT OF LABORATORY ANALYSIS

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Document Name:
Groundwater Sampling Log
Document No.:
F-FL-C-021 rev.00

Document Revised:
December 03, 2012
Issuing Authority:
Pace Florida Quality Office

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Semiannual SBth SI</u>		SITE LOCATION: <u>8785 NW 58th St</u>	
WELL NO: <u>44(60)</u>	SAMPLE ID: <u>04(60)</u>	DATE: <u>1/29/24</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1/4"</u>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: <u>PP</u>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) <u>= 60.0</u> feet - <u>15.4</u> feet X <u>0.16</u> gallons/foot = <u>7.13</u> 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): <u>20.0</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>20.0</u>	PURGING INITIATED AT: <u>900</u>	PURGING ENDED AT: <u>941</u>	TOTAL VOLUME PURGED (gallons): <u>11.07</u>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μ mhos/cm or μ S/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
923	7.29	7.29	0.27	15.4	6.89	25.4	841	0.8/0.07	9.11	clear	Mild
934	1.89	9.18	1	1	6.89	25.3	839	0.8/0.07	12.9	1	1
941	1.89	11.07	1	1	6.89	25.3	839	0.8/0.06	12.8	1	1
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Richard Flores / Pace</u>				SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>			SAMPLING INITIATED AT: <u>942</u>	SAMPLING ENDED AT: <u>943</u>	
PUMP OR TUBING DEPTH IN WELL (feet): <u>20.0</u>				TUBING MATERIAL CODE: <u>LDPE-S</u>			FIELD-FILTERED: Y <u>(N)</u> Filtration Equipment Type: <u>(N)</u>	FILTER SIZE: _____ μ m	
FIELD DECONTAMINATION: PUMP Y <u>(N)</u>				TUBING Y <u>(N)</u> (replaced)				DUPLICATE: Y <u>(N)</u>	
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			
<u>04(60)</u>	<u>1</u>	<u>PE</u>	<u>250mL</u>	<u>COOL</u>	<u>0</u>	<u>6.89</u>	<u>TDS</u>	<u>APP</u>	<u>300</u>
	<u>1</u>	<u>PE</u>	<u>250mL</u>	<u>HNO3</u>	<u>1</u>	<u><2</u>	<u>6010 IRON</u>	<u>1</u>	<u>1</u>
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: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table ES-2200-28 optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Serimampal South St</u>		SITE LOCATION: <u>8785 NW 50th St</u>	
WELL NO: <u>M4(30)</u>	SAMPLE ID: <u>M4(30)</u>	DATE: <u>1/29/24</u>	

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): 1/4"		WELL SCREEN INTERVAL DEPTH: feet to feet		STATIC DEPTH TO WATER (feet): 14.8		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) = (30.0 feet - 14.8 feet) x 0.16 gallons/foot = 2.43 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): 20.0		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 20.0		PURGING INITIATED AT: 9:45		PURGING ENDED AT: 10:01		TOTAL VOLUME PURGED (gallons): 4.32			
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)
955	2.7	2.7	0.27	14.8	6.91	25.4	852	0.5/10.04	5.02	clear	mild
958	0.01	2.51	↓	↓	6.91	25.4	852	0.5/10.04	5.86	↓	↓
1001	0.81	4.32	↓	↓	6.91	25.5	854	0.5/10.04	7.31	↓	↓
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Riviera Plaza / Pico</i>		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			FIELD INITIATED AT: <i>1002</i>		SAMPLING ENDED AT: <i>1003</i>		
PUMP OR TUBING DEPTH IN WELL (feet): <i>20.0</i>		TUBING MATERIAL CODE: <i>LDPE-S</i>			FIELD-FILTERED: Y ☒ N		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP Y ☒ TUBING Y ☒ (replaced)						DUPLICATE: Y ☒			
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			
<i>GJ4(50)</i>	<i>1</i>	<i>PE</i>	<i>250mL</i>	<i>Cool</i>	<i>0</i>	<i>6.81</i>	<i>TDS</i>	<i>APP</i>	<i>300</i>
	<i>1</i>	<i>PE</i>	<i>750mL</i>	<i>JARS</i>	<i>1</i>	<i><2</i>	<i>COO IRON</i>	<i>1</i>	<i>1</i>
REMARKS:									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

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

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater) Page 22 of 28

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Seniemoal 58th St</u>		SITE LOCATION: <u>8785 NW 58th St</u>	
WELL NO: <u>AA4 (15)</u>	SAMPLE ID: <u>W4 (15)</u>	DATE: <u>1/29/24</u>	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) & AFFILIATION: <i>Richard Flores / Pace</i>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: <i>1010</i>		SAMPLING ENDED AT: <i>1015</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>16.0</i>				TUBING MATERIAL CODE: <i>LOPE-S</i>			FIELD-FILTERED: Y <i>(N)</i> Filtration Equipment Type:		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y <i>(N)</i> TUBING Y <i>(N)</i> (replaced)							DUPLICATE: Y <i>(N)</i>			
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				
<i>U4(US)</i>	<i>1</i>	<i>PE</i>	<i>250ML</i>	<i>Cool</i>	<i>0</i>	<i>6.57</i>	<i>TDS</i>	<i>APP</i>	<i>300</i>	
	<i>1</i>	<i>PE</i>	<i>250ML</i>	<i>HNO3</i>	<i>1</i>	<i>6.2</i>	<i>GOLD IRON</i>	<i>f</i>	<i>1</i>	
REMARKS:										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify).										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

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

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

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

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: 58th St		SITE LOCATION: 8705 NW 58th St	
WELL NO: M3(70)	SAMPLE ID: M3(70)	DATE: 1/29/24	

PURGING DATA

WELL DIAMETER (inches):		TUBING DIAMETER (inches):		WELL SCREEN INTERVAL DEPTH: feet to feet		STATIC DEPTH TO WATER (feet):		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) = (70.0 feet – 18.11 feet) x 0.16 gallons/foot = 8.30 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): 25.0			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25.0			PURGING INITIATED AT: 1030		PURGING ENDED AT: 1117		TOTAL VOLUME PURGED (gallons): 12.69	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1101	8.37	8.37	0.27	18.11	6.93	24.9	948	0.2 / 0.02	6.24	clear	Mild
1109	2.16	10.53	I	I	6.93	25.0	950	0.3 / 0.02	7.55	I	I
1117	2.16	12.69	I	I	6.93	25.0	951	0.3 / 0.02	5.64	I	I
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: Richard Rott/Muc		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>		SAMPLING INITIATED AT: 1118		SAMPLING ENDED AT: 1119			
PUMP OR TUBING DEPTH IN WELL (feet): 250		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			
H37107	1	PC	250mL	Cool	0	6.93	TDS	APP	300
	1	PC	250mL	HNO ₃	1	6.2	GOLD IRON	L	L
REMARKS:									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

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

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

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: 58th St		SITE LOCATION: 8705 NW 58th St	
WELL NO: M3(SO)	SAMPLE ID: M3(SO)	DATE: 1/24/24	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT:	SAMPLING ENDED AT:	
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE:	FIELD-FILTERED: Y		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP Y				TUBING Y		Filtration Equipment Type:			
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			
H3(SO)	1	PE	250 mL	Cool	0	6.96	TDS	APP	300
	1	PE	250 mL	HNO ₃	1	<2	G0101RDN	L	1
REMARKS:									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

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

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

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: 58th St		SITE LOCATION: 8705 NW 58th St	
WELL NO: M3(30)	SAMPLE ID: M3(30)	DATE: 1/24/24	

PURGING DATA

PURGING DATA											
WELL DIAMETER (inches):		TUBING DIAMETER (inches):		WELL SCREEN INTERVAL DEPTH: feet to feet		STATIC DEPTH TO WATER (feet):		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) = (30.0 feet - 18.17 feet) X 0.16 gallons/foot = 1.89 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 23.0		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 23.0		PURGING INITIATED AT: 1205		PURGING ENDED AT: 1216		TOTAL VOLUME PURGED (gallons):			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1212	1.89	1.89	0.27	18.17	6.89	25.3	1056	0.7/0.06	12.3	clear	mild
1214	0.54	2.43	↓	↓	6.88	25.3	1057	0.6/0.05	9.14	↓	↓
1216	0.54	2.97	↓	↓	6.88	25.2	1055	0.6/0.05	8.4	↓	↓
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 = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT:	SAMPLING ENDED AT:	
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE:	FIELD-FILTERED: Y N		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			
A3(30)	1	PE	250mL	Cool	0	6.88	TDS	APP	300
	1	PE	250mL	HNO ₃	↓	~2	GOLD IRON	L	↓
REMARKS:									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

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

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

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

Sample Condition Upon Receipt Form (SCUR)

Project #
Project Manager:
Client:

WO#: 35856710

PM: RYG Due Date: 02/12/24
CLIENT: 36-MDSWM

Date and Initials of person:

Examining contents:

Label:

Deliver:

pH:

Initials:

Thermometer Used: T-408

Date: 1/29/24

Time: 2220

Initials: AES

State of Origin:

☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp. °C 4.9 (Visual) 0 (Correction Factor) 4.9 (Actual)

Cooler #2 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #3 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #4 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #5 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. °C (Visual) (Correction Factor) (Actual)

Recheck for OOT °C (Visual) (Correction Factor) (Actual)

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

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

Time: Initials:

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

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal Present: ☐ Yes ☒ No Seal properly placed and intact: ☐ Yes ☒ No

Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other:

Samples shorted to lab: ☐ Yes ☒ No (If yes, complete the following)

Shorted Date:

Shorted Time:

Bottle Quantity / Type:

Chain of Custody:	Present: ☒ Yes ☐ No Filled Out: ☒ Yes ☐ No ☐ N/A Sampler Name: ☒ Yes ☐ No ☐ N/A	
	Relinquished To Pace: ☒ Yes ☐ No ☐ N/A Sampling Date(s): ☒ Yes ☐ No ☐ N/A Sampling Time(s): ☒ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time.	☒ Yes ☐ No ☐ N/A	Comments:
Rush Turnaround Requested on COC.	☐ Yes ☒ No ☐ N/A	Comments:
Sufficient Volume.	☒ Yes ☐ No ☐ N/A	Comments:
Correct Containers Used.	☒ Yes ☐ No ☐ N/A	Comments:
Containers Intact.	☒ Yes ☐ No ☐ N/A	Comments:
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☐ Yes ☒ No ☐ N/A	Comments: EQ = Blank label
All containers needing acid / base preservation have been checked.	☒ Yes ☐ No ☐ N/A	Preservation Information Preservative: _____ Date: _____ Lot / Trace: _____ Time: _____ Amount added (mL): _____ Initials: _____
All containers needing preservation are found to be in compliance with EPA recommendation.	☒ Yes ☐ No ☐ N/A	
Exceptions: Vials, Microbiology, O&G, PFAS		
Headspace in Volatile Vials? (>6mm)	☐ Yes ☐ No ☒ N/A	
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	

Comments / Resolutions (use back for additional comments):



Sample Condition Upon Receipt Form (SCUR)

Project #

Project Manager:

Client:

WO#: 35856710

PM: RYG

Due Date: 02/12/24

CLIENT: 36-MDSWM

Date and Initials of person:

Examining contents: _____

Label: _____

Deliver: _____

pH: _____

Thermometer Used: T-398

Date: 01/29/2024

Time: 1320

Initials: EJ

State of Origin: _____ ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp. °C 4.2 (Visual) -0.1 (Correction Factor) 4.1 (Actual)

Cooler #2 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Recheck for OOT °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

Time: _____ Initials: _____

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

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

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # _____

Custody Seal Present: ☐ Yes ☒ No Seal properly placed and intact: ☐ Yes ☒ No

Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

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

Samples shorted to lab: ☐ Yes ☐ No (If yes, complete the following)

Shorted Date: _____

Shorted Time: _____

Bottle Quantity / Type: _____

Chain of Custody:	Present: ☐ Yes ☐ No Filled Out: ☐ Yes ☐ No ☐ N/A Sampler Name: ☐ Yes ☐ No ☐ N/A		
	Relinquished To Pace: ☐ Yes ☐ No ☐ N/A Sampling Date(s): ☐ Yes ☐ No ☐ N/A Sampling Time(s): ☐ Yes ☐ No ☐ N/A		
Samples Arrived within Hold Time.	☒ Yes ☐ No ☐ N/A	Comments:	
Rush Turnaround Requested on COC.	☐ Yes ☒ No ☐ N/A	Comments:	
Sufficient Volume.	☐ Yes ☐ No ☐ N/A	Comments:	
Correct Containers Used.	☐ Yes ☐ No ☐ N/A	Comments:	
Containers Intact.	☐ Yes ☐ No ☐ N/A	Comments:	
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☐ Yes ☐ No ☐ N/A	Comments:	
All containers needing acid / base preservation have been checked.	☐ Yes ☐ No ☐ N/A	Preservation Information Preservative: _____ Date: _____ Lot / Trace: _____ Time: _____ Amount added (mL): _____ Initials: _____	
All containers needing preservation are found to be in compliance with EPA recommendation.	☐ Yes ☐ No ☐ N/A		
Exceptions: Vials, Microbiology, O&G, PFAS			
Headspace in Volatile Vials? (>6mm):	☐ Yes ☐ No ☐ N/A		
Trip Blank Present:	☐ Yes ☐ No ☐ N/A		

Comments / Resolutions (use back for additional comments):



February 12, 2024

Mario Porcelli
Miami-Dade Department of Solid Waste
Management
2525 NW 62
5th floor
Miami, FL 33147

RE: Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856711

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on January 29, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach

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

Sincerely,

Rossy Guima
rossy.guima@pacelabs.com
954-582-4300
Project Manager

Enclosures

cc: Robert Graessel, Miami-Dade Department of Solid Waste
Management
Arellys Roman, Miami-Dade Department of Solid Waste
Management



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856711

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
California Certification# 3096
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
DoD-ANAB #:ADE-3199
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
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
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856711

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35856711001	M14 (40)	Water	01/29/24 08:16	01/29/24 13:25
35856711002	M14 (40) DUPLICATE	Water	01/29/24 08:16	01/29/24 13:25
35856711003	M14 (20)	Water	01/29/24 08:50	01/29/24 13:25
35856711004	M12 (60)	Water	01/29/24 10:14	01/29/24 13:25
35856711005	M12 (20)	Water	01/29/24 10:46	01/29/24 13:25
35856711006	M13 (60)	Water	01/29/24 11:49	01/29/24 13:25
35856711007	M13 (20)	Water	01/29/24 12:21	01/29/24 13:25
35856711008	EQ Blank2 012924	Water	01/29/24 12:26	01/29/24 13:25

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856711

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35856711001	M14 (40)	EPA 6010	AME	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856711002	M14 (40) DUPLICATE	EPA 6010	AME	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856711003	M14 (20)	EPA 6010	AME	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856711004	M12 (60)	EPA 6010	AME	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856711005	M12 (20)	EPA 6010	AME	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856711006	M13 (60)	EPA 6010	AME	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856711007	M13 (20)	EPA 6010	AME	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856711008	EQ Blank2 012924	EPA 6010	AME	1	PASI-O
		SM 2540C	HDV	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856711

Sample: M14 (40)		Lab ID: 35856711001		Collected: 01/29/24 08:16		Received: 01/29/24 13:25		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	6.31	Std. Units			1		01/29/24 08:16		
Field Temperature	25.4	deg C			1		01/29/24 08:16		
Field Specific Conductance	1041	umhos/cm			1		01/29/24 08:16		
Oxygen, Dissolved	0.20	mg/L			1		01/29/24 08:16	7782-44-7	
Turbidity	0.76	NTU			1		01/29/24 08:16		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Iron	2220	ug/L	40.0	25.0	1	01/30/24 04:24	01/31/24 22:10	7439-89-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	495	mg/L	5.0	5.0	1		02/04/24 16:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856711

Sample: M14 (40) DUPLICATE Lab ID: 35856711002 Collected: 01/29/24 08:16 Received: 01/29/24 13:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	6.31	Std. Units			1		01/29/24 08:16		
Field Temperature	25.4	deg C			1		01/29/24 08:16		
Field Specific Conductance	1041	umhos/cm			1		01/29/24 08:16		
Oxygen, Dissolved	0.20	mg/L			1		01/29/24 08:16	7782-44-7	
Turbidity	0.76	NTU			1		01/29/24 08:16		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	2260	ug/L	40.0	25.0	1	01/30/24 04:24	01/31/24 22:14	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	504	mg/L	5.0	5.0	1		02/04/24 16:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856711

Sample: M14 (20) Lab ID: 35856711003 Collected: 01/29/24 08:50 Received: 01/29/24 13:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	6.25	Std. Units			1		01/29/24 08:50		
Field Temperature	25.2	deg C			1		01/29/24 08:50		
Field Specific Conductance	1016	umhos/cm			1		01/29/24 08:50		
Oxygen, Dissolved	0.14	mg/L			1		01/29/24 08:50	7782-44-7	
Turbidity	0.54	NTU			1		01/29/24 08:50		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	1330	ug/L	40.0	25.0	1	01/30/24 04:24	01/31/24 22:18	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	498	mg/L	5.0	5.0	1		02/04/24 16:16		

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856711

Sample: M12 (60)		Lab ID: 35856711004		Collected: 01/29/24 10:14		Received: 01/29/24 13:25		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	6.84	Std. Units			1		01/29/24 10:14		
Field Temperature	24.5	deg C			1		01/29/24 10:14		
Field Specific Conductance	280	umhos/cm			1		01/29/24 10:14		
Oxygen, Dissolved	0.22	mg/L			1		01/29/24 10:14	7782-44-7	
Turbidity	17.5	NTU			1		01/29/24 10:14		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Iron	776	ug/L	40.0	25.0	1	01/30/24 04:24	01/31/24 22:21	7439-89-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	365	mg/L	5.0	5.0	1		02/04/24 17:48		

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856711

Sample: M12 (20)		Lab ID: 35856711005		Collected: 01/29/24 10:46		Received: 01/29/24 13:25		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	6.48	Std. Units			1		01/29/24 10:46		
Field Temperature	24.7	deg C			1		01/29/24 10:46		
Field Specific Conductance	603	umhos/cm			1		01/29/24 10:46		
Oxygen, Dissolved	0.19	mg/L			1		01/29/24 10:46	7782-44-7	
Turbidity	4.69	NTU			1		01/29/24 10:46		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Iron	313	ug/L	40.0	25.0	1	01/30/24 04:24	01/31/24 22:25	7439-89-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	396	mg/L	5.0	5.0	1		02/04/24 17:48		

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856711

Sample: M13 (60)		Lab ID: 35856711006		Collected: 01/29/24 11:49		Received: 01/29/24 13:25		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	6.33	Std. Units			1		01/29/24 11:49		
Field Temperature	23.4	deg C			1		01/29/24 11:49		
Field Specific Conductance	835	umhos/cm			1		01/29/24 11:49		
Oxygen, Dissolved	0.21	mg/L			1		01/29/24 11:49	7782-44-7	
Turbidity	17.9	NTU			1		01/29/24 11:49		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Iron	1000	ug/L	40.0	25.0	1	01/30/24 04:24	01/31/24 22:29	7439-89-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	441	mg/L	5.0	5.0	1		02/04/24 17:48		

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856711

Sample: M13 (20)		Lab ID: 35856711007		Collected: 01/29/24 12:21		Received: 01/29/24 13:25		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method: Pace Analytical Services - Ormond Beach							
Field pH	6.30	Std. Units			1		01/29/24 12:21		
Field Temperature	23.0	deg C			1		01/29/24 12:21		
Field Specific Conductance	860	umhos/cm			1		01/29/24 12:21		
Oxygen, Dissolved	0.16	mg/L			1		01/29/24 12:21	7782-44-7	
Turbidity	1.26	NTU			1		01/29/24 12:21		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Iron	1230	ug/L	40.0	25.0	1	01/30/24 04:24	01/31/24 22:40	7439-89-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	452	mg/L	5.0	5.0	1		02/04/24 20:45		

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856711

Sample: EQ Blank2 012924		Lab ID: 35856711008		Collected: 01/29/24 12:26		Received: 01/29/24 13:25		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Iron	25.0 U	ug/L	40.0	25.0	1	01/30/24 04:24	01/31/24 22:44	7439-89-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	35.0	mg/L	5.0	5.0	1		02/04/24 20:45		

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856711

QC Batch:	984876	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35856711001, 35856711002, 35856711003, 35856711004, 35856711005, 35856711006, 35856711007, 35856711008		

METHOD BLANK:	5416736	Matrix:	Water
Associated Lab Samples:	35856711001, 35856711002, 35856711003, 35856711004, 35856711005, 35856711006, 35856711007, 35856711008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron	ug/L	25.0 U	40.0	25.0	01/31/24 12:12	

LABORATORY CONTROL SAMPLE: 5416737						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2500	2590	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5416738 5416739												
Parameter	Units	35856506001	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike Conc.	Spike Conc.								
Iron	ug/L	7440	2500	2500	9840	10200	96	109	75-125	3	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856711

QC Batch:	986364	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856711001, 35856711002, 35856711003

METHOD BLANK: 5424370 Matrix: Water
Associated Lab Samples: 35856711001, 35856711002, 35856711003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/04/24 16:16	

LABORATORY CONTROL SAMPLE: 5424371

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

SAMPLE DUPLICATE: 5424372

Parameter	Units	35856572001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	926	930	0	10	

SAMPLE DUPLICATE: 5424373

Parameter	Units	35856678001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	504	516	2	10	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856711

QC Batch:	986365	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856711004, 35856711005, 35856711006

METHOD BLANK: 5424374 Matrix: Water
Associated Lab Samples: 35856711004, 35856711005, 35856711006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/04/24 17:48	

LABORATORY CONTROL SAMPLE: 5424375

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

SAMPLE DUPLICATE: 5424376

Parameter	Units	35856704005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	259	279	7	10	

SAMPLE DUPLICATE: 5424377

Parameter	Units	35857285001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3890	3710	5	10	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856711

QC Batch:	986366	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856711007, 35856711008

METHOD BLANK: 5424378 Matrix: Water
Associated Lab Samples: 35856711007, 35856711008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/04/24 20:45	

LABORATORY CONTROL SAMPLE: 5424379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	305	102	90-110	

SAMPLE DUPLICATE: 5424380

Parameter	Units	35857279001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	956	952	0	10	

SAMPLE DUPLICATE: 5424381

Parameter	Units	35857279002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	366	386	5	10	

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

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QUALIFIERS

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856711

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.
TNTC - Too Numerous To Count
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
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.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

U Compound was analyzed for but not detected.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856711

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35856711001	M14 (40)				
35856711002	M14 (40) DUPLICATE				
35856711003	M14 (20)				
35856711004	M12 (60)				
35856711005	M12 (20)				
35856711006	M13 (60)				
35856711007	M13 (20)				
35856711001	M14 (40)	EPA 3010	984876	EPA 6010	984954
35856711002	M14 (40) DUPLICATE	EPA 3010	984876	EPA 6010	984954
35856711003	M14 (20)	EPA 3010	984876	EPA 6010	984954
35856711004	M12 (60)	EPA 3010	984876	EPA 6010	984954
35856711005	M12 (20)	EPA 3010	984876	EPA 6010	984954
35856711006	M13 (60)	EPA 3010	984876	EPA 6010	984954
35856711007	M13 (20)	EPA 3010	984876	EPA 6010	984954
35856711008	EQ Blank2 012924	EPA 3010	984876	EPA 6010	984954
35856711001	M14 (40)	SM 2540C	986364		
35856711002	M14 (40) DUPLICATE	SM 2540C	986364		
35856711003	M14 (20)	SM 2540C	986364		
35856711004	M12 (60)	SM 2540C	986365		
35856711005	M12 (20)	SM 2540C	986365		
35856711006	M13 (60)	SM 2540C	986365		
35856711007	M13 (20)	SM 2540C	986366		
35856711008	EQ Blank2 012924	SM 2540C	986366		

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name: Miami-Dade Department of Solid Waste Management
Street Address: 2525 NW 62 St, Miami, FL 33147

Contact/Report To: Yanett Rodriguez
Phone #:
E-Mail: yanett.rodriguez@miamidade.gov
Cc E-Mail:

Customer Project #:
Project Name: FDEP 1st Semiannual S8th

Invoice To: Yanett Rodriguez
Invoice E-Mail: yanett.rodriguez@miamidade.gov
Purchase Order # (if applicable): SW0000002055

Site Collection Info/Facility ID (as applicable):

Time Zone Collected: [] AK [] MT [] CT [] ET [] FL
Data Deliverables:

[] Level II [] Level III [] Level IV
[] EQUIS
[] Other

Rush (Pre-approval required):
[] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other

Date Results Requested:
Field Filtered (if applicable): [] Yes [] No
Analysis:
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SD), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Time	Collected or Composite End Date	Time	# Cont.	Res. Chlorine Results	Units
M114(40)			11/29/24	0816	2				
M114(40) (24p)				0816	2				
M114(20)				0850	2				
M112(60)				1014	2				
M112(20)				1046	2				
M113(60)				1149	2				
M113(20)				1221	2				
EQ Blank				1226	2				

Additional Instructions from Pace®:

Collected By: (Printed Name)
Signature: Terrence mord

Relinquished by/Company: (Signature) Date/Time: 11/29/24 1325	Received by/Company: (Signature) Date/Time: 11/29/24 1325
Relinquished by/Company: (Signature) Date/Time: 11/29/24 1800	Received by/Company: (Signature) Date/Time: 11/29/24 2203
Relinquished by/Company: (Signature)	Received by/Company: (Signature)
Relinquished by/Company: (Signature)	Received by/Company: (Signature)

Tracking Number:

Delivered by: [] In-Person [] Courier
[] FedEx [] UPS [] Other

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Department of solid waste		SITE LOCATION: 8785 NW 58th St, Doral, FL 33178	
WELL NO: M14(40)	SAMPLE ID: M14(40)	DATE: 11/29/24	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 2.58	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)

$$= (40.0 \text{ feet} - 2.58 \text{ feet}) \times 0.16 \text{ gallons/foot} = 5.9872 \text{ gallons}$$

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

$$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$$

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	4.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	4.5	PURGING INITIATED AT:	0739	PURGING ENDED AT:	0815	TOTAL VOLUME PURGED (gallons):	2.0

[illegible]

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Terrence morrell/pace</i>		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>		SAMPLING INITIATED AT: <i>0816</i>	SAMPLING ENDED AT: <i>0820</i>
PUMP OR TUBING		TUBING			

PUMP OR TUBING DEPTH IN WELL (feet):	4.5	TUBING MATERIAL CODE: LDPE/S	FIELD-FILTERED: Y <u>N</u> Filtration Equipment Type:	FILTER SIZE: _____ μm

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

[illegible]

REMARKS:

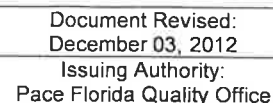
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

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

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

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

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



Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Department of solid waste		SITE LOCATION: 8785 NW 58th St, Doral, FL 33178	
WELL NO: M12(10)	SAMPLE ID: M12(10)	DATE: 1/29/24	

PURGING DATA

[illegible]

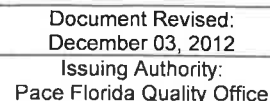
SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Terrence mond/pace</i>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: <i>10/14</i>		SAMPLING ENDED AT: <i>10/16</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>7.0</i>				TUBING MATERIAL CODE: <i>LDPES</i>			FIELD-FILTERED: Y ☒ N ☐		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				
<i>m12(60)</i>	<i>1</i>	<i>PE</i>	<i>250mL</i>	<i>HAKOS</i>	<i>0</i>	<i>~2</i>	<i>600 MET ICD: IRON TDS</i>	<i>APP</i>	<i>300</i>	
<i>L</i>	<i>1</i>	<i>PE</i>	<i>250mL</i>	<i>Cool</i>	<i>1</i>	<i>6.84</i>				
REMARKS:										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

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

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

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



Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Department of solid waste		SITE LOCATION: 8785 NW 58th St, Doral, FL 33178	
WELL NO: M13(40)	SAMPLE ID: M13(40)	DATE: 1/29/24	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Terrence mond/pore</i>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: <i>11/49</i>	SAMPLING ENDED AT: <i>1151</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>6.5</i>				TUBING MATERIAL CODE: <i>LDPES</i>			FIELD-FILTERED: Y ☒ N ☒		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			
<i>2013(60)</i>	<i>1</i>	<i>PE</i>	<i>250ml</i>	<i>HNU3</i>	<i>0</i>	<i>2.2</i>	<i>GOLD-MET ICP</i>	<i>ADP</i>	<i>300</i>
<i>1</i>	<i>1</i>	<i>PE</i>	<i>250ml</i>	<i>Cool</i>	<i>1</i>	<i>6.33</i>	<i>NDS</i>	<i>1</i>	<i>1</i>
REMARKS:									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

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

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Department of solid waste		SITE LOCATION: 8785 NW 58th St, Doral, FL 33178	
WELL NO: M13(20)	SAMPLE ID: M13(20)	DATE: 1/29/24	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.60	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)

$$= (20.0 \text{ feet} - 4.44 \text{ feet}) \times 0.16 \text{ gallons/foot} = 2.4544 \text{ gallons}$$

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

(Only fill out if applicable)

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	6.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	6.5	PURGING INITIATED AT:	1159	PURGING ENDED AT:	1220	TOTAL VOLUME PURGED (gallons):	4.2

[illegible]

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Terrence Mondipace</i>		SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>		SAMPLING INITIATED AT: <i>1221</i>	SAMPLING ENDED AT: <i>1223</i>
PUMP OR TUBING DEPTH IN WELL (feet): <i>6.5</i>		TUBING MATERIAL CODE: <i>LDPE15</i>		FIELD-FILTERED: Y ☒ N ☐	FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP Y ☒ N ☐		TUBING Y ☒ N (replaced) ☐		DUPLICATE: Y ☒ N ☐	

[illegible]

REMARKS:

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

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

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

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

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

Form FD 9000-24

PURGING DATA

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

(only fill out if applicable)

$$= 1 \text{ N/A}$$

feet - *N/A*

feet) X *N/A*

gallons/foot = gallons

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

(only fill out if applicable)

$$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$$

CLIMUL		DEPTH		COND		DISSOLVED	

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

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

SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION			

REMARKS:

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

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

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

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

Sample Condition Upon Receipt Form (SCUR)

Page

Project #
Project Manager:
Client:

WO#: 35856711

PM: RYG Due Date: 02/12/24
CLIENT: 36-MDSWM

Date and Initials of person:

Examining contents:

Label:

Deliver:

pH:

Initials:

Thermometer Used: T-408

Date: 1/29/24

Time: 221

Initials: AES

State of Origin:

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 1.8 (Visual) 0 (Correction Factor) 1.8 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Recheck for OOT $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

Time: Initials:

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

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

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal Present: ☐ Yes ☒ No Seal properly placed and intact: ☐ Yes ☒ No

Ice: ☐ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

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

Samples shorted to lab: ☐ Yes ☒ No (If yes, complete the following)

Shorted Date:

Shorted Time:

Bottle Quantity / Type:

Chain of Custody:	Present: ☒ Yes ☐ No Filled Out: ☒ Yes ☐ No ☐ N/A Sampler Name: ☒ Yes ☐ No ☐ N/A
	Relinquished To Pace: ☒ Yes ☐ No ☐ N/A Sampling Date(s): ☒ Yes ☐ No ☐ N/A Sampling Time(s): ☒ Yes ☐ No ☐ N/A
Samples Arrived within Hold Time.	☒ Yes ☐ No ☐ N/A Comments:
Rush Turnaround Requested on COC	☐ Yes ☒ No ☐ N/A Comments:
Sufficient Volume.	☒ Yes ☐ No ☐ N/A Comments:
Correct Containers Used.	☒ Yes ☐ No ☐ N/A Comments:
Containers Intact.	☒ Yes ☐ No ☐ N/A Comments:
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☒ Yes ☐ No ☐ N/A Comments:
All containers needing acid / base preservation have been checked.	☒ Yes ☐ No ☐ N/A
All containers needing preservation are found to be in compliance with EPA recommendation.	☒ Yes ☐ No ☐ N/A
Exceptions: Vials, Microbiology, O&G, PFAS	
Headspace in Volatile Vials? (>6mm):	☐ Yes ☐ No ☒ N/A
Trip Blank Present:	☐ Yes ☐ No ☒ N/A
Preservation Information	
Preservative:	Date:
Lot / Trace:	Time:
Amount added (mL):	Initials:

Comments / Resolutions (use back for additional comments):



Sample Condition Upon Receipt Form (SCUR)

Project #

Project Manager:

Client:

WO#: 35856711

PM: RYG

Due Date: 02/12/24

CLIENT: 36-MDSWM

Date and Initials of person:

Examining contents: _____

Label: _____

Deliver: _____

pH: _____

Initials: GJ

Thermometer Used: T-398

Date: 01/29/2024

Time: 1325

State of Origin: _____

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 2.0 (Visual) -0.1 (Correction Factor) 1.9 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Recheck for OOT $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

Time: _____ Initials: _____

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

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

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # _____

Custody Seal Present: ☐ Yes ☒ No Seal properly placed and intact: ☐ Yes ☒ No

Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

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

Samples shorted to lab: ☐ Yes ☐ No (If yes, complete the following)

Shorted Date: _____

Shorted Time: _____

Bottle Quantity / Type: _____

Chain of Custody:	Present: ☐ Yes ☐ No Filled Out: ☐ Yes ☐ No ☐ N/A Sampler Name: ☐ Yes ☐ No ☐ N/A										
	Relinquished To Pace: ☐ Yes ☐ No ☐ N/A Sampling Date(s): ☐ Yes ☐ No ☐ N/A Sampling Time(s): ☐ Yes ☐ No ☐ N/A										
Samples Arrived within Hold Time.	☒ Yes ☐ No ☐ N/A	Comments:									
Rush Turnaround Requested on COC.	☐ Yes ☒ No ☐ N/A	Comments:									
Sufficient Volume.	☐ Yes ☐ No ☐ N/A	Comments:									
Correct Containers Used.	☐ Yes ☐ No ☐ N/A	Comments:									
Containers Intact.	☐ Yes ☐ No ☐ N/A	Comments:									
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☐ Yes ☐ No ☐ N/A	Comments:									
All containers needing acid / base preservation have been checked.	☐ Yes ☐ No ☐ N/A	<table border="1"><thead><tr><th colspan="2">Preservation Information</th></tr></thead><tbody><tr><td>Preservative: _____</td><td>Date: _____</td></tr><tr><td>Lot / Trace: _____</td><td>Time: _____</td></tr><tr><td>Amount added (mL): _____</td><td>Initials: _____</td></tr></tbody></table>		Preservation Information		Preservative: _____	Date: _____	Lot / Trace: _____	Time: _____	Amount added (mL): _____	Initials: _____
Preservation Information											
Preservative: _____	Date: _____										
Lot / Trace: _____	Time: _____										
Amount added (mL): _____	Initials: _____										
All containers needing preservation are found to be in compliance with EPA recommendation:	☐ Yes ☐ No ☐ N/A										
Exceptions: Vials, Microbiology, O&G, PFAS											
Headspace in Volatile Vials? (>6mm):	☐ Yes ☐ No ☐ N/A										
Trip Blank Present:	☐ Yes ☐ No ☐ N/A										

Comments / Resolutions (use back for additional comments):



February 08, 2024

Mario Porcelli
Miami-Dade Department of Solid Waste
Management
2525 NW 62
5th floor
Miami, FL 33147

RE: Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856967

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on January 30, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach

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

Sincerely,

Rossy Guima
rossy.guima@pacelabs.com
954-582-4300
Project Manager

Enclosures

cc: Robert Graessel, Miami-Dade Department of Solid Waste
Management
Arellys Roman, Miami-Dade Department of Solid Waste
Management



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856967

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
California Certification# 3096
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
DoD-ANAB #:ADE-3199
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
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
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856967

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35856967001	M11 (30)	Water	01/30/24 08:09	01/30/24 15:14
35856967002	M11 (30) DUPLICATE	Water	01/30/24 08:09	01/30/24 15:14
35856967003	M11 (15)	Water	01/30/24 08:42	01/30/24 15:14
35856967004	M15 (60)	Water	01/30/24 09:51	01/30/24 15:14
35856967005	M15 (20)	Water	01/30/24 10:20	01/30/24 15:14
35856967006	EQ Blank1 01/30/24	Water	01/30/24 10:26	01/30/24 15:14

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856967

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35856967001	M11 (30)	EPA 6010	TMA	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856967002	M11 (30) DUPLICATE	EPA 6010	TMA	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856967003	M11 (15)	EPA 6010	TMA	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856967004	M15 (60)	EPA 6010	TMA	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856967005	M15 (20)	EPA 6010	TMA	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856967006	EQ Blank1 01/30/24	EPA 6010	TMA	1	PASI-O
		SM 2540C	HDV	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856967

Sample: M11 (30) Lab ID: 35856967001 Collected: 01/30/24 08:09 Received: 01/30/24 15:14 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	6.54	Std. Units			1		01/30/24 08:09		
Field Temperature	21.6	deg C			1		01/30/24 08:09		
Field Specific Conductance	934	umhos/cm			1		01/30/24 08:09		
Oxygen, Dissolved	0.20	mg/L			1		01/30/24 08:09	7782-44-7	
Turbidity	1.18	NTU			1		01/30/24 08:09		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	4470	ug/L	40.0	25.0	1	01/31/24 04:42	02/02/24 11:26	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	453	mg/L	5.0	5.0	1		02/05/24 16:34		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856967

Sample: **M11 (30) DUPLICATE** Lab ID: **35856967002** Collected: 01/30/24 08:09 Received: 01/30/24 15:14 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	6.54	Std. Units			1		01/30/24 08:09		
Field Temperature	21.6	deg C			1		01/30/24 08:09		
Field Specific Conductance	934	umhos/cm			1		01/30/24 08:09		
Oxygen, Dissolved	0.20	mg/L			1		01/30/24 08:09	7782-44-7	
Turbidity	1.18	NTU			1		01/30/24 08:09		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	4240	ug/L	40.0	25.0	1	01/31/24 04:42	02/02/24 11:47	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	450	mg/L	5.0	5.0	1		02/05/24 16:34		

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856967

Sample: M11 (15) Lab ID: 35856967003 Collected: 01/30/24 08:42 Received: 01/30/24 15:14 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	6.27	Std. Units			1		01/30/24 08:42		
Field Temperature	21.5	deg C			1		01/30/24 08:42		
Field Specific Conductance	954	umhos/cm			1		01/30/24 08:42		
Oxygen, Dissolved	0.18	mg/L			1		01/30/24 08:42	7782-44-7	
Turbidity	1.61	NTU			1		01/30/24 08:42		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	6130	ug/L	40.0	25.0	1	01/31/24 04:42	02/02/24 11:50	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	495	mg/L	5.0	5.0	1		02/05/24 16:34		

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856967

Sample: M15 (60) Lab ID: 35856967004 Collected: 01/30/24 09:51 Received: 01/30/24 15:14 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	6.25	Std. Units			1		01/30/24 09:51		
Field Temperature	24.3	deg C			1		01/30/24 09:51		
Field Specific Conductance	933	umhos/cm			1		01/30/24 09:51		
Oxygen, Dissolved	0.17	mg/L			1		01/30/24 09:51	7782-44-7	
Turbidity	1.71	NTU			1		01/30/24 09:51		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	1420	ug/L	40.0	25.0	1	01/31/24 04:42	02/02/24 11:53	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	454	mg/L	5.0	5.0	1		02/05/24 18:07		

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856967

Sample: M15 (20) Lab ID: 35856967005 Collected: 01/30/24 10:20 Received: 01/30/24 15:14 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	6.27	Std. Units			1		01/30/24 10:20		
Field Temperature	25.0	deg C			1		01/30/24 10:20		
Field Specific Conductance	946	umhos/cm			1		01/30/24 10:20		
Oxygen, Dissolved	0.19	mg/L			1		01/30/24 10:20	7782-44-7	
Turbidity	2.33	NTU			1		01/30/24 10:20		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	1570	ug/L	40.0	25.0	1	01/31/24 04:42	02/02/24 11:57	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	466	mg/L	5.0	5.0	1		02/05/24 18:07		

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856967

Sample: EQ Blank1 01/30/24		Lab ID: 35856967006		Collected: 01/30/24 10:26		Received: 01/30/24 15:14		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Iron	25.0 U	ug/L	40.0	25.0	1	01/31/24 04:42	02/02/24 12:00	7439-89-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	5.0 U	mg/L	5.0	5.0	1		02/05/24 18:07		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856967

QC Batch: 985221

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856967001, 35856967002, 35856967003, 35856967004, 35856967005, 35856967006

METHOD BLANK: 5418564

Matrix: Water

Associated Lab Samples: 35856967001, 35856967002, 35856967003, 35856967004, 35856967005, 35856967006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron	ug/L	25.0 U	40.0	25.0	02/02/24 11:19	

LABORATORY CONTROL SAMPLE: 5418565

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2500	2480	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5418566 5418567

Parameter	Units	35856967001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	4470	2500	2500	6770	6710	92	90	75-125	1	20	

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

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856967

QC Batch:	986581	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856967001, 35856967002, 35856967003

METHOD BLANK: 5425055 Matrix: Water
Associated Lab Samples: 35856967001, 35856967002, 35856967003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/05/24 16:34	

LABORATORY CONTROL SAMPLE: 5425056

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	315	105	90-110	

SAMPLE DUPLICATE: 5425057

Parameter	Units	35857054004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	290	253	14	10	J(D6)

SAMPLE DUPLICATE: 5425058

Parameter	Units	35857279005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1730	1680	3	10	

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

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856967

QC Batch:	986582	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856967004, 35856967005, 35856967006

METHOD BLANK: 5425065 Matrix: Water
Associated Lab Samples: 35856967004, 35856967005, 35856967006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/05/24 18:07	

LABORATORY CONTROL SAMPLE: 5425066

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	306	102	90-110	

SAMPLE DUPLICATE: 5425067

Parameter	Units	35856977003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	68.0	68.0	0	10	

SAMPLE DUPLICATE: 5425068

Parameter	Units	35857062001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	17.0	34.0	67	10	J(D6)

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

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QUALIFIERS

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856967

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.
TNTC - Too Numerous To Count
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
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.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856967

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35856967001	M11 (30)				
35856967002	M11 (30) DUPLICATE				
35856967003	M11 (15)				
35856967004	M15 (60)				
35856967005	M15 (20)				
35856967001	M11 (30)	EPA 3010	985221	EPA 6010	985255
35856967002	M11 (30) DUPLICATE	EPA 3010	985221	EPA 6010	985255
35856967003	M11 (15)	EPA 3010	985221	EPA 6010	985255
35856967004	M15 (60)	EPA 3010	985221	EPA 6010	985255
35856967005	M15 (20)	EPA 3010	985221	EPA 6010	985255
35856967006	EQ Blank1 01/30/24	EPA 3010	985221	EPA 6010	985255
35856967001	M11 (30)	SM 2540C	986581		
35856967002	M11 (30) DUPLICATE	SM 2540C	986581		
35856967003	M11 (15)	SM 2540C	986581		
35856967004	M15 (60)	SM 2540C	986582		
35856967005	M15 (20)	SM 2540C	986582		
35856967006	EQ Blank1 01/30/24	SM 2540C	986582		

REPORT OF LABORATORY ANALYSIS

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Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <i>Department of solid waste</i>		SITE LOCATION: <i>8785 NW 58th St, Doral, FL 33178</i>	
WELL NO: <i>M11(30)</i>	SAMPLE ID: <i>M11(30)</i>	DATE: <i>1/30/24</i>	

PURGING DATA

WELL DIAMETER (inches): <i>2"</i>	TUBING DIAMETER (inches): <i>1/4"</i>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <i>4.29</i>	PURGE PUMP TYPE OR BAILER: <i>PP</i>

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= *(30.0 feet - 4.29 feet) X 0.16 gallons/foot = 4.1136 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): <i>6.5</i>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <i>6.5</i>	PURGING INITIATED AT: <i>0741</i>	PURGING ENDED AT: <i>0808</i>	TOTAL VOLUME PURGED (gallons): <i>6.75</i>

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)
<i>0758</i>	<i>4.25</i>	<i>4.25</i>	<i>0.25</i>	<i>4.29</i>	<i>6.58</i>	<i>21.7</i>	<i>925</i>	<i>0.28/3.2%</i>	<i>1.20</i>	<i>yellow</i>	<i>mild</i>
<i>0803</i>	<i>1.25</i>	<i>5.5</i>	<i>1</i>	<i>1</i>	<i>6.56</i>	<i>21.9</i>	<i>932</i>	<i>0.23/2.6%</i>	<i>1.02</i>	<i>1</i>	<i>1</i>
<i>0808</i>	<i>1.25</i>	<i>6.75</i>	<i>1</i>	<i>1</i>	<i>6.54</i>	<i>21.6</i>	<i>934</i>	<i>0.24/2.3%</i>	<i>1.18</i>	<i>1</i>	<i>1</i>

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Terrence mond/pace</i>	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: <i>0809</i>	SAMPLING ENDED AT: <i>0813</i>

PUMP OR TUBING DEPTH IN WELL (feet): <i>6.5</i>	TUBING MATERIAL CODE: <i>LOPEIS</i>	FIELD-FILTERED: Y ☒ N ☐	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			
<i>M11(30)</i>	<i>2</i>	<i>PE</i>	<i>250mL</i>	<i>HNO3</i>	<i>0</i>	<i>6.2</i>	<i>6010 METRIC: EPCN</i>	<i>APP</i>	<i>300</i>
<i>1</i>	<i>2</i>	<i>PE</i>	<i>250mL</i>	<i>COOL</i>	<i>1</i>	<i>6.54</i>	<i>FDS</i>	<i>1</i>	<i>1</i>

REMARKS:

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

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

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

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

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Department of solid waste		SITE LOCATION: 8785 NW 58th St, Doral, FL 33178	
WELL NO: 1411(15)	SAMPLE ID: 1411(15)	DATE: 1/30/24	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.43	PURGE PUMP TYPE OR BAILER: HP

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

$$= (15.0 \text{ feet} - 4.63 \text{ feet}) \times 0.16 \text{ gallons/foot} = 1.6592 \text{ gallons}$$

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

(only fill out if applicable)

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
6.5	6.5	0823	0841	2.7

[illegible]

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" = 0.0025; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Terrence mond/pace</i>	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: <i>0842</i>	SAMPLING ENDED AT: <i>0844</i>

PUMP OR TUBING DEPTH IN WELL (feet):	6.5	TUBING MATERIAL CODE:	LDPE/5	FIELD-FILTERED: Y ☒ N ☐	FILTER SIZE: _____ µm
Filtration Equipment Type: _____					

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

[illegible]

REMARKS:

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

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

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

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

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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Department of solid waste		SITE LOCATION: 8785 NW 58th St, Doral, FL 33178	
WELL NO: M15(60)	SAMPLE ID: M15(60)	DATE: 11/30/24	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.33	PURGE PUMP TYPE OR BAILER: 1P

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

$$\text{EQUIPMENT VOLUME PURGE} = \frac{1 \text{ EQUIPMENT VOL.} - \text{PUMP VOLUME}}{\text{PUMP CAPACITY}} \times \text{PUMP CAPACITY} \times 0.16 \text{ gallons/foot} = 7.9472 \text{ gallons}$$

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

$$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$$

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.5	PURGING INITIATED AT: 0909	PURGING ENDED AT: 0950	TOTAL VOLUME PURGED (gallons):

[illegible]

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Terrence mond/pace</i>	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: <i>0951</i>	SAMPLING ENDED AT: <i>0953</i>

PUMP OR TUBING DEPTH IN WELL (feet):	12.5	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

[illegible]

REMARKS:

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

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

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

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

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

Form FD 9000-24 GROUNDWATER SAMPLING LOG

SITE NAME: <i>Department of solid waste</i>	SITE LOCATION: <i>8785 NW 58th St, Doral, FL 33178</i>
WELL NO: <i>M115(20)</i>	SAMPLE ID: <i>M115(20)</i> DATE: <i>1/30/24</i>

PURGING DATA

WELL DIAMETER (inches): <i>2"</i>	TUBING DIAMETER (inches): <i>1/4</i>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <i>9.98</i>	PURGE PUMP TYPE OR BAILER: <i>PP</i>

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (*20.0* feet - *9.98* feet) X *0.16* gallons/foot = *1.6032* 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): <i>12.0</i>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <i>12.0</i>	PURGING INITIATED AT: <i>1002</i>	PURGING ENDED AT: <i>1019</i>	TOTAL VOLUME PURGED (gallons): <i>2.55</i>

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)
<i>1013</i>	<i>1.05</i>	<i>1.05</i>	<i>0.15</i>	<i>9.99</i>	<i>6.30</i>	<i>24.5</i>	<i>947</i>	<i>0.25/3.0%</i>	<i>3.37</i>	<i>clear</i>	<i>mild</i>
<i>1016</i>	<i>0.45</i>	<i>2.1</i>	<i>1</i>	<i>1</i>	<i>6.28</i>	<i>24.7</i>	<i>948</i>	<i>0.23/2.7%</i>	<i>3.09</i>	<i>1</i>	<i>1</i>
<i>1019</i>	<i>0.45</i>	<i>2.55</i>	<i>1</i>	<i>1</i>	<i>6.27</i>	<i>25.0</i>	<i>946</i>	<i>0.19/2.4%</i>	<i>2.33</i>	<i>1</i>	<i>1</i>

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Terrence mond / pace</i>	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: <i>1020</i>	SAMPLING ENDED AT: <i>1022</i>
PUMP OR TUBING DEPTH IN WELL (feet): <i>12.0</i>	TUBING MATERIAL CODE: <i>LDPEIS</i>	FIELD-FILTERED: Y ☒ N ☐	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			
<i>M115(20)</i>	<i>1</i>	<i>PE</i>	<i>250mL</i>	<i>HNO3</i>	<i>0</i>	<i>12</i>	<i>6010 MET ICD TERN</i>	<i>APP</i>	<i>300</i>
<i>1</i>	<i>1</i>	<i>PE</i>	<i>250mL</i>	<i>COOL</i>	<i>1</i>	<i>6.27</i>	<i>TDS</i>	<i>1</i>	<i>1</i>

REMARKS:

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

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

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

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

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

Form FD 9000-24

DATE: 11/30/24

PURGE PUMP TYPE
OR BAILER: *DD*

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

TOTAL VOLUME
PURGED (gallons): *N/A*

TIME	VOLUME PURGED (circle units)	VOLUME PURGED (circle units)	PURGE RATE	TEMP. TO WATER	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm	OXYGEN (circle units) mg/l	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)

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

SAMPLING
ENDED AT: 1028

FILTER SIZE: _____ μm

DUPLICATE: Y N

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	ANALYSIS AND/OR METHOD	EQUIPMENT CODE	FLOW RATE (mL per minute)
EQ 0106	1	PE	250mL	HVUS	0	22	6010 MER PCP TERN	APP	300
1	1	PE	250mL	COOL	1	N/A	TDS	1	1

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)

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

Sample Condition Upon Receipt Form (SCUR)

Pace

Project #
Project Manager:
Client:

WO#: 35856967

PM: RYG Due Date: 02/14/24
CLIENT: 36-MDSWM

Date and Initials of person:

Examining contents:

Label:

Deliver:

pH:

Initials:

Thermometer Used: T-414

Date: 1-30-24

Time: 2256

State of Origin:

Cooler #1 Temp. °C 1.1

(Visual)

+0.0

(Correction Factor) 1.1

(Actual)

Cooler #2 Temp. °C

(Visual)

(Correction Factor)

(Actual)

Cooler #3 Temp. °C

(Visual)

(Correction Factor)

(Actual)

Cooler #4 Temp. °C

(Visual)

(Correction Factor)

(Actual)

Cooler #5 Temp. °C

(Visual)

(Correction Factor)

(Actual)

Cooler #6 Temp. °C

(Visual)

(Correction Factor)

(Actual)

Recheck for OOT °C

(Visual)

(Correction Factor)

(Actual)

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

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

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown ☐ Other:

Tracking #

Custody Seal Present: ☒ Yes ☐ No Seal properly placed and intact: ☒ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other:

Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

Samples shorted to lab: ☐ Yes ☐ No (If yes, complete the following)

Shorted Date:

Bottle Quantity / Type:

Shorted Time:

Chain of Custody:	Present: ☒ Yes ☐ No Filled Out: ☒ Yes ☐ No ☐ N/A Sampler Name: ☒ Yes ☐ No ☐ N/A
Relinquished To Pace:	☒ Yes ☐ No ☐ N/A Sampling Date(s): ☒ Yes ☐ No ☐ N/A Sampling Time(s): ☒ Yes ☐ No ☐ N/A
Samples Arrived within Hold Time.	☒ Yes ☐ No ☐ N/A Comments:
Rush Turnaround Requested on COC.	☒ Yes ☐ No ☐ N/A Comments:
Sufficient Volume.	☒ Yes ☐ No ☐ N/A Comments:
Correct Containers Used.	☒ Yes ☐ No ☐ N/A Comments:
Containers Intact.	☒ Yes ☐ No ☐ N/A Comments:
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☒ Yes ☐ No ☐ N/A Comments:
Containers needing acid / base preservation have been checked.	☒ Yes ☐ No ☐ N/A Comments:
Containers needing preservation are found to be in compliance with A recommendation:	☒ Yes ☐ No ☐ N/A
Exceptions: Vials, Microbiology, O&G, PFAS	
adspace in Volatile Vials? (>6mm):	☐ Yes ☐ No ☒ N/A
Blank Present:	☐ Yes ☐ No ☒ N/A
Comments / Resolutions (use back for additional comments):	

Preservation Information	
Preservative:	Date:
Lot / Trace:	Time:
Amount added (mL):	Initials:



Sample Condition Upon Receipt Form (SCUR)

Project #
Project Manager:
Client:

WO# : 35856967

PM: RYG Due Date: 02/14/24
CLIENT: 36-MDSWM

Date and Initials of person:

Examining contents: _____

Label: _____

Deliver: _____

pH: _____

Initials: GI

Thermometer Used: T-398

Date: 01/30/2024

Time: 1514

State of Origin: _____ ☐ For WV projects, all containers certified to $\pm 0.6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 4.8 (Visual) -0.1 (Correction Factor) 4.7 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Recheck for OOT $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

Time: _____ Initials: _____

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

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

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # _____

Custody Seal Present: ☒ Yes ☐ No Seal properly placed and intact: ☒ Yes ☐ No

Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

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

Samples shorted to lab: ☐ Yes ☐ No (If yes, complete the following)

Shorted Date: _____

Shorted Time: _____

Bottle Quantity / Type: _____

Chain of Custody:	Present: ☐ Yes ☐ No Filled Out: ☐ Yes ☐ No ☐ N/A Relinquished From Pace: ☐ Yes ☐ No ☐ N/A Sampler Name: ☐ Yes ☐ No ☐ N/A	
	Relinquished To Pace: ☐ Yes ☐ No ☐ N/A Sampling Date(s): ☐ Yes ☐ No ☐ N/A Sampling Time(s): ☐ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time.	☒ Yes ☐ No ☐ N/A	Comments:
Rush Turnaround Requested on COC.	☐ Yes ☒ No ☐ N/A	Comments:
Sufficient Volume.	☐ Yes ☒ No ☐ N/A	Comments:
Correct Containers Used.	☐ Yes ☒ No ☐ N/A	Comments:
Containers Intact.	☐ Yes ☒ No ☐ N/A	Comments:
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☐ Yes ☒ No ☐ N/A	Comments:
All containers needing acid / base preservation have been checked.	☐ Yes ☐ No ☐ N/A	Preservation Information Preservative: _____ Date: _____ Lot / Trace: _____ Time: _____ Amount added (mL): _____ Initials: _____
All containers needing preservation are found to be in compliance with EPA recommendation:	☐ Yes ☐ No ☐ N/A	
Exceptions: Vials, Microbiology, O&G, PFAS		
Headspace in Volatile Vials? (>6mm):	☐ Yes ☐ No ☐ N/A	
Trip Blank Present:	☐ Yes ☐ No ☐ N/A	

Comments / Resolutions (use back for additional comments):



February 08, 2024

Mario Porcelli
Miami-Dade Department of Solid Waste
Management
2525 NW 62
5th floor
Miami, FL 33147

RE: Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856968

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on January 30, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach

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

Sincerely,

Rossy Guima
rossy.guima@pacelabs.com
954-582-4300
Project Manager

Enclosures

cc: Robert Graessel, Miami-Dade Department of Solid Waste
Management
Arellys Roman, Miami-Dade Department of Solid Waste
Management



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856968

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
California Certification# 3096
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
DoD-ANAB #:ADE-3199
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
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
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856968

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35856968001	BC5 (60)	Water	01/30/24 10:12	01/30/24 13:30
35856968002	BC5 (20)	Water	01/30/24 10:36	01/30/24 13:30
35856968003	M16 (60)	Water	01/30/24 11:29	01/30/24 13:30
35856968004	M16 (20)	Water	01/30/24 11:42	01/30/24 13:30
35856968005	M16 (60) DUPLICATE	Water	01/30/24 11:30	01/30/24 13:30
35856968006	EQ Blank2 01/30/24	Water	01/30/24 11:45	01/30/24 13:30

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SAMPLE ANALYTE COUNT

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856968

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35856968001	BC5 (60)	EPA 6010	TMA	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856968002	BC5 (20)	EPA 6010	TMA	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856968003	M16 (60)	EPA 6010	TMA	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856968004	M16 (20)	EPA 6010	TMA	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856968005	M16 (60) DUPLICATE	EPA 6010	LEC	1	PASI-O
		SM 2540C	HDV	1	PASI-O
35856968006	EQ Blank2 01/30/24	EPA 6010	LEC	1	PASI-O
		SM 2540C	HDV	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856968

Sample: BC5 (60) Lab ID: 35856968001 Collected: 01/30/24 10:12 Received: 01/30/24 13:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	7.25	Std. Units			1		01/30/24 10:12		
Field Temperature	23.9	deg C			1		01/30/24 10:12		
Field Specific Conductance	483	umhos/cm			1		01/30/24 10:12		
Oxygen, Dissolved	0.05	mg/L			1		01/30/24 10:12	7782-44-7	
Turbidity	12.8	NTU			1		01/30/24 10:12		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	738	ug/L	40.0	25.0	1	02/01/24 05:36	02/02/24 13:34	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	251	mg/L	5.0	5.0	1		02/05/24 18:07		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856968

Sample: BC5 (20) Lab ID: 35856968002 Collected: 01/30/24 10:36 Received: 01/30/24 13:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	7.15	Std. Units			1		01/30/24 10:36		
Field Temperature	25.1	deg C			1		01/30/24 10:36		
Field Specific Conductance	601	umhos/cm			1		01/30/24 10:36		
Oxygen, Dissolved	0.03	mg/L			1		01/30/24 10:36	7782-44-7	
Turbidity	12.4	NTU			1		01/30/24 10:36		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	563	ug/L	40.0	25.0	1	02/01/24 05:36	02/02/24 13:38	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	301	mg/L	5.0	5.0	1		02/05/24 18:07		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856968

Sample: M16 (60) Lab ID: 35856968003 Collected: 01/30/24 11:29 Received: 01/30/24 13:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	6.96	Std. Units			1		01/30/24 11:29		
Field Temperature	25.9	deg C			1		01/30/24 11:29		
Field Specific Conductance	1624	umhos/cm			1		01/30/24 11:29		
Oxygen, Dissolved	0.07	mg/L			1		01/30/24 11:29	7782-44-7	
Turbidity	7.26	NTU			1		01/30/24 11:29		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	106	ug/L	40.0	25.0	1	02/01/24 05:36	02/02/24 13:49	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	1000	mg/L	10.0	10.0	1		02/05/24 20:44		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856968

Sample: M16 (20) Lab ID: 35856968004 Collected: 01/30/24 11:42 Received: 01/30/24 13:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	7.41	Std. Units			1		01/30/24 11:42		
Field Temperature	26.2	deg C			1		01/30/24 11:42		
Field Specific Conductance	424	umhos/cm			1		01/30/24 11:42		
Oxygen, Dissolved	0.03	mg/L			1		01/30/24 11:42	7782-44-7	
Turbidity	9.68	NTU			1		01/30/24 11:42		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	44.4	ug/L	40.0	25.0	1	02/01/24 05:36	02/02/24 13:53	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	204	mg/L	5.0	5.0	1		02/05/24 20:44		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856968

Sample: M16 (60) DUPLICATE Lab ID: 35856968005 Collected: 01/30/24 11:30 Received: 01/30/24 13:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Pace Analytical Services - Ormond Beach									
Field pH	6.96	Std. Units			1		01/30/24 11:30		
Field Temperature	25.9	deg C			1		01/30/24 11:30		
Field Specific Conductance	1624	umhos/cm			1		01/30/24 11:30		
Oxygen, Dissolved	0.07	mg/L			1		01/30/24 11:30	7782-44-7	
Turbidity	7.26	NTU			1		01/30/24 11:30		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Ormond Beach									
Iron	1000	ug/L	40.0	25.0	1	01/31/24 05:08	02/01/24 13:08	7439-89-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C									
Pace Analytical Services - Ormond Beach									
Total Dissolved Solids	1930	mg/L	10.0	10.0	1		02/05/24 20:44		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856968

Sample: EQ Blank2 01/30/24		Lab ID: 35856968006		Collected: 01/30/24 11:45		Received: 01/30/24 13:30		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach							
Iron	25.0 U	ug/L	40.0	25.0	1	01/31/24 05:08	02/01/24 15:11	7439-89-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	5.0 U	mg/L	5.0	5.0	1		02/05/24 20:44		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856968

QC Batch: 985226

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856968005, 35856968006

METHOD BLANK: 5418568

Matrix: Water

Associated Lab Samples: 35856968005, 35856968006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron	ug/L	25.0 U	40.0	25.0	02/01/24 13:01	

LABORATORY CONTROL SAMPLE: 5418569

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2500	2580	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5418570 5418571

Parameter	Units	35856968005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	1000	2500	2500	3510	3520	100	101	75-125	0	20	

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856968

QC Batch:	985573	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856968001, 35856968002, 35856968003, 35856968004

METHOD BLANK: 5420332 Matrix: Water
Associated Lab Samples: 35856968001, 35856968002, 35856968003, 35856968004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron	ug/L	25.0 U	40.0	25.0	02/02/24 12:58	

LABORATORY CONTROL SAMPLE: 5420333

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2500	2450	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5420334 5420335

Parameter	Units	35857132001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	15500	2500	2500	19200	19400	146	153	75-125	1	20	J(M1)

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856968

QC Batch: 986582

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856968001, 35856968002

METHOD BLANK: 5425065

Matrix: Water

Associated Lab Samples: 35856968001, 35856968002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/05/24 18:07	

LABORATORY CONTROL SAMPLE: 5425066

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	306	102	90-110	

SAMPLE DUPLICATE: 5425067

Parameter	Units	35856977003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	68.0	68.0	0	10	

SAMPLE DUPLICATE: 5425068

Parameter	Units	35857062001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	17.0	34.0	67	10	J(D6)

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QUALITY CONTROL DATA

Project: FDEP 1st Semiannual 58th

Pace Project No.: 35856968

QC Batch: 986621

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35856968003, 35856968004, 35856968005, 35856968006

METHOD BLANK: 5425361

Matrix: Water

Associated Lab Samples: 35856968003, 35856968004, 35856968005, 35856968006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	02/05/24 20:44	

LABORATORY CONTROL SAMPLE: 5425362

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	285	95	90-110	

SAMPLE DUPLICATE: 5425363

Parameter	Units	35856977004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	34.0	40.0	16	10	J(D6)

SAMPLE DUPLICATE: 5425364

Parameter	Units	35857279008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	386	408	6	10	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856968

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.
TNTC - Too Numerous To Count
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
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.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 1st Semiannual 58th
Pace Project No.: 35856968

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35856968001	BC5 (60)				
35856968002	BC5 (20)				
35856968003	M16 (60)				
35856968004	M16 (20)				
35856968005	M16 (60) DUPLICATE				
35856968001	BC5 (60)	EPA 3010	985573	EPA 6010	985630
35856968002	BC5 (20)	EPA 3010	985573	EPA 6010	985630
35856968003	M16 (60)	EPA 3010	985573	EPA 6010	985630
35856968004	M16 (20)	EPA 3010	985573	EPA 6010	985630
35856968005	M16 (60) DUPLICATE	EPA 3010	985226	EPA 6010	985291
35856968006	EQ Blank2 01/30/24	EPA 3010	985226	EPA 6010	985291
35856968001	BC5 (60)	SM 2540C	986582		
35856968002	BC5 (20)	SM 2540C	986582		
35856968003	M16 (60)	SM 2540C	986621		
35856968004	M16 (20)	SM 2540C	986621		
35856968005	M16 (60) DUPLICATE	SM 2540C	986621		
35856968006	EQ Blank2 01/30/24	SM 2540C	986621		

REPORT OF LABORATORY ANALYSIS

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Company Name: Miami-Dade Department of Solid Waste Management Street Address: 2525 NW 62 St, Miami, FL 33147		Contact/Report To: Yanett Rodriguez Phone #: E-Mail: yanett.rodriguez@miamidade.gov Cc E-Mail:					
Customer Project #: FDEP 1st Semiannual 58th Project Name:		Invoice To: Yanett Rodriguez Invoice E-Mail: yanett.rodriguez@miamidade.gov Purchase Order # (if applicable): SW00000002055 Quote #:					
Site Collection Info/Facility ID (as applicable): Time Zone Collected: [] AK [] PT [] MT [] CT [] ET Data Deliverables: [] Level II [] Level III [] Level IV [] EQUIS [] Other		County / State origin of sample(s): Florida Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [] No Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other					
Date Results Requested:		Field Filtered (if applicable): [] Yes [] No Analysis:					
Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)							
Customer Sample ID	Matrix *	Comp / Grab	Composite Start	Collected or Composite End	# Cont.	Res. Chlorine	Units
BOS (60)				1/30/24 1012	2		
BOS (20)				1/30/24 1036	2		
MIG (60)				1/30/24 1129	2		
MIG (20)				1/30/24 1142	2		
Duplicate				1/30/24 1130	2		
EQ Blank				1/30/24 1145	2		
Additional Instructions from Pace*:				Collected By: <i>Rodriguez</i> (Printed Name) Signature:			
Relinquished by Company: (Signature) <i>Pace</i>		Date/Time: 1/30/24		Tracking Number:		Date/Time: 1/30/24	
Relinquished by Company: (Signature) <i>Pace</i>		Date/Time: 1/30/24		Tracking Number:		Date/Time: 1/30/24	
Relinquished by Company: (Signature)		Date/Time:		Tracking Number:		Date/Time:	
Relinquished by Company: (Signature)		Date/Time:		Tracking Number:		Date/Time:	
Customer Remarks / Special Conditions / Possible Hazards:				# Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): On Ice:			
Delivery by: [] In-Person [] Courier [] FedEx [] UPS [] Other				Page: 1 of 3			

Sample Condition Upon Receipt Form (SCUR)

Project #
Project Manager:
Client:

WO#: 35856968

PM: RYG Due Date: 02/13/24
CLIENT: 36-MDSWM

Pace
Date and Initials of person:
Examining contents:
Label:
Deliver:
pH:
Initials:

Thermometer Used: T-414

Date: 1-30-24

Time: 2259

State of Origin:

Cooler #1 Temp.°C 2.8 (Visual)

☐ For WV projects, all containers verified to ≤6 °C

+0.0

(Correction Factor) 2.8 (Actual)

Cooler #2 Temp.°C (Visual)

(Correction Factor) (Actual)

Cooler #3 Temp.°C (Visual)

(Correction Factor) (Actual)

Cooler #4 Temp.°C (Visual)

(Correction Factor) (Actual)

Cooler #5 Temp.°C (Visual)

(Correction Factor) (Actual)

Cooler #6 Temp.°C (Visual)

(Correction Factor) (Actual)

Recheck for OOT °C (Visual)

(Correction Factor) (Actual)

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

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

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal Present: ☒ Yes ☐ No Seal properly placed and intact: ☒ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other:

Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

Samples shorted to lab: ☐ Yes ☐ No (if yes, complete the following)

Shorted Date:

Bottle Quantity / Type:

Shorted Time:

Chain of Custody:	Present: ☒ Yes ☐ No Filled Out: ☐ Yes ☒ No ☐ N/A Sampler Name: ☒ Yes ☐ No ☐ N/A
Relinquished To Pace:	☒ Yes ☐ No ☐ N/A Sampling Date(s): ☒ Yes ☐ No ☐ N/A Sampling Time(s): ☒ Yes ☐ No ☐ N/A
Samples Arrived within Hold Time.	☒ Yes ☐ No ☐ N/A Comments:
Rush Turnaround Requested on COC.	☒ Yes ☐ No ☐ N/A Comments:
Sufficient Volume.	☒ Yes ☐ No ☐ N/A Comments:
Correct Containers Used.	☒ Yes ☐ No ☐ N/A Comments:
Containers Intact.	☒ Yes ☐ No ☐ N/A Comments:
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☒ Yes ☐ No ☐ N/A Comments:
Containers needing acid / base preservation have been checked.	☒ Yes ☐ No ☐ N/A Comments:
Containers needing preservation are found to be in compliance with A recommendation:	☒ Yes ☐ No ☐ N/A
Exceptions: Vials, Microbiology, O&G, PFAS	
Space in Volatile Vials? (>6mm):	☐ Yes ☐ No ☒ N/A
Blank Present:	☐ Yes ☐ No ☒ N/A
Comments / Resolutions (use back for additional comments):	



Sample Condition Upon Receipt Form (SCUR)

Project #
Project Manager:
Client:

WO#: 35856968

PM: RYG

Due Date: 02/13/24

CLIENT: 36-MDSWM

Date and Initials of person:

Examining contents: _____

Label: _____

Deliver: _____

pH: _____

Thermometer Used: T-398

Date: 01/30/2024

Time: 1330

Initials: EJ

State of Origin: _____ ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp. °C 4.8 (Visual) -0.1 (Correction Factor) 4.7 (Actual)

Cooler #2 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Recheck for OOT °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

Time: _____ Initials: _____

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

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

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # _____

Custody Seal Present: ☒ Yes ☐ No Seal properly placed and intact: ☒ Yes ☐ No

Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

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

Samples shorted to lab: ☐ Yes ☒ No (If yes, complete the following)

Shorted Date: _____

Shorted Time: _____

Bottle Quantity / Type: _____

Chain of Custody:	Present: ☐ Yes ☐ No Filled Out: ☐ Yes ☐ No ☐ N/A Relinquished From Pace: ☐ Yes ☐ No ☐ N/A Sampler Name: ☐ Yes ☐ No ☐ N/A	
	Relinquished To Pace: ☐ Yes ☐ No ☐ N/A Sampling Date(s): ☐ Yes ☐ No ☐ N/A Sampling Time(s): ☐ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time.	☒ Yes ☐ No ☐ N/A	Comments:
Rush Turnaround Requested on COC.	☐ Yes ☒ No ☐ N/A	Comments:
Sufficient Volume.	☐ Yes ☒ No ☐ N/A	Comments:
Correct Containers Used.	☐ Yes ☐ No ☐ N/A	Comments:
Containers Intact.	☐ Yes ☐ No ☐ N/A	Comments:
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☐ Yes ☐ No ☐ N/A	Comments:
All containers needing acid / base preservation have been checked.	☐ Yes ☐ No ☐ N/A	Preservation Information Preservative: _____ Date: _____ Lot / Trace: _____ Time: _____ Amount added (mL): _____ Initials: _____
All containers needing preservation are found to be in compliance with EPA recommendation:	☐ Yes ☐ No ☐ N/A	
Exceptions: Vials, Microbiology, O&G, PFAS		
Headspace in Volatile Vials? (>6mm):	☐ Yes ☐ No ☐ N/A	
Trip Blank Present:	☐ Yes ☐ No ☐ N/A	

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

Form FD 9000-24

PURGING DATA

SAMPLING DATA

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

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

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

Form FD 9000-24

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Richard Flores / Pace				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: 1036		SAMPLING ENDED AT: 1037	
PUMP OR TUBING DEPTH IN WELL (feet): 10				TUBING MATERIAL CODE: LOPK-5		FIELD-FILTERED: Y ^(N) Filtration Equipment Type:			FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y ^(N) TUBING Y ^(N) (replaced)						DUPLICATE: Y ^(N)				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			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				
BGS(RG)	1	PE	750mL	ECOL	0	7.15	TDS	APP	300	
	1	PE	250mL	HNO3	1	6.2	GOLD IRON	1	1	
REMARKS:										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

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

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

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

Form FD 9000-24

PURGING DATA

SAMPLING DATA

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[illegible]

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Form FD 9000-24

PURGING DATA

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

SAMPLING DATA

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;
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