Department of Solid Waste Management
Dr. Martin Luther King, Jr. Office Plaza
2525 NW 62 Street • Suite 5100
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Miamidade.gov

August 27, 2024

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

Re: Permit No. 065435-006-SF; Resources Recovery Facility / N.W. 58th Street Landfill;
2024 – Second Semiannual Water Quality Monitoring Report

Pursuant to the terms of the above-referenced permit, enclosed please find the 2024 – Second 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 feel free to contact me or Arelys Roman via email at Arelys.Roman@miamidade.gov or at (305) 474-7002.

Sincerely,

Mario Porcelli

Mario Porcelli
Environmental Affairs Manager
Technical Services and Environmental Affairs Division

Cc: Wilbur Mayorga, RER/DERM
Naquita D'Andrade, FDEP

Delivering Excellence Every Day

Miami Dade County
Department of Solid Waste Management

RRF/NW 58th STREET LANDFILL

2nd SEMI-ANNUAL SAMPLING EVENT

GROUNDWATER MONITORING

REPORT
2024

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MONITORING REPORT
2024 - SECOND 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 065435-006-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 July 26, 2024 thru August 1, 2024 for laboratory analyses by Pace. Leachate samples were also collected from RRF on July 16, 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 forty-nine. 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), RR5(60) and RE10(15). The highest TDS concentration was detected in well RR5(60) with a value of 1950 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 821 mg/l. Ammonia was detected in twenty three monitoring wells at this facility with the highest concentrations detected at RR5(20) with a value of 2.9 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 390 ug/l to 1680 ug/l in wells RR1(60), RR2(60), RR3(60), RR4(60), RR16(30), RR16(60), NW18(60), NW46(60), RE10(30), and RE10(60). Three monitoring wells had Sodium above the SDWS of 160 ug/l. Sodium values that exceeded the SDWS ranged from 210mg/l to 398 mg/l in wells RR2(60), RR5(20) and RR5(60). 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 all wells at this facility were within the permitted SDWS range.

1.2 General Chemistry

Eighteen 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 259 mg/l and 1140 mg/l.

1.3 Metals

Twelve monitoring wells at this facility had Iron levels above the SDWS of 1000 ug/l. Iron values ranged from 1070 ug/l to 7630 ug/l in wells M3(30), M3(60), M3(70), M4(30), M11(15), M11(30), M13(20), M13(60), M14(20), M14(60), 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. 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(30) with a concentration of 1.6 mg/l.

1.3 Metals

Five monitoring wells in this area had Iron levels above the SDWS of 300 ug/l. The Iron concentration for wells NW23(15), NW23(60), RR17(20), RR17(60), and RR19(60), were between 409 ug/l and 1070 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 six monitoring wells at RRF and eighteen wells at the 58 St landfill. The highest TDS concentration was reported at RR5(60) with 1950 mg/l.

Ammonia was detected in most monitoring wells sampled. The highest Ammonia concentrations was reported at RR5(20) with a concentration of 2.9 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, twelve monitoring wells at N.W. 58th St, and five monitoring wells in common to RRF and N.W. 58th St. The highest Iron concentration was reported at M15(15) with 7630 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 three monitoring wells at RRF. Highest sodium concentration was reported at RR2(60) with 398 ug/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.

8/27/2024 (Date)

Mario Porcelli (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

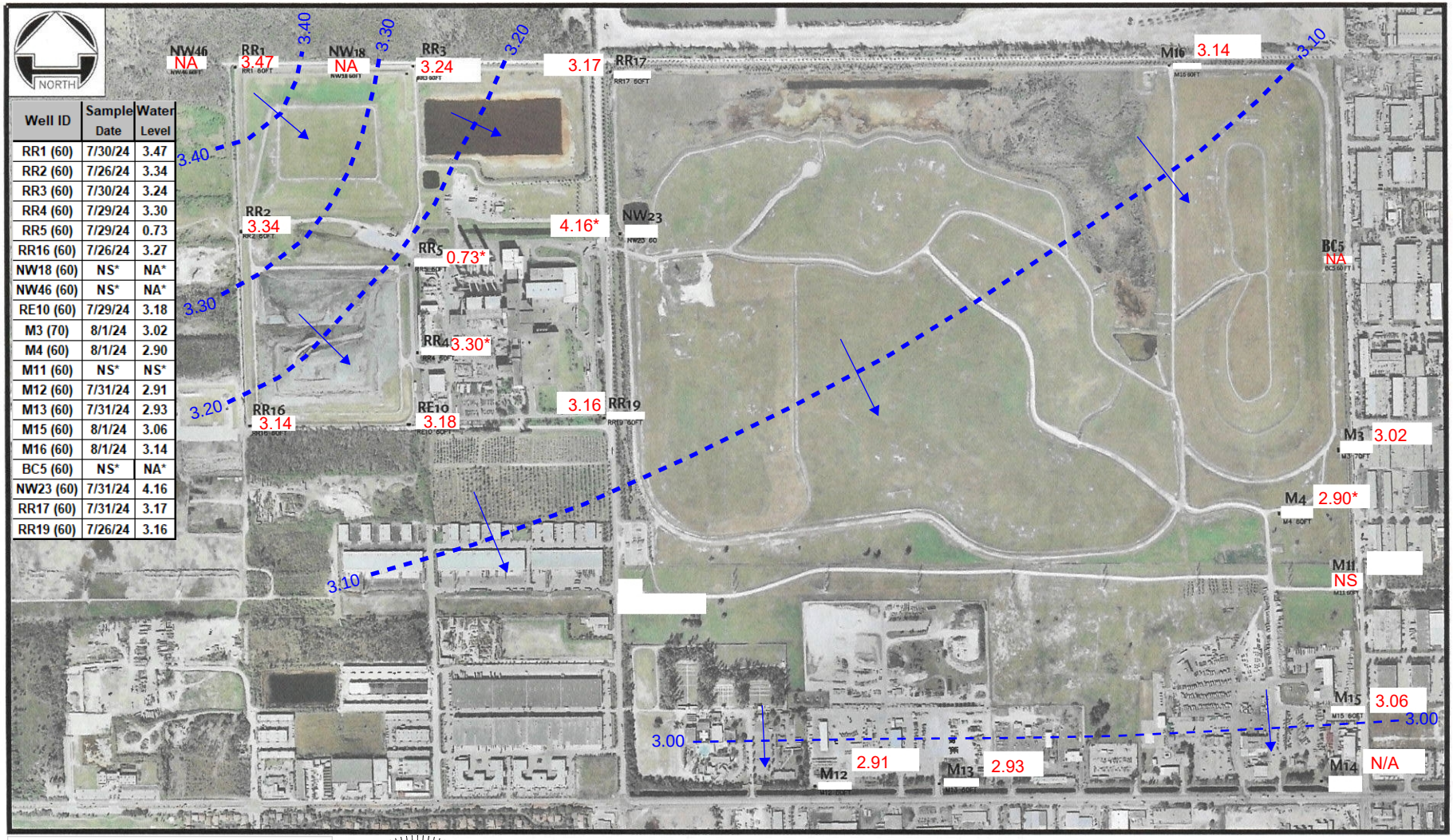
Email address (if available) rossy.guima@PACELABS.COM

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



Well ID	Sample Date	Water Level
RR1 (60)	7/30/24	3.47
RR2 (60)	7/26/24	3.34
RR3 (60)	7/30/24	3.24
RR4 (60)	7/29/24	3.30
RR5 (60)	7/29/24	0.73
RR16 (60)	7/26/24	3.27
NW18 (60)	NS*	NA*
NW46 (60)	NS*	NA*
RE10 (60)	7/29/24	3.18
M3 (70)	8/1/24	3.02
M4 (60)	8/1/24	2.90
M11 (60)	NS*	NS*
M12 (60)	7/31/24	2.91
M13 (60)	7/31/24	2.93
M15 (60)	8/1/24	3.06
M16 (60)	8/1/24	3.14
BC5 (60)	NS*	NA*
NW23 (60)	7/31/24	4.16
RR17 (60)	7/31/24	3.17
RR19 (60)	7/26/24	3.16

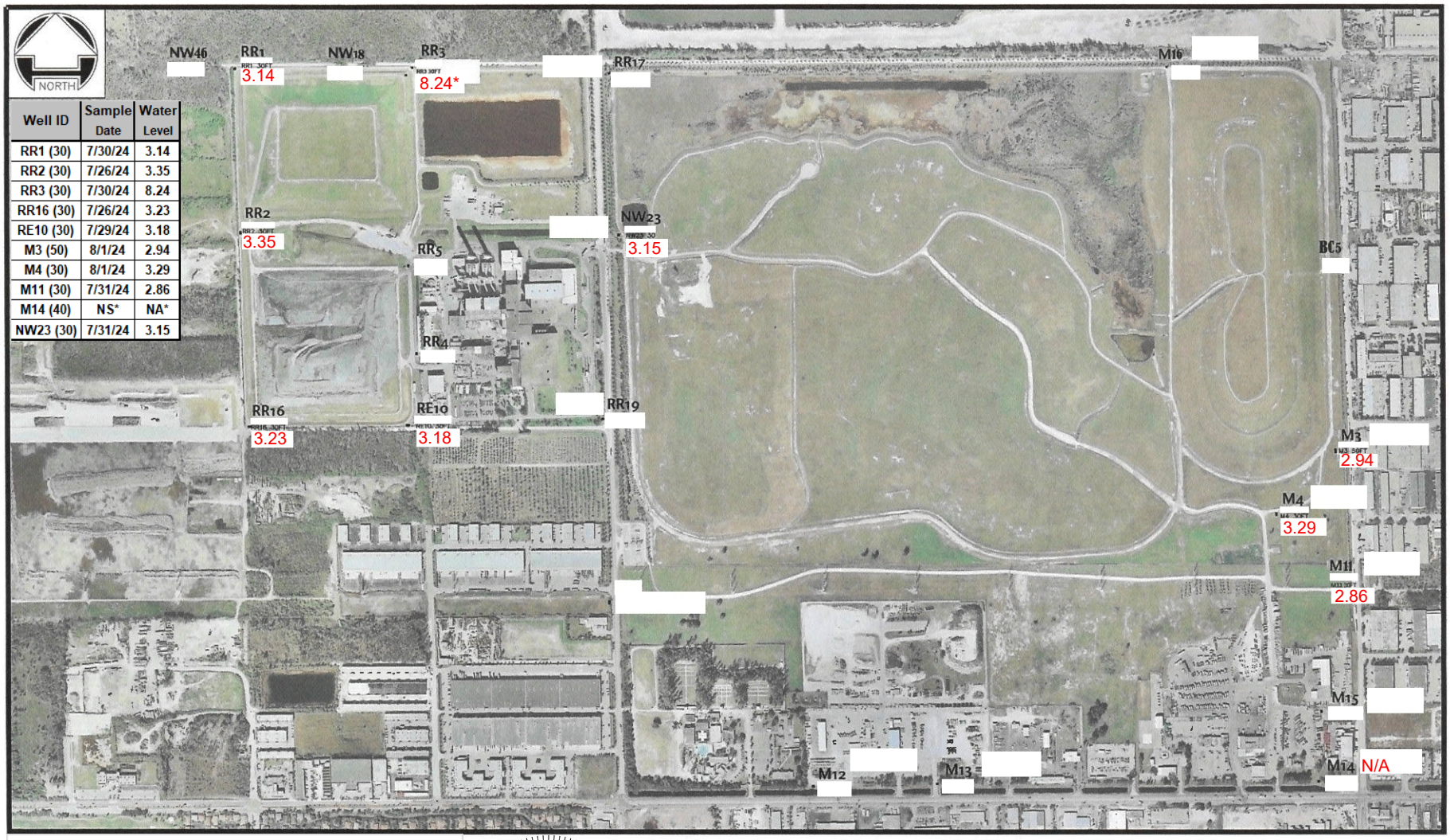
Notes:

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

2024 Second Semiannual

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



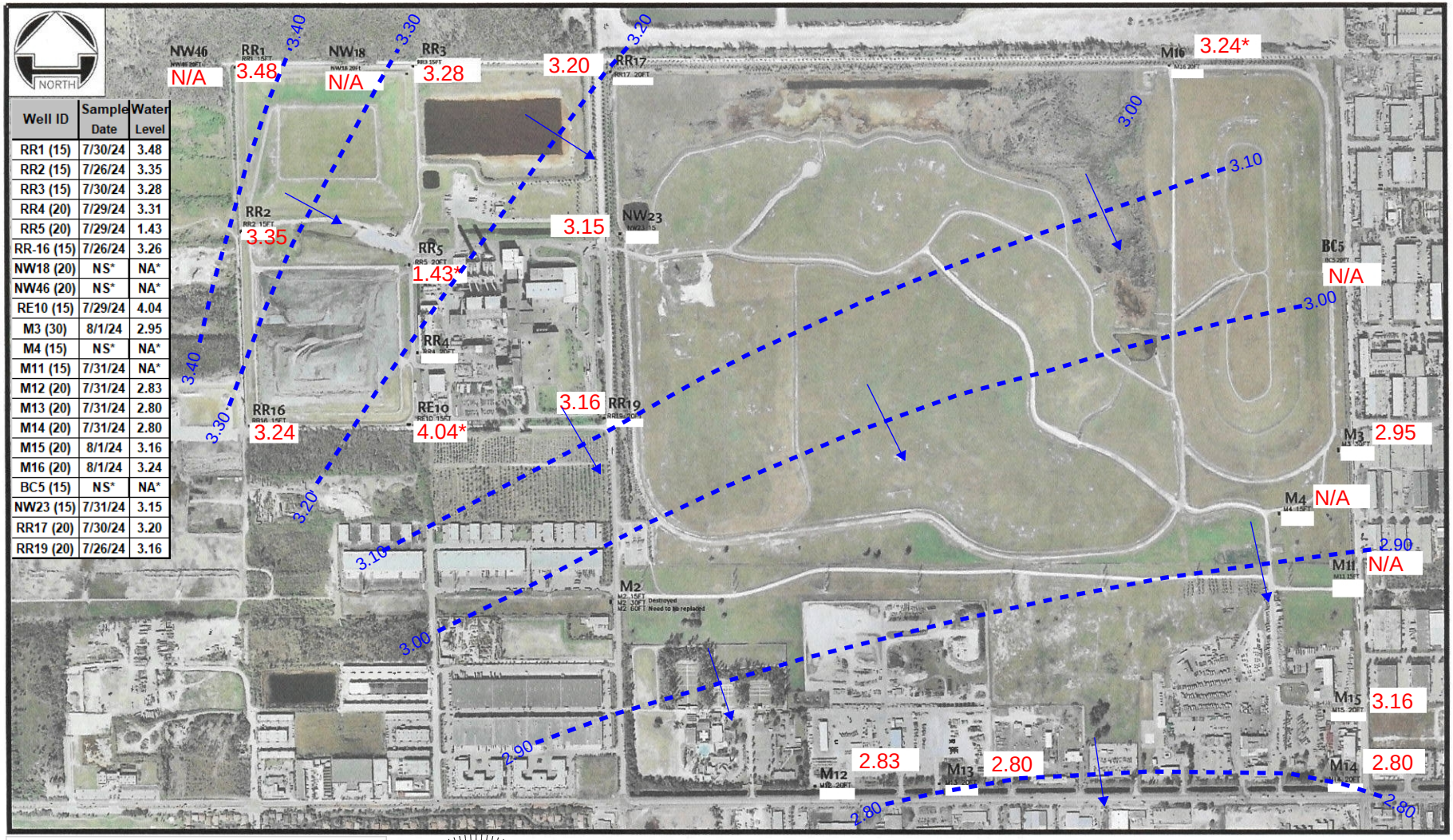
Well ID	Sample Date	Water Level
RR1 (30)	7/30/24	3.14
RR2 (30)	7/26/24	3.35
RR3 (30)	7/30/24	8.24
RR16 (30)	7/26/24	3.23
RE10 (30)	7/29/24	3.18
M3 (50)	8/1/24	2.94
M4 (30)	8/1/24	3.29
M11 (30)	7/31/24	2.86
M14 (40)	NS*	NA*
NW23 (30)	7/31/24	3.15

Notes:	
3.01	- Groundwater Elevation
4.01*	- Groundwater Elevation not used for mapping
	A reasonable flow direction cannot be determined based on potentiometric surface elevations.

JOHN S. CATCHES LICENSE No. 2203 STATE OF FLORIDA PROFESSIONAL GEOLOGIST

2024 Second Semiannual

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



Well ID	Sample Date	Water Level
RR1 (15)	7/30/24	3.48
RR2 (15)	7/26/24	3.35
RR3 (15)	7/30/24	3.28
RR4 (20)	7/29/24	3.31
RR5 (20)	7/29/24	1.43
RR-16 (15)	7/26/24	3.26
NW18 (20)	NS*	NA*
NW46 (20)	NS*	NA*
RE10 (15)	7/29/24	4.04
M3 (30)	8/1/24	2.95
M4 (15)	NS*	NA*
M11 (15)	7/31/24	NA*
M12 (20)	7/31/24	2.83
M13 (20)	7/31/24	2.80
M14 (20)	7/31/24	2.80
M15 (20)	8/1/24	3.16
M16 (20)	8/1/24	3.24
BC5 (15)	NS*	NA*
NW23 (15)	7/31/24	3.15
RR17 (20)	7/30/24	3.20
RR19 (20)	7/26/24	3.16

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

2024 Second Semiannual

Table 1
Resources Recovery Facility

Table 1
Resources Recovery Facility
2024 - Second
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)	**7/30/2024**	13.30	9.82	3.48	2.82	2.70	7.11	754	29.1
RR1 (30)	**7/30/2024**	13.21	10.07	3.14	3.21	0.6	7.24	467	26.9
RR1 (60)	**7/30/2024**	13.15	9.68	3.47	7.14	0.10	7.19	530	26.7
RR2 (15)	**7/26/2024**	13.30	9.95	3.35	0.72	0.40	7.13	1020	28.7
RR2 (30)	**7/26/2024**	13.21	9.86	3.35	0.1	0.4	7.16	694	26
RR2 (60)	**7/26/2024**	13.15	9.81	3.34	0.02	0.3	6.96	3622	25.6
RR3 (15)	**7/30/2024**	10.88	7.6	3.28	1.22	1.1	7.08	591	27.1
RR3 (30)	**7/30/2024**	15.91	7.67	8.24	0.10	0.5	7.10	523	26.6
RR3 (60)	**7/30/2024**	10.97	7.73	3.24	0.90	0.7	6.99	641	26.4
RR4 (20)	**7/29/2024**	13.46	10.15	3.31	0.16	0.06	6.89	1251	29.8
RR4 (60)	**7/29/2024**	13.34	10.04	3.30	0.07	0.03	7.05	1351	28.3
RR5 (20)	**7/29/2024**	11.46	10.03	1.43	0.43	0.03	6.95	2020	28.9
RR5 (60)	**7/29/2024**	11.61	10.88	0.73	0.74	0.04	6.96	2912	28.0
RR-16 (15)	**7/26/2024**	13.58	10.32	3.26	0.34	0.1	6.99	615	27.2
RR-16 (30)	**7/26/2024**	13.57	10.34	3.23	0.33	0.10	7.07	647	25.4
RR-16 (60)	**7/26/2024**	13.33	10.06	3.27	0.2	0.7	7.21	512	26.5
NW 18(20)	**7/30/2024**	NA	5.18	NA	0.37	0.1	7.21	473	27.9
NW 18(60)	**7/30/2024**	NA	5.1	NA	0.26	0.07	7.14	572	27.1
NW 46(20)	**7/30/2024**	NA	5.05	NA	0.29	0.02	7.21	454	26.7
NW 46(60)	**7/30/2024**	NA	5.02	NA	0.31	0.03	7.20	523	26.3
RE 10 (15)	**7/29/2024**	10.77	6.73	4.04	0.3	0.04	7.03	920	29.4
RE 10 (30)	**7/29/2024**	10.84	7.66	3.18	0.1	0.02	7.08	729	28.0
RE 10 (60)	**7/29/2024**	10.77	7.59	3.18	0.02	0.03	7.08	619	27.4
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 - Second
Semiannual Water Quality Monitoring Report

GROUNDWATER MONITORING
GENERAL CHEMISTRY

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)	**7/30/2024**	92.8	<0.025	0.3	0.55	0.23 I	13.1 I	5.5	416	230
RR1 (30)	**7/30/2024**	87.4	<0.025	1.10	1.2	0.20 U	29.4	9.1	263	195
RR1 (60)	**7/30/2024**	43.7	<0.025	0.85	1.1	0.25 I	24.6	10.9	320	207
RR2 (15)	**7/26/2024**	86.0	<0.025	0.94	1.1	0.20 U	30.3	8.3	479	216
RR2 (30)	**7/26/2024**	93.0	<0.025	0.98	1.1	0.20 U	34.6	10.2	418	198
RR2 (60)	**7/26/2024**	384	<0.025	1.8	1.8	0.20 U	75.4	10	922	201
RR3 (15)	**7/30/2024**	63.1	<0.025	0.83	1.0	0.20 U	23.1	8.4	171	205
RR3 (30)	**7/30/2024**	40.6	<0.025	1.1	1.2	0.20 U	21.4	8.8	314	210
RR3 (60)	**7/30/2024**	61.1	<0.025	1.4	1.6	0.20 U	37.5	13.6	387	235
RR4 (20)	**7/29/2024**	231	<0.025	1.9	1.8	0.20 U	33.8	8.7	728	241
RR4 (60)	**7/29/2024**	385	<0.025	1.8	1.7	0.20 U	47.6	9.7	948	198
RR5 (20)	**7/29/2024**	492	<0.025	2.9	2.5	0.20 U	51	9.7	1250	206
RR5 (60)	**7/29/2024**	821	0.26	2.7	2.4	0.20 U	58.5	9.3	1950	197
RR-16 (15)	**7/26/2024**	30.6	<0.025	1.1	1.2	0.20 U	23.1	7.1	300	225
RR-16 (30)	**7/26/2024**	36.0	<0.025	3	2.6	0.20 U	38.1	10.3	352	263
RR-16 (60)	**7/26/2024**	37.5	<0.025	0.95	1.1	0.20 U	28.6	9.2	287	204
NW 18(20)	**7/30/2024**	29.7	<0.025	0.65	0.8	0.20 U	22.0	7.3	268	194
NW 18(60)	**7/30/2024**	49.5	<0.025	0.78	1.1	0.29 I	31.2	11.7	302	210
NW 46(20)	**7/30/2024**	26.0	0.039 I	0.93	1.1	0.20 U	22.6	8.7	238	186
NW 46(60)	**7/30/2024**	40.8	<0.025	0.87	1.1	0.20 U	28	10.4	305	199
RE 10 (15)	**7/29/2024**	167	<0.025	1.3	1.3	0.20 U	40.4	7.8	516	203
RE 10 (30)	**7/29/2024**	95.9	<0.025	1	1.2	0.20 U	27.4	8.3	390	210
RE 10 (60)	**7/29/2024**	84.2	<0.025	1.0	1.1	0.20 U	36.1	9.6	376	210
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 - Second
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)	**7/30/2024**	<0.50	1.70	27.9	<0.17	<0.33	<1.7	<0.96	<2.6
RR1 (30)	**7/30/2024**	<0.50	<0.50	17.5	<0.17	<0.33	<1.7	<0.96	<2.6
RR1 (60)	**7/30/2024**	<0.50	0.53 I	13.7	<0.17	<0.33	<1.7	<0.96	<2.6
RR2 (15)	**7/26/2024**	<0.50	<0.50	38.1	<0.17	<0.33	<1.7	<0.96	<2.6
RR2 (30)	**7/26/2024**	<0.50	<0.50	22.3	<0.17	<0.33	<1.7	<0.96	<2.6
RR2 (60)	**7/26/2024**	<0.50	<0.50	159.0	<0.17	<0.33	<1.7	<0.96	<2.6
RR3 (15)	**7/30/2024**	<0.50	<0.50	22.2	<0.17	<0.33	<1.7	<0.96	<2.6
RR3 (30)	**7/30/2024**	<0.50	<0.50	18.7	<0.17	<0.33	<1.7	<0.96	<2.6
RR3 (60)	**7/30/2024**	<0.50	0.64 I	16.9	<0.17	<0.33	<1.7	<0.96	<2.6
RR4 (20)	**7/29/2024**	<0.50	<0.50	72.00	<0.17	<0.33	<1.7	<0.96	<2.6
RR4 (60)	**7/29/2024**	<0.50	<0.50	65.1	<0.17	<0.33	<1.7	<0.96	<2.6
RR5 (20)	**7/29/2024**	<0.50	<0.50	102	<0.17	<0.33	<1.7	<0.96	<2.6
RR5 (60)	**7/29/2024**	<0.50	<0.50	126.0	<0.17	<0.33	<1.7	<0.96	<2.6
RR-16 (15)	**7/26/2024**	<0.50	<0.50	25.2	<0.17	<0.33	<1.7	<0.96	<2.6
RR-16 (30)	**7/26/2024**	<0.50	0.59 I	28	<0.17	<0.33	<1.7	<0.96	<2.6
RR-16 (60)	**7/26/2024**	<0.50	0.59 I	14	<0.17	<0.33	4.4 I	<0.96	<2.6
NW 18(20)	**7/30/2024**	<0.50	<0.50	21.1	<0.17	<0.33	<1.7	<0.96	<2.6
NW 18(60)	**7/30/2024**	<0.50	2	18.4	<0.17	<0.33	<1.7	<0.96	<2.6
NW 46(20)	**7/30/2024**	<0.50	<0.50	17.1	<0.17	<0.33	<1.7	<0.96	<2.6
NW 46(60)	**7/30/2024**	<0.50	0.86 I	17.5	<0.17	<0.33	<1.7	<0.96	<2.6
RE 10 (15)	**7/29/2024**	<0.50	<0.50	26.5	<0.17	<0.33	3.9 I	<0.96	<2.6
RE 10 (30)	**7/29/2024**	<0.50	<0.50	26.6	<0.17	<0.33	<1.7	<0.96	<2.6
RE 10 (60)	**7/29/2024**	<0.50	<0.50	21.3	<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

Table 1
Resources Recovery Facility
2024 - Second
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											
RR1 (15)	**7/30/2024**	115	<2.1	<1.0	<3.9	<1.0	68.7	<0.11	<1.0	<11.0	0.14 U
RR1 (30)	**7/30/2024**	212	<2.1	<1.0	<3.9	<1.0	23.3	<0.11	<1.0	<11.0	0.14 U
RR1 (60)	**7/30/2024**	595	<2.1	<1.0	<3.9	<1.0	32.4	<0.11	<1.0	19.8 I	0.14 U
RR2 (15)	**7/26/2024**	88.8	<2.1	<1.0	<3.9	<1.0	52.0	<0.11	<1.0	<11.0	0.14 U
RR2 (30)	**7/26/2024**	300	<2.1	<1.0	<3.9	<1.0	47.8	<0.11	<1.0	<11.0	0.14 U
RR2 (60)	**7/26/2024**	1680	<2.1	<1.0	<3.9	<1.0	398	<0.11	<1.0	<11.0	0.14 U
RR3 (15)	**7/30/2024**	68.4	<2.1	<1.0	<3.9	<1.0	39.8	<0.11	<1.0	<11.0	0.14 U
RR3 (30)	**7/30/2024**	124	<2.1	<1.0	<3.9	<1.0	31.1	<0.11	<1.0	<11.0	0.14 U
RR3 (60)	**7/30/2024**	921	<2.1	<1.0	<3.9	<1.0	37.3	<0.11	<1.0	<11.0	0.14 U
RR4 (20)	**7/29/2024**	27.8 I	<2.1	<1.0	<3.9	<1.0	100	<0.11	<1.0	<11.0	0.14 U
RR4 (60)	**7/29/2024**	545	<2.1	<1.0	<3.9	<1.0	146	<0.11	1.2 I	<11.0	0.14 U
RR5 (20)	**7/29/2024**	37.6 I	<2.1	<1.0	<3.9	<1.0	210	<0.11	<1.0	<11.0	0.14 U
RR5 (60)	**7/29/2024**	267	<2.1	<1.0	<3.9	<1.0	340	<0.11	<1.0	<11.0	0.14 U
RR-16 (15)	**7/26/2024**	44.9	<2.1	<1.0	<3.9	<1.0	22.2	<0.11	<1.0	<11.0	0.14 U
RR-16 (30)	**7/26/2024**	592	<2.1	<1.0	<3.9	<1.0	26.5	<0.11	<1.0	<11.0	0.14 U
RR-16 (60)	**7/26/2024**	624	<2.1	1.5 I	<3.9	<1.0	28.9	<0.11	<1.0	31.5	0.27
NW 18(20)	**7/30/2024**	76.1	<2.1	<1.0	<3.9	<1.0	21.5	<0.11	1.3 I	<11.0	0.14 U
NW 18(60)	**7/30/2024**	750	<2.1	<1.0	<3.9	<1.0	32.7	<0.11	<1.0	<11.0	0.14 U
NW 46(20)	**7/30/2024**	165	<2.1	<1.0	<3.9	<1.0	20.0	<0.11	<1.0	<11.0	0.14 U
NW 46(60)	**7/30/2024**	752	<2.1	<1.0	<3.9	<1.0	28.8	<0.11	<1.0	<11.0	0.14 U
RE 10 (15)	**7/29/2024**	30.6 I	<2.1	<1.0	<3.9	<1.0	52.4	<0.11	<1.0	<11.0	0.14 U
RE 10 (30)	**7/29/2024**	390	<2.1	<1.0	<3.9	<1.0	52.4	<0.11	<1.0	<11.0	0.14 U
RE 10 (60)	**7/29/2024**	766	<2.1	<1.0	<3.9	<1.0	45.8	<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- Second
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)	**8/1/2024**	20.91	17.96	2.95	0.97	0.14	7.18	960	28
M3(50)	**8/1/2024**	20.49	17.55	2.94	12.8	0.18	7.2	763	27.5
M3(70)	**8/1/2024**	20.92	17.9	3.02	3.83	0.21	7.21	885	27.1
M4(15)	**NS**	17.85	14.67	3.18	NS	NS	NS	NS	NS
M4(30)	**8/1/2024**	17.89	14.6	3.29	12.2	0.15	7.24	797	27.2
M4(60)	**8/1/2024**	17.76	14.86	2.90	7.47	0.06	7.22	785	26.8
M11 (15)	**7/31/2024**	NS	4.5	NS	1.06	0.05	6.83	924	28.3
M11 (30)	**7/31/2024**	7.01	4.15	2.86	0.54	0.04	6.83	910	27.2
M11 (60)	**NS**	NS	NS	NS	NS	NS	NS	NS	NS
M12 (20)	**7/31/2024**	7.65	4.82	2.83	0.55	0.02	7.06	607	27.5
M12 (60)	**7/31/2024**	7.63	4.72	2.91	0.93	0.03	7.14	584	26.5
M13 (20)	**7/31/2024**	7.39	4.59	2.80	6.74	1.4	6.82	796	27
M13 (60)	**7/31/2024**	7.41	4.48	2.93	14.96	0.3	6.89	789	26.3
M14 (20)	**7/31/2024**	7.00	4.2	2.80	0.31	0.02	6.88	870	27.8
M14 (60)	**7/31/2024**	6.98	4.15	4.20	0.54	0.03	6.89	993	27.2
M15 (20)	**8/1/2024**	12.99	9.83	3.16	2.03	0.06	6.87	941	29
M15 (60)	**8/1/2024**	13.27	10.21	3.06	1.71	0.07	6.61	836	28.1
M16 (20)	**8/1/2024**	17.06	13.82	3.24	1.85	0.02	7.78	335	28.1
M16 (60)	**8/1/2024**	17.63	14.49	3.14	1.19	0.02	6.90	1663	27.5
BC5 (20)	**8/1/2024**	NA	5.14	NA	10.3	0.07	7.2	650	32.5
BC5 (60)	**8/1/2024**	NA	4.73	NA	1.33	0.2	7.34	469	32.4
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- Second
Semiannual Water Quality Monitoring Report

GROUNDWATER MONITORING
GENERAL CHEMISTRY

Well	Sampling Date	TDS mg/l	Fe ug/l	Color
HISTORIC WELLS				
M3(30)	8/1/2024	461	1940	tan
M3(50)	8/1/2024	379	1300	tan
M3(70)	8/1/2024	449	2760	clear
M4(15)	NS	NS	NS	NS
M4(30)	8/1/2024	407	2190	clear
M4(60)	8/1/2024	411	986	clear
M11 (15)	7/31/2024	445	5530	yellow
M11 (30)	7/31/2024	436	3660	yellow
M11 (60)	NS	NS	NS	NS
M12 (20)	7/31/2024	339	723	clear
M12 (60)	7/31/2024	361	582	clear
M13 (20)	7/31/2024	432	1070	clear
M13 (60)	7/31/2024	458	1920	clear
M14 (20)	7/31/2024	472	1310	clear
M14 (60)	7/31/2024	483	2240	clear
M15 (20)	8/1/2024	420	1600	clear
M15 (60)	8/1/2024	447	7630	clear
M16 (20)	8/1/2024	192	46.6	yellow
M16 (60)	8/1/2024	1140	219	yellow
BC5 (20)	8/1/2024	306	507	yellow
BC5 (60)	8/1/2024	259	86.6	clear
MCL's		250 mg/l SDWS	1000 ug/l 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
Second 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)	**7/31/2024**	9.95	6.80	3.15	0.39	0.1	7.16	359	29.2
NW23 (30)	**7/31/2024**	8.78	5.63	3.15	0.32	0.4	7.07	782	26.5
NW23 (60)	**7/31/2024**	9.24	5.08	4.16	1.17	0.30	7.07	337	26.7
RR17 (20)	**7/30/2024**	7.64	4.44	3.20	0.74	0.05	7.17	516	30.0
RR17 (60)	**7/31/2024**	8.88	5.71	3.17	0.2	0.3	7.01	597	26.1
RR19 (20)	**7/26/2024**	10.50	7.34	3.16	0.02	0.01	7.09	703	30.8
RR19 (60)	**7/26/2024**	10.58	7.42	3.16	0.19	0.02	7.26	691	28.7
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
Second 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)	**7/31/2024**	4.8 I	<0.025	0.072	0.8	0.68	21.4	50.1	220	187
NW23 (30)	**7/31/2024**	111	<0.025	1.60	1.8	0.27 I	25.7	53.6	430	224
NW23 (60)	**7/31/2024**	18.4	<0.025	0.19	0.8	0.63	29.2	9.3	217	163
RR17 (20)	**7/30/2024**	37.5	<0.025	0.76	0.96	0.20 U	22.3	7.8	281	199
RR17 (60)	**7/31/2024**	50.5	<0.025	1.10	1.5	0.48 I	32.9	13.9	359	234
RR19 (20)	**7/26/2024**	88.1	<0.025	1.20	1.3	0.20 U	28.6	8.7	393	211
RR19 (60)	**7/26/2024**	85.2	<0.025	1.50	1.5	0.20 U	30.9	9.5	400	229
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
Second 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)	7/31/2024	<0.50	1.3	17.5	<0.17	<0.33	<1.7	<0.96	<2.6
NW23 (30)	7/31/2024	<0.50	<0.50	38.3	<0.17	<0.33	<1.7	<0.96	<2.6
NW23 (60)	7/31/2024	<0.50	1.6	16.2	<0.17	<0.33	<1.7	<0.96	<2.6
RR17 (20)	7/30/2024	<0.50	<0.50	18.1	<0.17	<0.33	<1.7	<0.96	<2.6
RR17 (60)	7/31/2024	<0.50	1.1	18	<0.17	<0.33	<1.7	<0.96	<2.6
RR19 (20)	7/26/2024	<0.50	<0.50	29.6	<0.17	<0.33	<1.7	<0.96	<2.6
RR19 (60)	7/26/2024	<0.50	<0.50	28.9	<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
Second 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)	7/31/2024	628	<2.1	<1.0	<3.9	<1.0	3.3	<0.11	<1.0	<11.0	0.14 U
NW23 (30)	7/31/2024	288	<2.1	<1.0	<3.9	<1.0	61.1	<0.11	<1.0	<11.0	0.14 U
NW23 (60)	7/31/2024	481	<2.1	<1.0	<3.9	<1.0	10.2	<0.11	<1.0	<11.0	0.14 U
RR17 (20)	7/30/2024	409	<2.1	<1.0	<3.9	<1.0	25	<0.11	<1.0	<11.0	0.14 U
RR17 (60)	7/31/2024	1070	<2.1	<1.0	<3.9	<1.0	31.7	<0.11	<1.0	<11.0	0.14 U
RR19 (20)	7/26/2024	49.1	<2.1	<1.0	<3.9	<1.0	43.1	<0.11	<1.0	<11.0	0.14 U
RR19 (60)	7/26/2024	817	<2.1	<1.0	<3.9	<1.0	42.9	<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
NS= Not sampled

Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

July 31, 2024

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

RE: Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on July 16, 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 - Baton Rouge
- Pace Analytical Services - Ormond Beach

Revision 1: This report replaces the 07/26/2024 report. This report has been revised to add un-ionized ammonia calculation.

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
Arelys Roman, Miami-Dade Department of Solid Waste Management

This report shall not be reproduced, except in full,
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Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

CERTIFICATIONS

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

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
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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
Nevada Certification: FL NELAC Reciprocity
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
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Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
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North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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Florida Dept of Health (NELAC/FELAP): E87854
DoD ELAP (A2LA) #: 6429.01
Alabama DEM #: 41900
Alaska DEC-DW #: LA00024
Alaska DEC CS-LAP #: 21-001
Arkansas DEQ #: 88-0655
California ELAP #: 3063
Georgia DPD #: C050
Hawaii DOH State Laboratories Division
Illinois EPA #: 200048
Kansas DoHE #: E-10354
Kentucky DEP UST Branch #: 123054
Louisiana DOH #: LA036
Minnesota DOH #: 2233799
Mississippi State Dept of Health
Montana Department of Environmental Quality
Nebraska DHHS #: NE-OS-35.21
Nevada DCNR DEP #: LA00024
New York DOH #: 12149
North Carolina DEQ - WW & GW #: 618
North Dakota DEQ #: R195
Ohio EPA #: 87782
Oklahoma Dept of Environmental Quality #: 9403
Oregon ELAP #: 4168
Pennsylvania Dept of Environmental Protection #: 68-05973
South Carolina DHEC #: 73006001
Texas CEQ #: T104704178-23-15
Utah DOH #: LA00024
Virginia DCLS #: 6460215
Washington Dept of Ecology #: C929
Wisconsin DNR #: 399139510

REPORT OF LABORATORY ANALYSIS

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(954)582-4300

SAMPLE SUMMARY

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35892505001	**COMP**	Water	07/16/24 11:12	07/16/24 16:30
35892505002	**GRAB**	Water	07/16/24 11:17	07/16/24 16:30
35892505003	**FIELD BLANK 071624**	Water	07/16/24 11:34	07/16/24 16:30

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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35892505001	**COMP**	EPA 200.7	AF	16	PASI-O
		EPA 200.8	BSL	1	PASI-O
		EPA 245.1	JNK	1	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	WW1	1	PASI-O
		SM 2540D	VAG	1	PASI-O
		SM 5210B	SAH	1	PASI-O
		EPA 300.0	EAD	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 353.2	KW1	1	PASI-O
		FLDEP SOP 10/03/83	MWD	2	PASI-O
35892505002	**GRAB**	EPA 1664A	JG	1	PASI-BR
		EPA 504.1	SAM1	2	PASI-O
		EPA 608.3	CB1	9	PASI-O
		EPA 608.3	CB1	20	PASI-O
		EPA 624.1	AST	38	PASI-O
		EPA 8260	AS4	15	PASI-O
		EPA 420.4 Rev 1.0 1993	ARJ	1	PASI-A
		SM 5310B	JH	1	PASI-O
35892505003	**FIELD BLANK 071624**	EPA 1664A	JG	1	PASI-BR
		EPA 504.1	SAM1	2	PASI-O
		EPA 608.3	CB1	9	PASI-O
		EPA 608.3	CB1	20	PASI-O
		EPA 200.7	AF	16	PASI-O
		EPA 200.8	BSL	1	PASI-O
		EPA 245.1	JNK	1	PASI-O
		EPA 624.1	AST	38	PASI-O
		EPA 8260	AST	15	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	WW1	1	PASI-O
		SM 2540D	VAG	1	PASI-O
		SM 5210B	SAH	1	PASI-O
		EPA 300.0	EAD	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 353.2	KW1	1	PASI-O
		EPA 420.4 Rev 1.0 1993	ARJ	1	PASI-A
		SM 5310B	JH	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		FLDEP SOP 10/03/83	MWD	2	PASI-O

PASI-A = Pace Analytical Services - Asheville
PASI-BR = Pace Analytical Services - Baton Rouge
PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

Sample: COMP **Lab ID: 35892505001** Collected: 07/16/24 11:12 Received: 07/16/24 16:30 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	**6.5 I**	ug/L	15.0	5.5	1	07/19/24 00:54	07/23/24 01:53	7440-36-0	
Arsenic	**4.2 I**	ug/L	10.0	3.4	1	07/19/24 00:54	07/23/24 01:53	7440-38-2	
Barium	**2500**	ug/L	20.0	1.7	2	07/19/24 00:54	07/24/24 01:57	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/19/24 00:54	07/23/24 01:53	7440-41-7	
Cadmium	**1.5 I**	ug/L	2.0	0.66	2	07/19/24 00:54	07/24/24 01:57	7440-43-9	D3
Chromium	**8.1**	ug/L	5.0	1.7	1	07/19/24 00:54	07/23/24 01:53	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/19/24 00:54	07/23/24 01:53	7440-48-4	
Copper	**6.1**	ug/L	5.0	2.6	1	07/19/24 00:54	07/23/24 01:53	7440-50-8	
Iron	**593**	ug/L	40.0	25.0	1	07/19/24 00:54	07/23/24 01:53	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/19/24 00:54	07/23/24 01:53	7439-92-1	
Nickel	**6.0**	ug/L	5.0	1.0	1	07/19/24 00:54	07/23/24 01:53	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/19/24 00:54	07/23/24 01:53	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/19/24 00:54	07/23/24 01:53	7440-22-4	
Sodium	**6700**	mg/L	100	27.0	50	07/19/24 00:54	07/24/24 02:00	7440-23-5	
Vanadium	**3.5 I**	ug/L	10.0	1.0	1	07/19/24 00:54	07/23/24 01:53	7440-62-2	
Zinc	**25.9**	ug/L	20.0	11.0	1	07/19/24 00:54	07/23/24 01:53	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	07/19/24 00:54	07/24/24 15:15	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	07/23/24 09:12	07/23/24 14:02	7439-97-6	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**660**	mg/L	5.0	5.0	1		07/17/24 15:16		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**32200**	mg/L	250	250	1		07/22/24 10:32		
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Ormond Beach								
Total Suspended Solids	**24.0**	mg/L	5.0	5.0	1		07/17/24 10:41		
5210B BOD, 5 day	Analytical Method: SM 5210B Pace Analytical Services - Ormond Beach								
BOD, 5 day	**58.4**	mg/L	26.0	26.0	20	07/17/24 16:19	07/22/24 16:04		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**18600**	mg/L	1000	500	200		07/24/24 20:21	16887-00-6	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

Sample: COMP **Lab ID: 35892505001** Collected: 07/16/24 11:12 Received: 07/16/24 16:30 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	**66.5**	mg/L	0.25	0.17	5		07/18/24 12:19	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		07/17/24 14:26	14797-55-8	
Un-ionized Ammonia, Ammonium	Analytical Method: FLDEP SOP 10/03/83 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonium	**66.4**	mg/L	0.050	0.035	1		07/30/24 16:13	7764-41-7	N2
Nitrogen, Ammonia (Unionized)	**0.11**	mg/L	0.020	0.020	1		07/30/24 16:13		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

Sample: GRAB **Lab ID: 35892505002** Collected: 07/16/24 11:17 Received: 07/16/24 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
BR HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - Baton Rouge								
Oil and Grease	**1.7 U**	mg/L	5.6	1.7	1		07/20/24 08:25		
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.22**	Std. Units			1		07/16/24 11:17		
Field Temperature	**30.4**	deg C			1		07/16/24 11:17		
Field Specific Conductance	**5028**	umhos/cm			1		07/16/24 11:17		
Oxygen, Dissolved	**0.40**	mg/L			1		07/16/24 11:17	7782-44-7	
Turbidity	**18.2**	NTU			1		07/16/24 11:17		
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	**0.0063 U**	ug/L	0.020	0.0063	1	07/17/24 12:48	07/17/24 19:58	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0099	0.0074	1	07/17/24 12:48	07/17/24 19:58	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)	**0.40 U**	ug/L	1.0	0.40	2	07/17/24 16:10	07/26/24 07:56	12674-11-2	ED
PCB-1221 (Aroclor 1221)	**0.47 U**	ug/L	1.0	0.47	2	07/17/24 16:10	07/26/24 07:56	11104-28-2	ED
PCB-1232 (Aroclor 1232)	**0.63 U**	ug/L	1.0	0.63	2	07/17/24 16:10	07/26/24 07:56	11141-16-5	ED
PCB-1242 (Aroclor 1242)	**0.26 U**	ug/L	1.0	0.26	2	07/17/24 16:10	07/26/24 07:56	53469-21-9	ED
PCB-1248 (Aroclor 1248)	**0.56 U**	ug/L	1.0	0.56	2	07/17/24 16:10	07/26/24 07:56	12672-29-6	ED
PCB-1254 (Aroclor 1254)	**0.30 U**	ug/L	1.0	0.30	2	07/17/24 16:10	07/26/24 07:56	11097-69-1	ED
PCB-1260 (Aroclor 1260)	**0.23 U**	ug/L	1.0	0.23	2	07/17/24 16:10	07/26/24 07:56	11096-82-5	ED
Surrogates									
Tetrachloro-m-xylene (S)	68	%	14-138		2	07/17/24 16:10	07/26/24 07:56	877-09-8	
Decachlorobiphenyl (S)	55	%	10-141		2	07/17/24 16:10	07/26/24 07:56	2051-24-3	
608.3 GCS Pesticides	Analytical Method: EPA 608.3 Preparation Method: EPA 608.3 Pace Analytical Services - Ormond Beach								
Aldrin	**0.094 U**	ug/L	0.82	0.094	10	07/17/24 16:09	07/24/24 08:56	309-00-2	D3,ED
alpha-BHC	**0.021 U**	ug/L	0.10	0.021	10	07/17/24 16:09	07/24/24 08:56	319-84-6	D3,ED
beta-BHC	**0.20 U**	ug/L	0.31	0.20	10	07/17/24 16:09	07/24/24 08:56	319-85-7	D3,ED
delta-BHC	**0.10 U**	ug/L	0.10	0.10	10	07/17/24 16:09	07/24/24 08:56	319-86-8	D3,ED
gamma-BHC (Lindane)	**0.054 U**	ug/L	0.10	0.054	10	07/17/24 16:09	07/24/24 08:56	58-89-9	D3,ED
Chlordane (Technical)	**0.50 U**	ug/L	1.0	0.50	2	07/17/24 16:09	07/18/24 10:01	57-74-9	ED
4,4'-DDD	**0.0055 U**	ug/L	0.020	0.0055	2	07/17/24 16:09	07/19/24 11:43	72-54-8	ED
4,4'-DDE	**0.010 U**	ug/L	0.020	0.010	2	07/17/24 16:09	07/19/24 11:43	72-55-9	ED
4,4'-DDT	**0.010 U**	ug/L	0.020	0.010	2	07/17/24 16:09	07/19/24 11:43	50-29-3	ED
Dieldrin	**0.0041 U**	ug/L	0.061	0.0041	2	07/17/24 16:09	07/19/24 11:43	60-57-1	ED
Endosulfan I	**0.052 U**	ug/L	0.10	0.052	10	07/17/24 16:09	07/24/24 08:56	959-98-8	D3,ED
Endosulfan II	**0.0082 U**	ug/L	0.020	0.0082	2	07/17/24 16:09	07/19/24 11:43	33213-65-9	ED
Endosulfan sulfate	**0.0055 U**	ug/L	0.20	0.0055	2	07/17/24 16:09	07/19/24 11:43	1031-07-8	ED
Endrin	**0.0088 U**	ug/L	0.020	0.0088	2	07/17/24 16:09	07/19/24 11:43	72-20-8	ED
Endrin aldehyde	**0.0074 U**	ug/L	0.20	0.0074	2	07/17/24 16:09	07/19/24 11:43	7421-93-4	ED

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

Sample: GRAB **Lab ID: 35892505002** Collected: 07/16/24 11:17 Received: 07/16/24 16:30 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								
Heptachlor	**0.063 U**	ug/L	0.10	0.063	10	07/17/24 16:09	07/24/24 08:56	76-44-8	D3,ED
Heptachlor epoxide	**0.030 U**	ug/L	0.20	0.030	10	07/17/24 16:09	07/24/24 08:56	1024-57-3	D3,ED
Toxaphene	**0.51 U**	ug/L	1.0	0.51	2	07/17/24 16:09	07/18/24 10:01	8001-35-2	ED
Surrogates									
Tetrachloro-m-xylene (S)	75	%	14-138		10	07/17/24 16:09	07/24/24 08:56	877-09-8	
Decachlorobiphenyl (S)	47	%	10-141		2	07/17/24 16:09	07/19/24 11:43	2051-24-3	
624.1 Volatile Organics	Analytical Method: EPA 624.1 Pace Analytical Services - Ormond Beach								
Acetone	**85.1**	ug/L	25.0	8.7	1		07/18/24 03:06	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/18/24 03:06	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/18/24 03:06	71-43-2	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		07/18/24 03:06	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/18/24 03:06	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/18/24 03:06	74-83-9	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/18/24 03:06	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/18/24 03:06	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/18/24 03:06	75-00-3	
2-Chloroethylvinyl ether	**6.1 U**	ug/L	40.0	6.1	1		07/18/24 03:06	110-75-8	c3
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/18/24 03:06	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/18/24 03:06	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/18/24 03:06	124-48-1	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/18/24 03:06	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/18/24 03:06	106-46-7	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/18/24 03:06	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		07/18/24 03:06	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/18/24 03:06	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/18/24 03:06	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/18/24 03:06	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/18/24 03:06	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/18/24 03:06	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/18/24 03:06	10061-02-6	
Ethylbenzene	**1.4**	ug/L	1.0	0.30	1		07/18/24 03:06	100-41-4	
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/18/24 03:06	75-09-2	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/18/24 03:06	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/18/24 03:06	127-18-4	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/18/24 03:06	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/18/24 03:06	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/18/24 03:06	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/18/24 03:06	75-69-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/18/24 03:06	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/18/24 03:06	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/18/24 03:06	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/18/24 03:06	95-47-6	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

Sample: GRAB **Lab ID: 35892505002** Collected: 07/16/24 11:17 Received: 07/16/24 16:30 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								
Surrogates									
4-Bromofluorobenzene (S)	116	%	60-140		1		07/18/24 03:06	460-00-4	
Toluene-d8 (S)	103	%	60-140		1		07/18/24 03:06	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	95	%	60-140		1		07/18/24 03:06	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		07/18/24 21:13	74-97-5	
2-Butanone (MEK)	**9.5 I**	ug/L	50.0	6.7	1		07/18/24 21:13	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/18/24 21:13	75-15-0	J(v1),L3
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/18/24 21:13	74-95-3	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/18/24 21:13	110-57-6	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/18/24 21:13	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/18/24 21:13	74-88-4	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/18/24 21:13	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/18/24 21:13	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/18/24 21:13	630-20-6	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/18/24 21:13	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/18/24 21:13	108-05-4	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		07/18/24 21:13	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		07/18/24 21:13	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		07/18/24 21:13	2199-69-1	
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	**0.22**	mg/L	0.020	0.016	4	07/24/24 15:32	07/25/24 15:52	64743-03-9	
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**58.3**	mg/L	2.0	1.0	2		07/19/24 05:45	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

Sample: FIELD BLANK 071624 **Lab ID: 35892505003** Collected: 07/16/24 11:34 Received: 07/16/24 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
BR HEM, Oil and Grease	Analytical Method: EPA 1664A Pace Analytical Services - Baton Rouge								
Oil and Grease	**1.5 U**	mg/L	5.0	1.5	1		07/20/24 08:25		
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	0.020	0.0066	1	07/17/24 12:48	07/17/24 20:10	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	07/17/24 12:48	07/17/24 20:10	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	0.52	0.20	1	07/17/24 16:10	07/19/24 20:03	12674-11-2	
PCB-1221 (Aroclor 1221)	**0.24 U**	ug/L	0.52	0.24	1	07/17/24 16:10	07/19/24 20:03	11104-28-2	
PCB-1232 (Aroclor 1232)	**0.32 U**	ug/L	0.52	0.32	1	07/17/24 16:10	07/19/24 20:03	11141-16-5	
PCB-1242 (Aroclor 1242)	**0.13 U**	ug/L	0.52	0.13	1	07/17/24 16:10	07/19/24 20:03	53469-21-9	
PCB-1248 (Aroclor 1248)	**0.28 U**	ug/L	0.52	0.28	1	07/17/24 16:10	07/19/24 20:03	12672-29-6	
PCB-1254 (Aroclor 1254)	**0.15 U**	ug/L	0.52	0.15	1	07/17/24 16:10	07/19/24 20:03	11097-69-1	
PCB-1260 (Aroclor 1260)	**0.11 U**	ug/L	0.52	0.11	1	07/17/24 16:10	07/19/24 20:03	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	83	%	14-138		1	07/17/24 16:10	07/19/24 20:03	877-09-8	
Decachlorobiphenyl (S)	42	%	10-141		1	07/17/24 16:10	07/19/24 20:03	2051-24-3	
608.3 GCS Pesticides	Analytical Method: EPA 608.3 Preparation Method: EPA 608.3 Pace Analytical Services - Ormond Beach								
Aldrin	**0.0095 U**	ug/L	0.083	0.0095	1	07/17/24 16:09	07/19/24 11:57	309-00-2	
alpha-BHC	**0.0022 U**	ug/L	0.010	0.0022	1	07/17/24 16:09	07/19/24 11:57	319-84-6	
beta-BHC	**0.021 U**	ug/L	0.031	0.021	1	07/17/24 16:09	07/19/24 11:57	319-85-7	
delta-BHC	**0.010 U**	ug/L	0.010	0.010	1	07/17/24 16:09	07/19/24 11:57	319-86-8	
gamma-BHC (Lindane)	**0.0055 U**	ug/L	0.010	0.0055	1	07/17/24 16:09	07/19/24 11:57	58-89-9	
Chlordane (Technical)	**0.25 U**	ug/L	0.52	0.25	1	07/17/24 16:09	07/18/24 10:14	57-74-9	
4,4'-DDD	**0.0028 U**	ug/L	0.010	0.0028	1	07/17/24 16:09	07/19/24 11:57	72-54-8	
4,4'-DDE	**0.0052 U**	ug/L	0.010	0.0052	1	07/17/24 16:09	07/19/24 11:57	72-55-9	
4,4'-DDT	**0.0053 U**	ug/L	0.010	0.0053	1	07/17/24 16:09	07/19/24 11:57	50-29-3	
Dieldrin	**0.0021 U**	ug/L	0.031	0.0021	1	07/17/24 16:09	07/19/24 11:57	60-57-1	
Endosulfan I	**0.0053 U**	ug/L	0.010	0.0053	1	07/17/24 16:09	07/19/24 11:57	959-98-8	
Endosulfan II	**0.0041 U**	ug/L	0.010	0.0041	1	07/17/24 16:09	07/19/24 11:57	33213-65-9	
Endosulfan sulfate	**0.0028 U**	ug/L	0.10	0.0028	1	07/17/24 16:09	07/19/24 11:57	1031-07-8	
Endrin	**0.0045 U**	ug/L	0.010	0.0045	1	07/17/24 16:09	07/19/24 11:57	72-20-8	
Endrin aldehyde	**0.0037 U**	ug/L	0.10	0.0037	1	07/17/24 16:09	07/19/24 11:57	7421-93-4	
Heptachlor	**0.0064 U**	ug/L	0.010	0.0064	1	07/17/24 16:09	07/19/24 11:57	76-44-8	
Heptachlor epoxide	**0.0030 U**	ug/L	0.021	0.0030	1	07/17/24 16:09	07/19/24 11:57	1024-57-3	
Toxaphene	**0.26 U**	ug/L	0.52	0.26	1	07/17/24 16:09	07/18/24 10:14	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	74	%	14-138		1	07/17/24 16:09	07/19/24 11:57	877-09-8	
Decachlorobiphenyl (S)	38	%	10-141		1	07/17/24 16:09	07/19/24 11:57	2051-24-3	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

Sample: FIELD BLANK 071624 **Lab ID: 35892505003** Collected: 07/16/24 11:34 Received: 07/16/24 16:30 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	07/19/24 00:54	07/23/24 01:57	7440-36-0	
Arsenic	**3.4 U**	ug/L	10.0	3.4	1	07/19/24 00:54	07/23/24 01:57	7440-38-2	
Barium	**0.84 U**	ug/L	10.0	0.84	1	07/19/24 00:54	07/23/24 01:57	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/19/24 00:54	07/23/24 01:57	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/19/24 00:54	07/23/24 01:57	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/19/24 00:54	07/23/24 01:57	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/19/24 00:54	07/23/24 01:57	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/19/24 00:54	07/23/24 01:57	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	07/19/24 00:54	07/23/24 01:57	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/19/24 00:54	07/23/24 01:57	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/19/24 00:54	07/23/24 01:57	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/19/24 00:54	07/23/24 01:57	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/19/24 00:54	07/23/24 01:57	7440-22-4	
Sodium	**0.54 U**	mg/L	2.0	0.54	1	07/19/24 00:54	07/23/24 01:57	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/19/24 00:54	07/23/24 01:57	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/19/24 00:54	07/23/24 01:57	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	07/19/24 00:54	07/24/24 15:18	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	07/23/24 09:12	07/23/24 14:08	7439-97-6	
624.1 Volatile Organics	Analytical Method: EPA 624.1 Pace Analytical Services - Ormond Beach								
Acetone	**14.7 I**	ug/L	25.0	8.7	1		07/17/24 23:22	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/17/24 23:22	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/17/24 23:22	71-43-2	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		07/17/24 23:22	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/17/24 23:22	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/17/24 23:22	74-83-9	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/17/24 23:22	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/17/24 23:22	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/17/24 23:22	75-00-3	
2-Chloroethylvinyl ether	**6.1 U**	ug/L	40.0	6.1	1		07/17/24 23:22	110-75-8	c3
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/17/24 23:22	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/17/24 23:22	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/17/24 23:22	124-48-1	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/17/24 23:22	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/17/24 23:22	106-46-7	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/17/24 23:22	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		07/17/24 23:22	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/17/24 23:22	75-35-4	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

Sample: FIELD BLANK 071624 **Lab ID: 35892505003** Collected: 07/16/24 11:34 Received: 07/16/24 16:30 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		07/17/24 23:22	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/17/24 23:22	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/17/24 23:22	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/17/24 23:22	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/17/24 23:22	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/17/24 23:22	100-41-4	
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/17/24 23:22	75-09-2	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/17/24 23:22	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/17/24 23:22	127-18-4	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/17/24 23:22	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/17/24 23:22	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/17/24 23:22	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/17/24 23:22	75-69-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/17/24 23:22	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/17/24 23:22	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/17/24 23:22	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/17/24 23:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	60-140		1		07/17/24 23:22	460-00-4	
Toluene-d8 (S)	102	%	60-140		1		07/17/24 23:22	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	98	%	60-140		1		07/17/24 23:22	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		07/24/24 11:35	74-97-5	
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/24/24 11:35	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/24/24 11:35	75-15-0	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/24/24 11:35	74-95-3	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/24/24 11:35	110-57-6	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/24/24 11:35	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/24/24 11:35	74-88-4	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/24/24 11:35	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/24/24 11:35	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/24/24 11:35	630-20-6	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/24/24 11:35	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/24/24 11:35	108-05-4	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/24/24 11:35	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		07/24/24 11:35	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		07/24/24 11:35	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		07/17/24 15:36		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

Sample: FIELD BLANK 071624 **Lab ID: 35892505003** Collected: 07/16/24 11:34 Received: 07/16/24 16:30 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		07/22/24 10:32		
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		07/17/24 10:41		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	07/17/24 16:32	07/22/24 16:14		
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		07/24/24 20:43	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		07/18/24 12:24	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		07/17/24 14:38	14797-55-8	
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	**0.0099**	mg/L	0.0050	0.0039	1	07/24/24 15:32	07/25/24 15:10	64743-03-9	
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**0.50 U**	mg/L	1.0	0.50	1		07/19/24 06:01	7440-44-0	
Un-ionized Ammonia, Ammonium	Analytical Method: FLDEP SOP 10/03/83 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonium	**0.035 U**	mg/L	0.050	0.035	1		07/30/24 16:13	7764-41-7	N2
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.020	0.020	1		07/30/24 16:13		

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 335881
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: BR 1664A HEM, Oil and Grease
Laboratory: Pace Analytical Services - Baton Rouge
Associated Lab Samples: 35892505002, 35892505003

METHOD BLANK: 1611758 Matrix: Water
Associated Lab Samples: 35892505002, 35892505003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Oil and Grease	mg/L	1.5 U	5.0	1.5	07/20/24 08:25	

LABORATORY CONTROL SAMPLE & LCSD: 1611759 1611760

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	50	51.9	51.0	104	102	78-114	2	18	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1028130
QC Batch Method: EPA 245.1
Analysis Method: EPA 245.1
Analysis Description: 245.1 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505001, 35892505003

METHOD BLANK: 5650767 Matrix: Water
Associated Lab Samples: 35892505001, 35892505003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.14 U	0.20	0.14	07/23/24 13:20	

LABORATORY CONTROL SAMPLE: 5650768

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5650769 5650770

Parameter	Units	35890496001 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	102	100	70-130	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5650771 5650772

Parameter	Units	35892505001 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	1.6	1.6	78	78	70-130	0	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1027477
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505001, 35892505003

METHOD BLANK: 5647579 Matrix: Water
Associated Lab Samples: 35892505001, 35892505003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	5.5 U	15.0	5.5	07/23/24 00:40	
Arsenic	ug/L	3.4 U	10.0	3.4	07/23/24 00:40	
Barium	ug/L	0.84 U	10.0	0.84	07/23/24 00:40	
Beryllium	ug/L	0.17 U	4.0	0.17	07/23/24 00:40	
Cadmium	ug/L	0.33 U	1.0	0.33	07/23/24 00:40	
Chromium	ug/L	1.7 U	5.0	1.7	07/23/24 00:40	
Cobalt	ug/L	0.96 U	10.0	0.96	07/23/24 00:40	
Copper	ug/L	2.6 U	5.0	2.6	07/23/24 00:40	
Iron	ug/L	25.0 U	40.0	25.0	07/23/24 00:40	
Lead	ug/L	2.1 U	10.0	2.1	07/23/24 00:40	
Nickel	ug/L	1.0 U	5.0	1.0	07/23/24 00:40	
Selenium	ug/L	3.9 U	15.0	3.9	07/23/24 00:40	
Silver	ug/L	1.0 U	5.0	1.0	07/23/24 00:40	
Sodium	mg/L	0.54 U	2.0	0.54	07/23/24 00:40	
Vanadium	ug/L	1.0 U	10.0	1.0	07/23/24 00:40	
Zinc	ug/L	11.0 U	20.0	11.0	07/23/24 00:40	

LABORATORY CONTROL SAMPLE: 5647580

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	250	255	102	85-115	
Arsenic	ug/L	250	242	97	85-115	
Barium	ug/L	250	268	107	85-115	
Beryllium	ug/L	25	25.6	103	85-115	
Cadmium	ug/L	25	25.4	102	85-115	
Chromium	ug/L	250	252	101	85-115	
Cobalt	ug/L	250	256	103	85-115	
Copper	ug/L	250	258	103	85-115	
Iron	ug/L	2500	2630	105	85-115	
Lead	ug/L	250	261	104	85-115	
Nickel	ug/L	250	258	103	85-115	
Selenium	ug/L	250	252	101	85-115	
Silver	ug/L	25	25.5	102	85-115	
Sodium	mg/L	12.5	13.2	106	85-115	
Vanadium	ug/L	250	260	104	85-115	
Zinc	ug/L	1250	1260	101	85-115	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5647581 5647582

Parameter	Units	35891268004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	5.5 U	250	250	255	254	102	101	70-130	0	20	
Arsenic	ug/L	3.4 U	250	250	244	245	98	98	70-130	0	20	
Barium	ug/L	15.9	250	250	286	280	108	106	70-130	2	20	
Beryllium	ug/L	0.17 U	25	25	25.9	25.9	104	103	70-130	0	20	
Cadmium	ug/L	0.33 U	25	25	25.4	25.4	102	102	70-130	0	20	
Chromium	ug/L	1.7 U	250	250	256	253	102	101	70-130	1	20	
Cobalt	ug/L	0.96 U	250	250	258	257	103	103	70-130	0	20	
Copper	ug/L	2.6 U	250	250	263	259	105	103	70-130	2	20	
Iron	ug/L	901	2500	2500	3500	3520	104	105	70-130	0	20	
Lead	ug/L	2.1 U	250	250	262	261	105	104	70-130	0	20	
Nickel	ug/L	1.0 U	250	250	260	259	104	104	70-130	0	20	
Selenium	ug/L	3.9 U	250	250	249	249	99	99	70-130	0	20	
Silver	ug/L	1.0 U	25	25	25.6	25.8	101	102	70-130	1	20	
Sodium	mg/L	2500 ug/L	12.5	12.5	15.8	15.7	107	106	70-130	0	20	
Vanadium	ug/L	1.0 U	250	250	264	261	105	104	70-130	1	20	
Zinc	ug/L	11.0 U	1250	1250	1260	1260	101	101	70-130	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5647583 5647584

Parameter	Units	92740974001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	250	250	252	251	101	100	70-130	0	20	
Arsenic	ug/L	ND	250	250	243	241	97	96	70-130	1	20	
Barium	ug/L	27.0	250	250	289	287	105	104	70-130	1	20	
Beryllium	ug/L	ND	25	25	25.3	25.3	101	101	70-130	0	20	
Cadmium	ug/L	ND	25	25	25.5	25.5	102	102	70-130	0	20	
Chromium	ug/L	ND	250	250	253	250	101	100	70-130	1	20	
Cobalt	ug/L	ND	250	250	258	257	103	102	70-130	0	20	
Copper	ug/L	ND	250	250	253	252	101	100	70-130	1	20	
Iron	ug/L	51.6	2500	2500	2710	2750	106	108	70-130	1	20	
Lead	ug/L	ND	250	250	261	260	104	104	70-130	0	20	
Nickel	ug/L	ND	250	250	258	258	103	103	70-130	0	20	
Selenium	ug/L	ND	250	250	247	245	98	98	70-130	1	20	
Silver	ug/L	ND	25	25	25.5	25.5	100	100	70-130	0	20	
Sodium	mg/L	15800 ug/L	12.5	12.5	30.5	30.7	118	119	70-130	1	20	
Vanadium	ug/L	ND	250	250	261	259	104	103	70-130	1	20	
Zinc	ug/L	ND	1250	1250	1270	1270	102	102	70-130	0	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1027476
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505001, 35892505003

METHOD BLANK: 5647571 Matrix: Water
Associated Lab Samples: 35892505001, 35892505003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Thallium	ug/L	0.11 U	1.0	0.11	07/24/24 13:11	

LABORATORY CONTROL SAMPLE: 5647572

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	50	50.9	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5647573 5647574

Parameter	Units	35891268001 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	50.7	49.3	101	99	70-130	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5647575 5647576

Parameter	Units	35891701001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Thallium	ug/L	0.00011 U mg/L	50	50	42.9	42.7	86	85	70-130	0	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1027086
QC Batch Method: EPA 624.1
Analysis Method: EPA 624.1
Analysis Description: 624.1 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505002, 35892505003

METHOD BLANK: 5645703
Matrix: Water
Associated Lab Samples: 35892505002, 35892505003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/17/24 22:16	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	07/17/24 22:16	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/17/24 22:16	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	07/17/24 22:16	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	07/17/24 22:16	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	07/17/24 22:16	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	07/17/24 22:16	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	07/17/24 22:16	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	07/17/24 22:16	
2-Chloroethylvinyl ether	ug/L	6.1 U	40.0	6.1	07/17/24 22:16	
Acetone	ug/L	8.7 U	25.0	8.7	07/17/24 22:16	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	07/17/24 22:16	
Benzene	ug/L	0.30 U	1.0	0.30	07/17/24 22:16	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	07/17/24 22:16	
Bromoform	ug/L	0.48 U	3.0	0.48	07/17/24 22:16	
Bromomethane	ug/L	3.9 U	10.0	3.9	07/17/24 22:16	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	07/17/24 22:16	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	07/17/24 22:16	
Chloroethane	ug/L	3.7 U	10.0	3.7	07/17/24 22:16	
Chloroform	ug/L	0.56 U	1.0	0.56	07/17/24 22:16	
Chloromethane	ug/L	0.43 U	1.0	0.43	07/17/24 22:16	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	07/17/24 22:16	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	07/17/24 22:16	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	07/17/24 22:16	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	07/17/24 22:16	
m&p-Xylene	ug/L	0.75 U	4.0	0.75	07/17/24 22:16	
Methylene Chloride	ug/L	1.7 U	5.0	1.7	07/17/24 22:16	
o-Xylene	ug/L	0.57 U	1.0	0.57	07/17/24 22:16	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	07/17/24 22:16	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	07/17/24 22:16	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	07/17/24 22:16	
Trichloroethene	ug/L	0.36 U	1.0	0.36	07/17/24 22:16	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	07/17/24 22:16	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	07/17/24 22:16	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	07/17/24 22:16	
1,2-Dichlorobenzene-d4 (S)	%	99	60-140		07/17/24 22:16	
4-Bromofluorobenzene (S)	%	102	60-140		07/17/24 22:16	
Toluene-d8 (S)	%	103	60-140		07/17/24 22:16	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

LABORATORY CONTROL SAMPLE: 5645704

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.2	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.3	111	60-140	
1,1,2-Trichloroethane	ug/L	20	20.2	101	70-130	
1,1-Dichloroethane	ug/L	20	19.1	95	70-130	
1,1-Dichloroethene	ug/L	20	22.8	114	50-150	
1,2-Dichlorobenzene	ug/L	20	21.3	107	65-135	
1,2-Dichloroethane	ug/L	20	21.3	107	70-130	
1,2-Dichloropropane	ug/L	20	20.9	105	35-165	
1,4-Dichlorobenzene	ug/L	20	21.6	108	65-135	
2-Chloroethylvinyl ether	ug/L	100	93.9	94	10-225	
Acetone	ug/L	100	127	127	60-140	
Acrylonitrile	ug/L	100	92.1	92	60-140	
Benzene	ug/L	20	19.6	98	65-135	
Bromodichloromethane	ug/L	20	21.8	109	65-135	
Bromoform	ug/L	20	18.0	90	70-130	
Bromomethane	ug/L	20	9.2 I	46	15-185	
Carbon tetrachloride	ug/L	20	19.9	100	70-130	
Chlorobenzene	ug/L	20	20.4	102	65-135	
Chloroethane	ug/L	20	26.4	132	40-160	
Chloroform	ug/L	20	19.4	97	70-135	
Chloromethane	ug/L	20	26.5	133	10-205	
cis-1,2-Dichloroethene	ug/L	20	19.7	98	60-140	
cis-1,3-Dichloropropene	ug/L	20	19.9	100	25-175	
Dibromochloromethane	ug/L	20	20.5	102	70-135	
Ethylbenzene	ug/L	20	20.2	101	60-140	
m&p-Xylene	ug/L	40	40.7	102	60-140	
Methylene Chloride	ug/L	20	24.9	125	60-140	
o-Xylene	ug/L	20	20.4	102	60-140	
Tetrachloroethene	ug/L	20	20.2	101	70-130	
trans-1,2-Dichloroethene	ug/L	20	22.3	112	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.5	103	50-150	
Trichloroethene	ug/L	20	20.0	100	65-135	
Trichlorofluoromethane	ug/L	20	26.2	131	50-150	
Vinyl chloride	ug/L	20	25.9	130	10-195	
Xylene (Total)	ug/L	60	61.1	102	60-140	
1,2-Dichlorobenzene-d4 (S)	%			98	60-140	
4-Bromofluorobenzene (S)	%			101	60-140	
Toluene-d8 (S)	%			99	60-140	

MATRIX SPIKE SAMPLE: 5645706

Parameter	Units	35892518002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	0.30 U	20	14.6	73	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	12.7	63	60-140	
1,1,2-Trichloroethane	ug/L	0.30 U	20	12.1	60	70-130	J(M1)

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

MATRIX SPIKE SAMPLE: 5645706

Parameter	Units	35892518002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/L	0.34 U	20	13.7	68	70-130	J(M1)
1,1-Dichloroethene	ug/L	0.59 U	20	16.3	82	50-150	
1,2-Dichlorobenzene	ug/L	0.60 U	20	12.8	64	65-135	J(M1)
1,2-Dichloroethane	ug/L	0.27 U	20	12.9	64	70-130	J(M1)
1,2-Dichloropropane	ug/L	0.23 U	20	13.8	69	35-165	
1,4-Dichlorobenzene	ug/L	1.2	20	14.0	64	65-135	J(M1)
2-Chloroethylvinyl ether	ug/L	6.1 U	100	59.3	59	10-225	
Acetone	ug/L	131	100	178	47	60-140	J(M1)
Acrylonitrile	ug/L	3.7 U	100	49.8	50	60-140	J(M1)
Benzene	ug/L	1.7	20	15.0	67	65-135	
Bromodichloromethane	ug/L	0.19 U	20	12.8	64	65-135	J(M1)
Bromoform	ug/L	0.48 U	20	9.0	45	70-130	J(M1)
Bromomethane	ug/L	3.9 U	20	7.3 I	36	15-185	
Carbon tetrachloride	ug/L	0.44 U	20	12.8	64	70-130	J(M1)
Chlorobenzene	ug/L	0.35 U	20	13.2	65	65-135	
Chloroethane	ug/L	3.7 U	20	16.4	82	40-160	
Chloroform	ug/L	0.56 U	20	13.7	69	70-135	J(M1)
Chloromethane	ug/L	0.43 U	20	19.9	100	10-205	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	14.0	70	60-140	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	11.1	56	25-175	
Dibromochloromethane	ug/L	0.45 U	20	11.3	57	70-135	J(M1)
Ethylbenzene	ug/L	5.1	20	17.5	62	60-140	
m&p-Xylene	ug/L	5.4	40	30.7	63	60-140	
Methylene Chloride	ug/L	1.7 U	20	15.8	79	60-140	
o-Xylene	ug/L	2.8	20	15.6	64	60-140	
Tetrachloroethene	ug/L	0.38 U	20	13.5	67	70-130	J(M1)
trans-1,2-Dichloroethene	ug/L	0.23 U	20	16.2	81	70-130	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	11.5	57	50-150	
Trichloroethene	ug/L	0.36 U	20	13.5	67	65-135	
Trichlorofluoromethane	ug/L	0.72 U	20	17.8	89	50-150	
Vinyl chloride	ug/L	0.39 U	20	19.4	97	10-195	
Xylene (Total)	ug/L	8.2	60	46.3	63	60-140	
1,2-Dichlorobenzene-d4 (S)	%				95	60-140	
4-Bromofluorobenzene (S)	%				110	60-140	
Toluene-d8 (S)	%				98	60-140	

SAMPLE DUPLICATE: 5645705

Parameter	Units	35892518001 Result	Dup Result	RPD	Max RPD	Qualifiers
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 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

SAMPLE DUPLICATE: 5645705

Parameter	Units	35892518001 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	1.4	1.1	17	57	
2-Chloroethylvinyl ether	ug/L	6.1 U	6.1 U		71	
Acetone	ug/L	136	111	20	40	
Acrylonitrile	ug/L	3.7 U	3.7 U		60	
Benzene	ug/L	1.8	1.6	8	61	
Bromodichloromethane	ug/L	0.19 U	0.19 U		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	0.56 U	0.56 U		54	
Chloromethane	ug/L	0.43 U	0.43 U		60	
cis-1,2-Dichloroethene	ug/L	0.73 I	0.73 I		40	
cis-1,3-Dichloropropene	ug/L	0.17 U	0.17 U		58	
Dibromochloromethane	ug/L	0.45 U	0.45 U		50	
Ethylbenzene	ug/L	5.1	5.0	2	63	
m&p-Xylene	ug/L	5.3	5.0	5	40	
Methylene Chloride	ug/L	1.7 U	1.7 U		28	
o-Xylene	ug/L	3.0	2.9	4	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	8.3	7.9	5	40	
1,2-Dichlorobenzene-d4 (S)	%	93	95			
4-Bromofluorobenzene (S)	%	110	110			
Toluene-d8 (S)	%	101	102			

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1027173
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505002

METHOD BLANK: 5646157 Matrix: Water
Associated Lab Samples: 35892505002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	07/18/24 10:52	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	07/18/24 10:52	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	07/18/24 10:52	
2-Hexanone	ug/L	6.6 U	25.0	6.6	07/18/24 10:52	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	07/18/24 10:52	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	07/18/24 10:52	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	07/18/24 10:52	J(v1)
Dibromomethane	ug/L	0.68 U	2.0	0.68	07/18/24 10:52	
Iodomethane	ug/L	3.6 U	10.0	3.6	07/18/24 10:52	
Styrene	ug/L	0.26 U	1.0	0.26	07/18/24 10:52	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	07/18/24 10:52	J(v2)
Vinyl acetate	ug/L	1.8 U	10.0	1.8	07/18/24 10:52	J(v1)
1,2-Dichlorobenzene-d4 (S)	%	104	70-130		07/18/24 10:52	
4-Bromofluorobenzene (S)	%	94	70-130		07/18/24 10:52	
Toluene-d8 (S)	%	101	70-130		07/18/24 10:52	

LABORATORY CONTROL SAMPLE: 5646158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.0	95	70-130	
1,2,3-Trichloropropane	ug/L	20	18.5	92	62-127	
2-Butanone (MEK)	ug/L	100	91.0	91	47-143	
2-Hexanone	ug/L	100	93.9	94	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	94.3	94	57-132	
Bromochloromethane	ug/L	20	19.9	100	70-130	
Carbon disulfide	ug/L	20	30.7	154	60-141	J(v1),L3
Dibromomethane	ug/L	20	20.5	102	70-130	
Iodomethane	ug/L	20	19.5	98	10-164	
Styrene	ug/L	20	19.7	99	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	14.2	71	42-129	J(v3)
Vinyl acetate	ug/L	20	25.6	128	60-144	J(v1)
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			99	70-130	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

MATRIX SPIKE SAMPLE: 5648562

Parameter	Units	35892721004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	18.3	92	70-130	
1,2,3-Trichloropropane	ug/L	0.53 U	20	19.0	95	62-127	
2-Butanone (MEK)	ug/L	6.7 U	100	84.5	84	47-143	
2-Hexanone	ug/L	6.6 U	100	94.7	95	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	95.3	95	57-132	
Bromochloromethane	ug/L	0.37 U	20	20.5	103	70-130	
Carbon disulfide	ug/L	1.8 U	20	27.1	135	60-141	J(v1)
Dibromomethane	ug/L	0.68 U	20	19.4	97	70-130	
Iodomethane	ug/L	3.6 U	20	6.9 I	34	10-164	
Styrene	ug/L	0.26 U	20	18.6	93	70-130	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	11.2	56	42-129	J(v3)
Vinyl acetate	ug/L	1.8 U	20	23.0	115	60-144	J(v1)
1,2-Dichlorobenzene-d4 (S)	%				105	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 5648563

Parameter	Units	35892721005 Result	Dup Result	RPD	Max RPD	Qualifiers
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	J(v1)
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	J(v2)
Vinyl acetate	ug/L	1.8 U	1.8 U		40	J(v1)
1,2-Dichlorobenzene-d4 (S)	%	104	105		40	
4-Bromofluorobenzene (S)	%	97	96		40	
Toluene-d8 (S)	%	100	100		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1028592
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505003

METHOD BLANK: 5653361 Matrix: Water
Associated Lab Samples: 35892505003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	07/24/24 10:27	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	07/24/24 10:27	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	07/24/24 10:27	
2-Hexanone	ug/L	6.6 U	25.0	6.6	07/24/24 10:27	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	07/24/24 10:27	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	07/24/24 10:27	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	07/24/24 10:27	
Dibromomethane	ug/L	0.68 U	2.0	0.68	07/24/24 10:27	
Iodomethane	ug/L	3.6 U	10.0	3.6	07/24/24 10:27	
Styrene	ug/L	0.26 U	1.0	0.26	07/24/24 10:27	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	07/24/24 10:27	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	07/24/24 10:27	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130		07/24/24 10:27	
4-Bromofluorobenzene (S)	%	98	70-130		07/24/24 10:27	
Toluene-d8 (S)	%	100	70-130		07/24/24 10:27	

LABORATORY CONTROL SAMPLE: 5653362

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.7	93	70-130	
1,2,3-Trichloropropane	ug/L	20	19.8	99	62-127	
2-Butanone (MEK)	ug/L	100	90.2	90	47-143	
2-Hexanone	ug/L	100	95.6	96	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	93.9	94	57-132	
Bromochloromethane	ug/L	20	18.1	91	70-130	
Carbon disulfide	ug/L	20	17.6	88	60-141	
Dibromomethane	ug/L	20	18.3	92	70-130	
Iodomethane	ug/L	20	19.1	95	10-164	
Styrene	ug/L	20	19.6	98	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	20.1	100	42-129	
Vinyl acetate	ug/L	20	22.5	113	60-144	
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

MATRIX SPIKE SAMPLE: 5653364

Parameter	Units	35893863002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	19.1	95	70-130	
1,2,3-Trichloropropane	ug/L	0.53 U	20	23.8	119	62-127	
2-Butanone (MEK)	ug/L	6.7 U	100	108	106	47-143	
2-Hexanone	ug/L	6.6 U	100	112	112	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	107	107	57-132	
Bromochloromethane	ug/L	0.37 U	20	18.9	95	70-130	
Carbon disulfide	ug/L	1.8 U	20	19.2	96	60-141	
Dibromomethane	ug/L	0.68 U	20	18.4	92	70-130	
Iodomethane	ug/L	3.6 U	20	7.1 I	36	10-164	
Styrene	ug/L	0.26 U	20	18.8	94	70-130	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	19.0	95	42-129	
Vinyl acetate	ug/L	1.8 U	20	20.9	104	60-144	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	J(HS)
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 5653363

Parameter	Units	35893863001 Result	Dup Result	RPD	Max RPD	Qualifiers
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	103		40	
4-Bromofluorobenzene (S)	%	98	98		40	J(HS)
Toluene-d8 (S)	%	99	99		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1026851
QC Batch Method: EPA 504.1
Analysis Method: EPA 504.1
Analysis Description: 504 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505002, 35892505003

METHOD BLANK: 5644134 Matrix: Water
Associated Lab Samples: 35892505002, 35892505003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	07/17/24 19:21	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	07/17/24 19:21	

LABORATORY CONTROL SAMPLE & LCSD: 5644135 5644138

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.23	0.25	91	101	70-130	10	40	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.24	0.26	97	104	70-130	8	40	

MATRIX SPIKE SAMPLE: 5644427

Parameter	Units	35892314001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0000065 U mg/L	0.26	0.24	94	65-135	
1,2-Dibromoethane (EDB)	ug/L	0.0000076 U mg/L	0.26	0.13	50	65-135	J(M1)

SAMPLE DUPLICATE: 5644428

Parameter	Units	35892291001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0000067 U mg/L	0.0065 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0000079 U mg/L	0.0076 U		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1026991
QC Batch Method: EPA 608.3
Analysis Method: EPA 608.3
Analysis Description: 608.3 GCS PCBs
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505002, 35892505003

METHOD BLANK: 5644914 Matrix: Water
Associated Lab Samples: 35892505002, 35892505003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	0.20 U	0.50	0.20	07/19/24 19:06	
PCB-1221 (Aroclor 1221)	ug/L	0.23 U	0.50	0.23	07/19/24 19:06	
PCB-1232 (Aroclor 1232)	ug/L	0.31 U	0.50	0.31	07/19/24 19:06	
PCB-1242 (Aroclor 1242)	ug/L	0.13 U	0.50	0.13	07/19/24 19:06	
PCB-1248 (Aroclor 1248)	ug/L	0.28 U	0.50	0.28	07/19/24 19:06	
PCB-1254 (Aroclor 1254)	ug/L	0.14 U	0.50	0.14	07/19/24 19:06	
PCB-1260 (Aroclor 1260)	ug/L	0.11 U	0.50	0.11	07/19/24 19:06	
Decachlorobiphenyl (S)	%	81	10-141		07/19/24 19:06	
Tetrachloro-m-xylene (S)	%	82	14-138		07/19/24 19:06	

LABORATORY CONTROL SAMPLE: 5644915

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	2.5	2.3	91	50-140	
PCB-1260 (Aroclor 1260)	ug/L	2.5	2.0	80	8-140	
Decachlorobiphenyl (S)	%			72	10-141	
Tetrachloro-m-xylene (S)	%			85	14-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5644916 5644917

Parameter	Units	35892652002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/L	0.19 U	2.4	2.4	2.5	2.5	104	102	50-140	1	36	
PCB-1260 (Aroclor 1260)	ug/L	0.11 U	2.4	2.5	2.0	2.0	84	80	8-140	3	38	
Decachlorobiphenyl (S)	%						61	60	10-141			
Tetrachloro-m-xylene (S)	%						88	80	14-138			

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1026990
QC Batch Method: EPA 608.3
Analysis Method: EPA 608.3
Analysis Description: 608.3 GCS Pesticides
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505002, 35892505003

METHOD BLANK: 5644910 Matrix: Water
Associated Lab Samples: 35892505002, 35892505003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
4,4'-DDD	ug/L	0.0027 U	0.010	0.0027	07/18/24 08:15	
4,4'-DDE	ug/L	0.0050 U	0.010	0.0050	07/18/24 08:15	
4,4'-DDT	ug/L	0.0051 U	0.010	0.0051	07/18/24 08:15	
Aldrin	ug/L	0.0092 U	0.080	0.0092	07/18/24 08:15	
alpha-BHC	ug/L	0.0021 U	0.010	0.0021	07/18/24 08:15	
beta-BHC	ug/L	0.020 U	0.030	0.020	07/18/24 08:15	
Chlordane (Technical)	ug/L	0.25 U	0.50	0.25	07/18/24 08:15	
delta-BHC	ug/L	0.0099 U	0.010	0.0099	07/18/24 08:15	
Dieldrin	ug/L	0.0020 U	0.030	0.0020	07/18/24 08:15	
Endosulfan I	ug/L	0.0051 U	0.010	0.0051	07/18/24 08:15	
Endosulfan II	ug/L	0.0040 U	0.010	0.0040	07/18/24 08:15	
Endosulfan sulfate	ug/L	0.0027 U	0.10	0.0027	07/18/24 08:15	
Endrin	ug/L	0.0043 U	0.010	0.0043	07/18/24 08:15	
Endrin aldehyde	ug/L	0.0036 U	0.10	0.0036	07/18/24 08:15	
gamma-BHC (Lindane)	ug/L	0.0053 U	0.010	0.0053	07/18/24 08:15	
Heptachlor	ug/L	0.0062 U	0.010	0.0062	07/18/24 08:15	
Heptachlor epoxide	ug/L	0.0029 U	0.020	0.0029	07/18/24 08:15	
Toxaphene	ug/L	0.25 U	0.50	0.25	07/18/24 08:15	
Decachlorobiphenyl (S)	%	77	10-141		07/18/24 08:15	
Tetrachloro-m-xylene (S)	%	73	14-138		07/18/24 08:15	

LABORATORY CONTROL SAMPLE: 5644911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	0.5	0.44	87	31-141	
4,4'-DDE	ug/L	0.5	0.42	84	30-145	
4,4'-DDT	ug/L	0.5	0.43	86	25-160	
Aldrin	ug/L	0.5	0.41	82	42-140	
alpha-BHC	ug/L	0.5	0.41	83	37-140	
beta-BHC	ug/L	0.5	0.43	86	17-147	
delta-BHC	ug/L	0.5	0.41	83	19-140	
Dieldrin	ug/L	0.5	0.44	88	36-146	
Endosulfan I	ug/L	0.5	0.44	87	45-153	
Endosulfan II	ug/L	0.5	0.45	90	10-202	
Endosulfan sulfate	ug/L	0.5	0.43	87	26-144	
Endrin	ug/L	0.5	0.46	93	30-147	
Endrin aldehyde	ug/L	0.5	0.42	84	60-140	
gamma-BHC (Lindane)	ug/L	0.5	0.43	85	32-140	
Heptachlor	ug/L	0.5	0.38	76	34-140	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

LABORATORY CONTROL SAMPLE: 5644911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Heptachlor epoxide	ug/L	0.5	0.43	86	37-142	
Decachlorobiphenyl (S)	%			67	10-141	
Tetrachloro-m-xylene (S)	%			75	14-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5644912 5644913

Parameter	Units	35892492001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4,4'-DDD	ug/L	0.0054 U	0.49	0.5	0.30	0.30	62	61	31-141	0	39	
4,4'-DDE	ug/L	0.010 U	0.49	0.5	0.24	0.25	50	50	30-145	2	35	
4,4'-DDT	ug/L	0.010 U	0.49	0.5	0.26	0.25	54	51	25-160	2	42	
Aldrin	ug/L	0.018 U	0.49	0.5	0.29	0.28	60	57	42-140	5	35	
alpha-BHC	ug/L	0.0042 U	0.49	0.5	0.41	0.39	84	78	37-140	5	36	
beta-BHC	ug/L	0.040 U	0.49	0.5	0.43	0.41	88	82	17-147	5	44	
delta-BHC	ug/L	0.020 U	0.49	0.5	0.35	0.36	72	74	19-140	4	42	
Dieldrin	ug/L	0.11	0.49	0.5	0.39	0.40	58	59	36-146	2	49	
Endosulfan I	ug/L	0.010 U	0.49	0.5	0.37	0.38	75	77	45-153	4	28	
Endosulfan II	ug/L	0.0080 U	0.49	0.5	0.38	0.53	78	106	10-202	33	53	
Endosulfan sulfate	ug/L	0.0054 U	0.49	0.5	0.37	0.37	77	75	26-144	1	38	
Endrin	ug/L	0.0086 U	0.49	0.5	0.38	0.40	78	80	30-147	5	48	
Endrin aldehyde	ug/L	0.0072 U	0.49	0.5	0.35	0.35	73	70	60-140	2	30	
gamma-BHC (Lindane)	ug/L	0.011 U	0.49	0.5	0.41	0.39	83	80	32-140	3	39	
Heptachlor	ug/L	0.012 U	0.49	0.5	0.38	0.36	78	72	34-140	6	43	
Heptachlor epoxide	ug/L	0.0058 U	0.49	0.5	0.32	0.32	67	65	37-142	1	26	
Decachlorobiphenyl (S)	%						43	45	10-141			
Tetrachloro-m-xylene (S)	%						91	86	14-138			

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1026860
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505001, 35892505003

METHOD BLANK: 5644207 Matrix: Water
Associated Lab Samples: 35892505001, 35892505003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	5.0 U	5.0	5.0	07/17/24 12:41	

LABORATORY CONTROL SAMPLE: 5644208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	250	233	93	90-110	

SAMPLE DUPLICATE: 5644209

Parameter	Units	92740837001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	396	396	0	20	

SAMPLE DUPLICATE: 5644210

Parameter	Units	35892505003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	5.0 U	5.0 U		20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1027995
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505001, 35892505003

METHOD BLANK: 5650292 Matrix: Water
Associated Lab Samples: 35892505001, 35892505003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	07/22/24 10:32	

LABORATORY CONTROL SAMPLE: 5650293

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	292	97	90-110	

SAMPLE DUPLICATE: 5650295

Parameter	Units	35892466001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	94.0	96.0	2	10	

SAMPLE DUPLICATE: 5650350

Parameter	Units	35892490001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	536	542	1	10	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1026831
QC Batch Method: SM 2540D
Analysis Method: SM 2540D
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505001, 35892505003

METHOD BLANK: 5644048 Matrix: Water
Associated Lab Samples: 35892505001, 35892505003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Suspended Solids	mg/L	5.0 U	5.0	5.0	07/17/24 10:41	

LABORATORY CONTROL SAMPLE: 5644049

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	99.7	92.0	92	90-110	

SAMPLE DUPLICATE: 5644050

Parameter	Units	35892480001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	2640	2910	10	10	

SAMPLE DUPLICATE: 5644051

Parameter	Units	35892507001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	1570	1540	2	10	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1026957
QC Batch Method: SM 5210B
Analysis Method: SM 5210B
Analysis Description: 5210B BOD, 5 day
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505001, 35892505003

METHOD BLANK: 5644712 Matrix: Water
Associated Lab Samples: 35892505001, 35892505003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
BOD, 5 day	mg/L	2.0 U	2.0	2.0	07/22/24 15:32	

LABORATORY CONTROL SAMPLE: 5644714

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	199	101	85-115	

SAMPLE DUPLICATE: 5644715

Parameter	Units	35892512001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	28.2	29.4	4	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1028753
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505001, 35892505003

METHOD BLANK: 5654068 Matrix: Water
Associated Lab Samples: 35892505001, 35892505003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	07/24/24 17:02	

LABORATORY CONTROL SAMPLE: 5654069

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5655710 5655711

Parameter	Units	20323314006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	6.2	50	50	55.0	55.0	98	98	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5655712 5655713

Parameter	Units	35893921001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	29.9	50	50	83.1	83.6	106	107	90-110	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1027168
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505001

METHOD BLANK: 5646131 Matrix: Water
Associated Lab Samples: 35892505001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	07/18/24 11:25	

LABORATORY CONTROL SAMPLE: 5646132

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5646134 5646133

Parameter	Units	35891284002 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	16.2	1	1	17.0	17.0	77	76	90-110	0	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5646135 5646136

Parameter	Units	35892116004 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	5.5	1	1	6.5	6.5	95	96	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1027169
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505003

METHOD BLANK: 5646137 Matrix: Water
Associated Lab Samples: 35892505003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	07/18/24 12:20	

LABORATORY CONTROL SAMPLE: 5646138

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: 5646140 5646139

Parameter	Units	35892513001 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	0.54	1	1	1.6	1.6	101	104	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5646141 5646142

Parameter	Units	35892803004 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	5.7	1	1	6.6	6.6	98	97	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1026857
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505001

METHOD BLANK: 5644188
Matrix: Water
Associated Lab Samples: 35892505001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	07/17/24 13:43	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1026858
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505003

METHOD BLANK: 5644196
Matrix: Water
Associated Lab Samples: 35892505003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	07/17/24 14:28	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 870593
QC Batch Method: EPA 420.4 Rev 1.0 1993
Analysis Method: EPA 420.4 Rev 1.0 1993
Analysis Description: 420.4 Phenolics
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 35892505002, 35892505003

METHOD BLANK: 4486265 Matrix: Water
Associated Lab Samples: 35892505002, 35892505003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phenolics, Total Recoverable	mg/L	0.0039 U	0.0050	0.0039	07/25/24 14:46	

LABORATORY CONTROL SAMPLE: 4486266

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	mg/L	0.05	0.049	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4486267 4486268

Parameter	Units	92739485001 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	0.0085	0.05	0.05	0.050	0.069	83	122	90-110	32	10	J(M1), J(R1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4486269 4486270

Parameter	Units	92741088001 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	0.028	0.05	0.05	0.072	0.073	88	89	90-110	1	10	J(M1)

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

QC Batch: 1026963
QC Batch Method: SM 5310B
Analysis Method: SM 5310B
Analysis Description: 5310B TOC
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35892505002, 35892505003

METHOD BLANK: 5644732 Matrix: Water
Associated Lab Samples: 35892505002, 35892505003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	07/18/24 23:50	

LABORATORY CONTROL SAMPLE: 5644733

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: 5644734 5644735

Parameter	Units	35891901022 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	5.1	20	20	24.8	24.8	99	99	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5644736 5644737

Parameter	Units	20323646002 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	3.3	20	20	21.6	22.4	91	95	80-120	4	20	

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QUALIFIERS

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

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.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
ED	Due to the extract's physical characteristics, the analysis was performed at dilution.
J(HS)	Estimated Value. Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
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(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.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.
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.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

QUALIFIERS

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

ANALYTE QUALIFIERS

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.

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Pompano Beach, FL 33064
(954)582-4300

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35892505002	**GRAB**	EPA 1664A	335881		
35892505003	**FIELD BLANK 071624**	EPA 1664A	335881		
35892505002	**GRAB**				
35892505002	**GRAB**	EPA 504.1	1026851	EPA 504.1	1027036
35892505003	**FIELD BLANK 071624**	EPA 504.1	1026851	EPA 504.1	1027036
35892505002	**GRAB**	EPA 608.3	1026991	EPA 608.3	1027079
35892505003	**FIELD BLANK 071624**	EPA 608.3	1026991	EPA 608.3	1027079
35892505002	**GRAB**	EPA 608.3	1026990	EPA 608.3	1027077
35892505003	**FIELD BLANK 071624**	EPA 608.3	1026990	EPA 608.3	1027077
35892505001	**COMP**	EPA 200.7	1027477	EPA 200.7	1027499
35892505003	**FIELD BLANK 071624**	EPA 200.7	1027477	EPA 200.7	1027499
35892505001	**COMP**	EPA 200.8	1027476	EPA 200.8	1027498
35892505003	**FIELD BLANK 071624**	EPA 200.8	1027476	EPA 200.8	1027498
35892505001	**COMP**	EPA 245.1	1028130	EPA 245.1	1028309
35892505003	**FIELD BLANK 071624**	EPA 245.1	1028130	EPA 245.1	1028309
35892505002	**GRAB**	EPA 624.1	1027086		
35892505003	**FIELD BLANK 071624**	EPA 624.1	1027086		
35892505002	**GRAB**	EPA 8260	1027173		
35892505003	**FIELD BLANK 071624**	EPA 8260	1028592		
35892505001	**COMP**	SM 2320B	1026860		
35892505003	**FIELD BLANK 071624**	SM 2320B	1026860		
35892505001	**COMP**	SM 2540C	1027995		
35892505003	**FIELD BLANK 071624**	SM 2540C	1027995		
35892505001	**COMP**	SM 2540D	1026831		
35892505003	**FIELD BLANK 071624**	SM 2540D	1026831		
35892505001	**COMP**	SM 5210B	1026957	SM 5210B	1028087
35892505003	**FIELD BLANK 071624**	SM 5210B	1026957	SM 5210B	1028087
35892505001	**COMP**	EPA 300.0	1028753		
35892505003	**FIELD BLANK 071624**	EPA 300.0	1028753		
35892505001	**COMP**	EPA 350.1	1027168		
35892505003	**FIELD BLANK 071624**	EPA 350.1	1027169		
35892505001	**COMP**	EPA 353.2	1026857		
35892505003	**FIELD BLANK 071624**	EPA 353.2	1026858		
35892505002	**GRAB**	EPA 420.4 Rev 1.0 1993	870593	EPA 420.4 Rev 1.0 1993	870709
35892505003	**FIELD BLANK 071624**	EPA 420.4 Rev 1.0 1993	870593	EPA 420.4 Rev 1.0 1993	870709
35892505002	**GRAB**	SM 5310B	1026963		
35892505003	**FIELD BLANK 071624**	SM 5310B	1026963		
35892505001	**COMP**	FLDEP SOP 10/03/83	1030188		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 2nd Semiannual RRF Leacha-Revised Report
Pace Project No.: 35892505

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35892505003	**FIELD BLANK 071624**	FLDEP SOP 10/03/83	1030188		

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

WO# : 35892505

35892505

Company Name:	Miami-Dade Department of Solid Waste Management
Street Address:	2525 NW 62, Miami, FL 33147
Customer Project #:	
Project Name:	FDEP 1st Semiannual RRF Leachate
Site Collection Info/Facility ID (as applicable):	
Contact/Report To:	Mario Porcelli
Phone #:	(305)592-1187
E-Mail:	mario.porcelli@miamidade.gov
Cc E-Mail:	
Invoice To:	Mario Porcelli
Invoice E-Mail:	mario.porcelli@miamidade.gov
Purchase Order # (if applicable):	SW0000002055
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Florida

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

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:

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)

Specify Container Size **

Identify Container Preservative Type***

4 3 8 1 4 4 i 2 3 1

*** 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

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	5310B TOC	350.1 Ammonia	504.1 GCS EDB and DBCP	5210B BOD, 5 day	624.1 Volatile Organics	8260 MSV	Alkalinity, Cl, NO3	Metals 200.7/200.8/245.1	Oil & Grease	Pesticides & PCBs 608	Sample Comment
COMP	WT				7/16/24	1112	4				X		X			X	X			
GRAB	WT					1117	12			X		X		X	X			X	X	
FIELD BLANK	WT					1134	16			X	X	X	X	X	X	X	X	X	X	

Lab Use Only
Proj. Mgr: Rossy Guima
AcctNum / Client ID:
Table #:
Profile / Template: 3549
Prelog / Bottle Ord. ID: EZ 3128824

Preservation non-conformance identified for

Additional Instructions from Pace®:

Collected By:
(Printed Name) Terrance Mond
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
2	T-427	0	1.9	1.9	YES

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Pace	7/16/24 1630	Pace	7/16/24 1630
Pace	7/16/24 1830	IPACE	7.16.24 @ 2300

Tracking Number:

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

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

Scan QR Code for instructions

Company Name:	Miami-Dade Department of Solid Waste Management
Street Address:	2525 NW 62, Miami, FL 33147
Customer Project #:	
Project Name:	FDEP 1st Semiannual RRF Leachate
Site Collection Info/Facility ID (as applicable):	

Contact/Report To:	Mario Porcelli
Phone #:	(305)592-1187
E-Mail:	mario.porcelli@miamidade.gov
Cc E-Mail:	
Invoice To:	Mario Porcelli
Invoice E-Mail:	mario.porcelli@miamidade.gov
Purchase Order # (if applicable):	SW0000002055
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Florida

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

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:

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 Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	TDS & TSS	Total Phenols 420
COMP	WT				7/16/24	1112	1	X	TAU	X	
GRAB	WT					1117	1	X	TAU		X
FIELD BLANK	WT					1134	2	X	TAU	X	X

Specify Container Size **: 1 3

Identify Container Preservative Type***

Analysis Requested

**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) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Rossy Guima
AcctNum / Client ID:
Table #:
Profile / Template: 3549
Prelog / Bottle Ord. ID: EZ 3128824

Sample Comment

Preservation non-conformance identified for:

Additional Instructions from Pace®:

Collected By:
(Printed Name) Terrence Mond
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	T-427	0	1.9	1.9	Yes

Relinquished by/Company: (Signature)	Date/Time: 7/16/24 1630	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 7/16/24 2300	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
			Date/Time:	Page: 2 of 2

Field Sampling Log

Arrived on Site Date: Time: Departed Site Date: Time:

Sampler's Signature Sampler's Name Terrence Mond

CLIENT NAME: Miami-Dade Department of Solid PROJECT NAME: FDEP 1st Semiannual RRF Leachate

CLIENT CONTACT: Yanett Rodriguez SITE CONTACT: Yanett Rodriguez

SITE Location: 6990 NW 97th Ave, Doral, FL 33178

Ambient Conditions: Cloudy

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
Comp	7/16/24 1112								
Grab	1117				6.22	30.4	5028	6.47 / 0.46	18.2
Field Blank	1134								

Composite Sampling

Compositor Set-up/Location	Date	Time	Timed/Flow	Flow Rate	# Samples/Hour
manhole	7/15/24	1105	15 mins	100mL	4/hours
Compositor Breakdown	**Date**	**Time**	**Hours Sampled**		
manhole	7/16/24	1140	24 hours		
Drive time to site:	7/16/24	57 mins	**Drive time back to Lab**	57 mins	

Other Notation's or Anomalies:

Project #

Project Manager:

Client:

WO# : 35892505

PM: RYG **Due Date: 07/25/24**

CLIENT: 36-MDSWM

Date and Initials of person: 7-17-24

Examining contents:

Verifying pH:

Thermometer Used: T-477 Date: 7.16.24 Time: 2333 Initials:

State of Origin:

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

Cooler #1 Temp.°C	1.6 (Visual)	0 (Correction Factor)	1.6 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C	1.9 (Visual)	(Correction Factor)	1.9 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C	(Visual)	(Correction Factor)	(Actual)	☐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

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: 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**
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑Yes	☐No	☐N/A	**Preservative:** **Date:** **Lot / Trace:** **Time:** **Amount added (mL):** **Initials:**
Headspace in Volatile Vials? (>6mm):	☑Yes	☐No	☐N/A	
Trip Blank Present:	☐Yes	☐No	☑N/A	

Comments / Resolutions (use back for additional comments):

Labeled by: **Reviewed by:** **Delivered by:**

Qualtrax Document ID: 33786

Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

August 05, 2024

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

RE: Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on July 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
Arelys Roman, Miami-Dade Department of Solid Waste Management

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CERTIFICATIONS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

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
Nevada Certification: FL NELAC Reciprocity
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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Pompano Beach, FL 33064
(954)582-4300

SAMPLE SUMMARY

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35894655001	**RR2(60)**	Water	07/26/24 08:32	07/26/24 13:00
35894655002	**RR2(30)**	Water	07/26/24 09:07	07/26/24 13:00
35894655003	**RR2(15)**	Water	07/26/24 09:30	07/26/24 13:00
35894655004	**RR2(15) Duplicate**	Water	07/26/24 09:30	07/26/24 13:00
35894655005	**RR16(60)**	Water	07/26/24 10:31	07/26/24 13:00
35894655006	**RR16(30)**	Water	07/26/24 11:08	07/26/24 13:00
35894655007	**RR16(15)**	Water	07/26/24 11:32	07/26/24 13:00
35894655008	**EQ BLANK 072624**	Water	07/26/24 11:39	07/26/24 13:00

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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35894655001	**RR2(60)**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35894655002	**RR2(30)**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35894655003	**RR2(15)**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35894655004	**RR2(15) Duplicate**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35894655005	**RR16(60)**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35894655006	**RR16(30)**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	AST	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35894655007	**RR16(15)**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35894655008	**EQ BLANK 072624**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

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

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR2(60) **Lab ID: 35894655001** Collected: 07/26/24 08:32 Received: 07/26/24 13:00 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		07/26/24 08:32		
Field Temperature	**25.6**	deg C			1		07/26/24 08:32		
Field Specific Conductance	**3622**	umhos/cm			1		07/26/24 08:32		
Oxygen, Dissolved	**0.3**	mg/L			1		07/26/24 08:32	7782-44-7	
Turbidity	**0.02**	NTU			1		07/26/24 08:32		
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	07/29/24 12:01	08/02/24 19:56	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	07/29/24 12:01	08/02/24 19:56	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**159**	ug/L	10.0	0.84	1	07/31/24 08:15	07/31/24 13:53	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 13:53	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 13:53	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 13:53	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 13:53	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 13:53	7440-50-8	
Iron	**1680**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 13:53	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 13:53	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 13:53	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 13:53	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 13:53	7440-22-4	
Sodium	**398**	mg/L	4.0	1.1	2	07/31/24 08:15	07/31/24 15:17	7440-23-5	J(M1)
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 13:53	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 13:53	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	07/31/24 08:15	07/31/24 13:25	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 13:25	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 13:25	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	07/31/24 08:47	07/31/24 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		07/29/24 01:21	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/29/24 01:21	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 01:21	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 01:21	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR2(60) **Lab ID: 35894655001** Collected: 07/26/24 08:32 Received: 07/26/24 13:00 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		07/29/24 01:21	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/29/24 01:21	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/29/24 01:21	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/29/24 01:21	78-93-3	J(v1)
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 01:21	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/29/24 01:21	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/29/24 01:21	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/29/24 01:21	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/29/24 01:21	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/29/24 01:21	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/29/24 01:21	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/29/24 01:21	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/29/24 01:21	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/29/24 01:21	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/29/24 01:21	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/29/24 01:21	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 01:21	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/29/24 01:21	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 01:21	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 01:21	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/29/24 01:21	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 01:21	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 01:21	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/29/24 01:21	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/29/24 01:21	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/29/24 01:21	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/29/24 01:21	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/29/24 01:21	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/29/24 01:21	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 01:21	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/29/24 01:21	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/29/24 01:21	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 01:21	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 01:21	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/29/24 01:21	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/29/24 01:21	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/29/24 01:21	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 01:21	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/29/24 01:21	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/29/24 01:21	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/29/24 01:21	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/29/24 01:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/29/24 01:21	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		07/29/24 01:21	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR2(60) **Lab ID: 35894655001** Collected: 07/26/24 08:32 Received: 07/26/24 13:00 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		07/29/24 01:21	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		07/29/24 13:39		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**2310**	mg/L	20.0	20.0	1		07/29/24 17:31		
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		08/05/24 16:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**1000**	mg/L	100	50.0	20		07/31/24 04:56	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		08/01/24 12:46	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	**2.1**	mg/L	0.50	0.20	1	07/30/24 13:44	07/31/24 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	**0.015 U**	mg/L	0.050	0.015	1		07/27/24 11:26		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/27/24 11:26	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**67.0**	mg/L	40.0	25.0	1	07/29/24 09:50	07/30/24 09:18		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**50.7**	mg/L	1.0	0.50	1		07/29/24 22:57	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR2(30) **Lab ID: 35894655002** Collected: 07/26/24 09:07 Received: 07/26/24 13:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.16**	Std. Units			1		07/26/24 09:07		
Field Temperature	**26.0**	deg C			1		07/26/24 09:07		
Field Specific Conductance	**694**	umhos/cm			1		07/26/24 09:07		
Oxygen, Dissolved	**0.4**	mg/L			1		07/26/24 09:07	7782-44-7	
Turbidity	**0.10**	NTU			1		07/26/24 09:07		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0066 U**	ug/L	0.020	0.0066	1	07/29/24 12:01	08/02/24 20:08	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	07/29/24 12:01	08/02/24 20:08	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**22.3**	ug/L	10.0	0.84	1	07/31/24 08:15	07/31/24 16:22	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 16:22	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 16:22	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 16:22	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 16:22	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 16:22	7440-50-8	
Iron	**300**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 16:22	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 16:22	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 16:22	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 16:22	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 16:22	7440-22-4	
Sodium	**47.8**	mg/L	2.0	0.54	1	07/31/24 08:15	07/31/24 16:22	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 16:22	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 16:22	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	07/31/24 08:15	07/31/24 13:26	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 13:26	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 13:26	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	07/31/24 08:47	07/31/24 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		07/29/24 01:43	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/29/24 01:43	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 01:43	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 01:43	74-97-5	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR2(30) **Lab ID: 35894655002** Collected: 07/26/24 09:07 Received: 07/26/24 13:00 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		07/29/24 01:43	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/29/24 01:43	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/29/24 01:43	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/29/24 01:43	78-93-3	J(v1)
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 01:43	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/29/24 01:43	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/29/24 01:43	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/29/24 01:43	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/29/24 01:43	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/29/24 01:43	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/29/24 01:43	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/29/24 01:43	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/29/24 01:43	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/29/24 01:43	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/29/24 01:43	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/29/24 01:43	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 01:43	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/29/24 01:43	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 01:43	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 01:43	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/29/24 01:43	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 01:43	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 01:43	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/29/24 01:43	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/29/24 01:43	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/29/24 01:43	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/29/24 01:43	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/29/24 01:43	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/29/24 01:43	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 01:43	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/29/24 01:43	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/29/24 01:43	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 01:43	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 01:43	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/29/24 01:43	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/29/24 01:43	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/29/24 01:43	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 01:43	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/29/24 01:43	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/29/24 01:43	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/29/24 01:43	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/29/24 01:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		07/29/24 01:43	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		07/29/24 01:43	2037-26-5	

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(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR2(30) **Lab ID: 35894655002** Collected: 07/26/24 09:07 Received: 07/26/24 13:00 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		07/29/24 01:43	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		07/29/24 13:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**418**	mg/L	5.0	5.0	1		07/30/24 12:10		
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		08/05/24 16:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**93.0**	mg/L	10.0	5.0	2		07/31/24 11:01	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		08/01/24 12:51	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	07/30/24 13:44	07/31/24 11:17	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		07/27/24 11:27		
Nitrogen, Nitrate	**0.025**	**U** mg/L	0.050	0.025	1		07/27/24 11:27	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**34.6**	mg/L	20.0	12.5	1	07/29/24 09:50	07/30/24 09:18		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**10.2**	mg/L	1.0	0.50	1		07/29/24 23:09	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR2(15) **Lab ID: 35894655003** Collected: 07/26/24 09:30 Received: 07/26/24 13:00 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		07/26/24 09:30		
Field Temperature	**28.7**	deg C			1		07/26/24 09:30		
Field Specific Conductance	**1020**	umhos/cm			1		07/26/24 09:30		
Oxygen, Dissolved	**0.4**	mg/L			1		07/26/24 09:30	7782-44-7	
Turbidity	**0.72**	NTU			1		07/26/24 09:30		
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	07/29/24 12:01	08/02/24 20:21	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	07/29/24 12:01	08/02/24 20:21	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**38.1**	ug/L	10.0	0.84	1	07/31/24 08:15	07/31/24 16:26	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 16:26	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 16:26	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 16:26	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 16:26	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 16:26	7440-50-8	
Iron	**88.8**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 16:26	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 16:26	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 16:26	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 16:26	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 16:26	7440-22-4	
Sodium	**52.0**	mg/L	2.0	0.54	1	07/31/24 08:15	07/31/24 16:26	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 16:26	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 16:26	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	07/31/24 08:15	07/31/24 13:33	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 13:33	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 13:33	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	07/31/24 08:47	07/31/24 12:47	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		07/29/24 02:05	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/29/24 02:05	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 02:05	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 02:05	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR2(15) **Lab ID: 35894655003** Collected: 07/26/24 09:30 Received: 07/26/24 13:00 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		07/29/24 02:05	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/29/24 02:05	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/29/24 02:05	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/29/24 02:05	78-93-3	J(v1)
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 02:05	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/29/24 02:05	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/29/24 02:05	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/29/24 02:05	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/29/24 02:05	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/29/24 02:05	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/29/24 02:05	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/29/24 02:05	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/29/24 02:05	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/29/24 02:05	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/29/24 02:05	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/29/24 02:05	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 02:05	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/29/24 02:05	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 02:05	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 02:05	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/29/24 02:05	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 02:05	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 02:05	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/29/24 02:05	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/29/24 02:05	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/29/24 02:05	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/29/24 02:05	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/29/24 02:05	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/29/24 02:05	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 02:05	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/29/24 02:05	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/29/24 02:05	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 02:05	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 02:05	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/29/24 02:05	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/29/24 02:05	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/29/24 02:05	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 02:05	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/29/24 02:05	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/29/24 02:05	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/29/24 02:05	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/29/24 02:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/29/24 02:05	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		07/29/24 02:05	2037-26-5	

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(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR2(15) **Lab ID: 35894655003** Collected: 07/26/24 09:30 Received: 07/26/24 13:00 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		07/29/24 02:05	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		07/29/24 14:32		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**479**	mg/L	5.0	5.0	1		07/30/24 12:10		
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		08/05/24 16:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**86.0**	mg/L	5.0	2.5	1		07/31/24 05:39	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.94**	mg/L	0.050	0.035	1		08/01/24 12:53	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	**1.1**	mg/L	0.50	0.20	1	07/30/24 13:44	07/31/24 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 I**	mg/L	0.050	0.015	1		07/27/24 11:28		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/27/24 11:28	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**30.3**	mg/L	20.0	12.5	1	07/29/24 09:50	07/30/24 09:18		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**8.3**	mg/L	1.0	0.50	1		07/29/24 23:20	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR2(15) Duplicate **Lab ID: 35894655004** Collected: 07/26/24 09:30 Received: 07/26/24 13:00 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		07/26/24 09:30		
Field Temperature	**28.7**	deg C			1		07/26/24 09:30		
Field Specific Conductance	**1020**	umhos/cm			1		07/26/24 09:30		
Oxygen, Dissolved	**0.4**	mg/L			1		07/26/24 09:30	7782-44-7	
Turbidity	**0.72**	NTU			1		07/26/24 09:30		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0066 U**	ug/L	0.020	0.0066	1	07/29/24 12:01	08/02/24 20:33	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	07/29/24 12:01	08/02/24 20:33	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**42.9**	ug/L	10.0	0.84	1	07/31/24 08:15	07/31/24 16:30	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 16:30	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 16:30	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 16:30	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 16:30	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 16:30	7440-50-8	
Iron	**264**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 16:30	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 16:30	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 16:30	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 16:30	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 16:30	7440-22-4	
Sodium	**58.1**	mg/L	2.0	0.54	1	07/31/24 08:15	07/31/24 16:30	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 16:30	7440-62-2	
Zinc	**13.5 I**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 16:30	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	07/31/24 08:15	07/31/24 13:35	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 13:35	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 13:35	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.53**	ug/L	0.20	0.14	1	07/31/24 08:47	07/31/24 12:49	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		07/29/24 02:28	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/29/24 02:28	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 02:28	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 02:28	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR2(15) Duplicate **Lab ID: 35894655004** Collected: 07/26/24 09:30 Received: 07/26/24 13:00 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		07/29/24 02:28	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/29/24 02:28	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/29/24 02:28	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/29/24 02:28	78-93-3	J(v1)
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 02:28	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/29/24 02:28	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/29/24 02:28	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/29/24 02:28	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/29/24 02:28	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/29/24 02:28	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/29/24 02:28	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/29/24 02:28	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/29/24 02:28	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/29/24 02:28	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/29/24 02:28	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/29/24 02:28	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 02:28	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/29/24 02:28	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 02:28	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 02:28	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/29/24 02:28	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 02:28	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 02:28	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/29/24 02:28	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/29/24 02:28	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/29/24 02:28	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/29/24 02:28	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/29/24 02:28	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/29/24 02:28	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 02:28	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/29/24 02:28	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/29/24 02:28	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 02:28	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 02:28	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/29/24 02:28	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/29/24 02:28	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/29/24 02:28	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 02:28	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/29/24 02:28	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/29/24 02:28	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/29/24 02:28	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/29/24 02:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/29/24 02:28	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		07/29/24 02:28	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR2(15) Duplicate **Lab ID: 35894655004** Collected: 07/26/24 09:30 Received: 07/26/24 13:00 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		07/29/24 02:28	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**218**	mg/L	5.0	5.0	1		07/29/24 14:44		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**541**	mg/L	5.0	5.0	1		07/30/24 12:10		
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		08/05/24 16:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**139**	mg/L	10.0	5.0	2		07/31/24 06:00	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		08/01/24 12:54	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	07/30/24 13:44	07/31/24 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		07/27/24 11:30		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/27/24 11:30	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**29.7**	mg/L	20.0	12.5	1	07/29/24 09:50	07/30/24 09:18		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**8.4**	mg/L	1.0	0.50	1		07/29/24 23:35	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR16(60) **Lab ID: 35894655005** Collected: 07/26/24 10:31 Received: 07/26/24 13:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.21**	Std. Units			1		07/26/24 10:31		
Field Temperature	**26.5**	deg C			1		07/26/24 10:31		
Field Specific Conductance	**512**	umhos/cm			1		07/26/24 10:31		
Oxygen, Dissolved	**0.7**	mg/L			1		07/26/24 10:31	7782-44-7	
Turbidity	**0.20**	NTU			1		07/26/24 10:31		
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	07/29/24 12:01	08/02/24 20:45	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	07/29/24 12:01	08/02/24 20:45	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**14.0**	ug/L	10.0	0.84	1	07/31/24 08:15	07/31/24 16:33	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 16:33	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 16:33	7440-43-9	
Chromium	**4.4 I**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 16:33	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 16:33	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 16:33	7440-50-8	
Iron	**624**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 16:33	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 16:33	7439-92-1	
Nickel	**1.5 I**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 16:33	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 16:33	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 16:33	7440-22-4	
Sodium	**28.9**	mg/L	2.0	0.54	1	07/31/24 08:15	07/31/24 16:33	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 16:33	7440-62-2	
Zinc	**31.5**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 16:33	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	07/31/24 08:15	07/31/24 13:36	7440-36-0	
Arsenic	**0.59 I**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 13:36	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 13:36	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.27**	ug/L	0.20	0.14	1	07/31/24 08:47	07/31/24 12:56	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		07/29/24 02:50	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/29/24 02:50	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 02:50	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 02:50	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR16(60) **Lab ID: 35894655005** Collected: 07/26/24 10:31 Received: 07/26/24 13:00 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		07/29/24 02:50	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/29/24 02:50	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/29/24 02:50	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/29/24 02:50	78-93-3	J(v1)
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 02:50	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/29/24 02:50	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/29/24 02:50	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/29/24 02:50	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/29/24 02:50	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/29/24 02:50	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/29/24 02:50	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/29/24 02:50	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/29/24 02:50	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/29/24 02:50	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/29/24 02:50	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/29/24 02:50	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 02:50	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/29/24 02:50	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 02:50	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 02:50	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/29/24 02:50	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 02:50	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 02:50	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/29/24 02:50	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/29/24 02:50	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/29/24 02:50	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/29/24 02:50	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/29/24 02:50	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/29/24 02:50	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 02:50	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/29/24 02:50	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/29/24 02:50	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 02:50	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 02:50	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/29/24 02:50	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/29/24 02:50	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/29/24 02:50	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 02:50	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/29/24 02:50	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/29/24 02:50	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/29/24 02:50	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/29/24 02:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		07/29/24 02:50	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		07/29/24 02:50	2037-26-5	

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Pompano Beach, FL 33064
(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR16(60) **Lab ID: 35894655005** Collected: 07/26/24 10:31 Received: 07/26/24 13:00 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		07/29/24 02:50	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		07/29/24 15:08		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**287**	mg/L	5.0	5.0	1		07/30/24 12:10		
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		08/05/24 16:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**37.5**	mg/L	5.0	2.5	1		07/31/24 06:22	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		08/01/24 12:56	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	07/30/24 13:44	07/31/24 11:20	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		07/27/24 11:33		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/27/24 11:33	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**28.6**	mg/L	20.0	12.5	1	07/29/24 09:50	07/30/24 09:18		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**9.2**	mg/L	1.0	0.50	1		07/29/24 23:46	7440-44-0	

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(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR16(30) **Lab ID: 35894655006** Collected: 07/26/24 11:08 Received: 07/26/24 13:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.99**	Std. Units			1		07/26/24 11:08		
Field Temperature	**27.2**	deg C			1		07/26/24 11:08		
Field Specific Conductance	**615**	umhos/cm			1		07/26/24 11:08		
Oxygen, Dissolved	**0.1**	mg/L			1		07/26/24 11:08	7782-44-7	
Turbidity	**0.34**	NTU			1		07/26/24 11:08		
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	07/29/24 12:01	08/02/24 21:09	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	07/29/24 12:01	08/02/24 21:09	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**28.0**	ug/L	10.0	0.84	1	07/31/24 08:15	07/31/24 16:44	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 16:44	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 16:44	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 16:44	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 16:44	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 16:44	7440-50-8	
Iron	**592**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 16:44	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 16:44	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 16:44	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 16:44	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 16:44	7440-22-4	
Sodium	**26.5**	mg/L	2.0	0.54	1	07/31/24 08:15	07/31/24 16:44	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 16:44	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 16:44	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	07/31/24 08:15	07/31/24 13:42	7440-36-0	
Arsenic	**0.59 I**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 13:42	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 13:42	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	07/31/24 08:47	07/31/24 12:58	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		07/29/24 03:13	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/29/24 03:13	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 03:13	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 03:13	74-97-5	

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(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR16(30) **Lab ID: 35894655006** Collected: 07/26/24 11:08 Received: 07/26/24 13:00 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		07/29/24 03:13	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/29/24 03:13	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/29/24 03:13	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/29/24 03:13	78-93-3	J(v1)
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 03:13	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/29/24 03:13	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/29/24 03:13	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/29/24 03:13	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/29/24 03:13	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/29/24 03:13	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/29/24 03:13	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/29/24 03:13	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/29/24 03:13	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/29/24 03:13	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/29/24 03:13	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/29/24 03:13	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 03:13	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/29/24 03:13	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 03:13	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 03:13	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/29/24 03:13	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 03:13	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 03:13	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/29/24 03:13	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/29/24 03:13	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/29/24 03:13	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/29/24 03:13	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/29/24 03:13	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/29/24 03:13	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 03:13	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/29/24 03:13	127-18-4	
Toluene	**0.46 I**	ug/L	1.0	0.33	1		07/29/24 03:13	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 03:13	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 03:13	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/29/24 03:13	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/29/24 03:13	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/29/24 03:13	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 03:13	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/29/24 03:13	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/29/24 03:13	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/29/24 03:13	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/29/24 03:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/29/24 03:13	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		07/29/24 03:13	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR16(30) **Lab ID: 35894655006** Collected: 07/26/24 11:08 Received: 07/26/24 13:00 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		07/29/24 03:13	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**263**	mg/L	5.0	5.0	1		07/29/24 15:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**352**	mg/L	5.0	5.0	1		07/30/24 12:10		
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		08/05/24 16:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**36.0**	mg/L	5.0	2.5	1		07/31/24 07:26	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**3.0**	mg/L	0.050	0.035	1		08/01/24 12:57	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	**2.6**	mg/L	0.50	0.20	1	07/30/24 13:44	07/31/24 11:21	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		07/27/24 11:35		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/27/24 11:35	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**38.1**	mg/L	20.0	12.5	1	07/29/24 09:50	07/30/24 09:18		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**10.3**	mg/L	1.0	0.50	1		07/30/24 00:01	7440-44-0	

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(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR16(15) **Lab ID: 35894655007** Collected: 07/26/24 11:32 Received: 07/26/24 13:00 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		07/26/24 11:32		
Field Temperature	**29.2**	deg C			1		07/26/24 11:32		
Field Specific Conductance	**539**	umhos/cm			1		07/26/24 11:32		
Oxygen, Dissolved	**0.3**	mg/L			1		07/26/24 11:32	7782-44-7	
Turbidity	**0.71**	NTU			1		07/26/24 11:32		
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	07/29/24 12:01	08/02/24 21:21	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	07/29/24 12:01	08/02/24 21:21	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**25.2**	ug/L	10.0	0.84	1	07/31/24 08:15	07/31/24 16:47	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 16:47	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 16:47	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 16:47	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 16:47	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 16:47	7440-50-8	
Iron	**44.9**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 16:47	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 16:47	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 16:47	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 16:47	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 16:47	7440-22-4	
Sodium	**22.2**	mg/L	2.0	0.54	1	07/31/24 08:15	07/31/24 16:47	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 16:47	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 16:47	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	07/31/24 08:15	07/31/24 13:43	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 13:43	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 13:43	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	07/31/24 08:47	07/31/24 13:00	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		07/29/24 03:35	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/29/24 03:35	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 03:35	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 03:35	74-97-5	

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(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR16(15) **Lab ID: 35894655007** Collected: 07/26/24 11:32 Received: 07/26/24 13:00 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		07/29/24 03:35	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/29/24 03:35	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/29/24 03:35	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/29/24 03:35	78-93-3	J(v1)
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 03:35	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/29/24 03:35	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/29/24 03:35	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/29/24 03:35	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/29/24 03:35	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/29/24 03:35	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/29/24 03:35	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/29/24 03:35	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/29/24 03:35	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/29/24 03:35	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/29/24 03:35	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/29/24 03:35	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 03:35	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/29/24 03:35	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 03:35	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 03:35	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/29/24 03:35	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 03:35	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 03:35	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/29/24 03:35	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/29/24 03:35	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/29/24 03:35	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/29/24 03:35	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/29/24 03:35	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/29/24 03:35	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 03:35	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/29/24 03:35	127-18-4	
Toluene	**0.34 I**	ug/L	1.0	0.33	1		07/29/24 03:35	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 03:35	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 03:35	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/29/24 03:35	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/29/24 03:35	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/29/24 03:35	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 03:35	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/29/24 03:35	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/29/24 03:35	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/29/24 03:35	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/29/24 03:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		07/29/24 03:35	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		07/29/24 03:35	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: RR16(15) **Lab ID: 35894655007** Collected: 07/26/24 11:32 Received: 07/26/24 13:00 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		07/29/24 03:35	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**225**	mg/L	5.0	5.0	1		07/29/24 15:33		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**300**	mg/L	5.0	5.0	1		07/30/24 12:10		
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		08/05/24 16:28		
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		07/31/24 07:47	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		08/01/24 14:38	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	**1.2**	mg/L	0.50	0.20	1	07/30/24 13:44	07/31/24 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		07/27/24 11:36		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/27/24 11:36	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**23.1**	mg/L	20.0	12.5	1	07/29/24 09:50	07/30/24 09:18		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**7.1**	mg/L	1.0	0.50	1		07/30/24 00:14	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: EQ BLANK 072624 **Lab ID: 35894655008** Collected: 07/26/24 11:39 Received: 07/26/24 13:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0066 U**	ug/L	0.021	0.0066	1	07/29/24 12:01	08/02/24 21:34	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	07/29/24 12:01	08/02/24 21:34	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	07/31/24 08:15	07/31/24 16:51	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 16:51	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 16:51	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 16:51	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 16:51	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 16:51	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 16:51	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 16:51	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 16:51	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 16:51	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 16:51	7440-22-4	
Sodium	**0.54 U**	mg/L	2.0	0.54	1	07/31/24 08:15	07/31/24 16:51	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 16:51	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 16:51	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	07/31/24 08:15	07/31/24 13:45	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 13:45	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 13:45	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	07/31/24 08:47	07/31/24 13:03	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		07/29/24 13:08	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/29/24 13:08	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 13:08	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 13:08	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		07/29/24 13:08	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/29/24 13:08	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/29/24 13:08	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/29/24 13:08	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 13:08	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/29/24 13:08	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/29/24 13:08	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/29/24 13:08	75-00-3	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: EQ BLANK 072624 **Lab ID: 35894655008** Collected: 07/26/24 11:39 Received: 07/26/24 13:00 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		07/29/24 13:08	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/29/24 13:08	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/29/24 13:08	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/29/24 13:08	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/29/24 13:08	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/29/24 13:08	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/29/24 13:08	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/29/24 13:08	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 13:08	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/29/24 13:08	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 13:08	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 13:08	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/29/24 13:08	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 13:08	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 13:08	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/29/24 13:08	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/29/24 13:08	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/29/24 13:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/29/24 13:08	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/29/24 13:08	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/29/24 13:08	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 13:08	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/29/24 13:08	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/29/24 13:08	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 13:08	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 13:08	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/29/24 13:08	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/29/24 13:08	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/29/24 13:08	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 13:08	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/29/24 13:08	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/29/24 13:08	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/29/24 13:08	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/29/24 13:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/29/24 13:08	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		07/29/24 13:08	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		07/29/24 13:08	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		07/29/24 15:45		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Sample: EQ BLANK 072624 **Lab ID: 35894655008** Collected: 07/26/24 11:39 Received: 07/26/24 13:00 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		07/30/24 12:10		
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		08/05/24 16:28		
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		07/31/24 08:09	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		08/01/24 14:39	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	**0.20 U**	mg/L	0.50	0.20	1	07/30/24 13:44	07/31/24 11:23	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		07/27/24 11:40		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/27/24 11:40	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**12.5 U**	mg/L	20.0	12.5	1	07/29/24 09:50	07/30/24 09:18		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**0.50 U**	mg/L	1.0	0.50	1		07/30/24 01:02	7440-44-0	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

QC Batch: 1030332
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

METHOD BLANK: 5661711 Matrix: Water
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.14 U	0.20	0.14	07/31/24 12:03	

LABORATORY CONTROL SAMPLE: 5661712

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.2	112	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661713 5661714

Parameter	Units	35893341002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.16 I	2	2	2.1	2.2	99	102	75-125	3	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

QC Batch: 1030349
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

METHOD BLANK: 5661781 Matrix: Water
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	07/31/24 13:46	
Beryllium	ug/L	0.17 U	4.0	0.17	07/31/24 13:46	
Cadmium	ug/L	0.33 U	1.0	0.33	07/31/24 13:46	
Chromium	ug/L	1.7 U	5.0	1.7	07/31/24 13:46	
Cobalt	ug/L	0.96 U	10.0	0.96	07/31/24 13:46	
Copper	ug/L	2.6 U	5.0	2.6	07/31/24 13:46	
Iron	ug/L	25.0 U	40.0	25.0	07/31/24 13:46	
Lead	ug/L	2.1 U	10.0	2.1	07/31/24 13:46	
Nickel	ug/L	1.0 U	5.0	1.0	07/31/24 13:46	
Selenium	ug/L	3.9 U	15.0	3.9	07/31/24 13:46	
Silver	ug/L	1.0 U	5.0	1.0	07/31/24 13:46	
Sodium	mg/L	0.54 U	2.0	0.54	07/31/24 13:46	
Vanadium	ug/L	1.0 U	10.0	1.0	07/31/24 13:46	
Zinc	ug/L	11.0 U	20.0	11.0	07/31/24 13:46	

LABORATORY CONTROL SAMPLE: 5661782

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	264	106	80-120	
Beryllium	ug/L	25	25.1	101	80-120	
Cadmium	ug/L	25	25.0	100	80-120	
Chromium	ug/L	250	248	99	80-120	
Cobalt	ug/L	250	251	100	80-120	
Copper	ug/L	250	256	102	80-120	
Iron	ug/L	2500	2560	102	80-120	
Lead	ug/L	250	256	103	80-120	
Nickel	ug/L	250	255	102	80-120	
Selenium	ug/L	250	242	97	80-120	
Silver	ug/L	25	25.5	102	80-120	
Sodium	mg/L	12.5	12.9	103	80-120	
Vanadium	ug/L	250	259	103	80-120	
Zinc	ug/L	1250	1230	98	80-120	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661783 5661784

Parameter	Units	35894655001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	159	250	250	401	404	97	98	75-125	1	20	
Beryllium	ug/L	0.17 U	25	25	25.1	25.3	100	101	75-125	1	20	
Cadmium	ug/L	0.33 U	25	25	23.2	23.3	93	93	75-125	1	20	
Chromium	ug/L	1.7 U	250	250	241	244	96	98	75-125	1	20	
Cobalt	ug/L	0.96 U	250	250	239	241	96	96	75-125	1	20	
Copper	ug/L	2.6 U	250	250	245	246	98	98	75-125	0	20	
Iron	ug/L	1680	2500	2500	4140	4140	98	98	75-125	0	20	
Lead	ug/L	2.1 U	250	250	240	242	96	97	75-125	1	20	
Nickel	ug/L	1.0 U	250	250	242	243	97	97	75-125	1	20	
Selenium	ug/L	3.9 U	250	250	236	238	94	95	75-125	1	20	
Silver	ug/L	1.0 U	25	25	25.2	25.1	101	101	75-125	0	20	
Sodium	mg/L	398	12.5	12.5	393	396	-34	-15	75-125	1	20	J(M1), L
Vanadium	ug/L	1.0 U	250	250	256	258	102	103	75-125	1	20	
Zinc	ug/L	11.0 U	1250	1250	1190	1200	96	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

QC Batch: 1030348
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

METHOD BLANK: 5661777 Matrix: Water
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	07/31/24 13:21	
Arsenic	ug/L	0.50 U	1.0	0.50	07/31/24 13:21	
Thallium	ug/L	0.11 U	1.0	0.11	07/31/24 13:21	

LABORATORY CONTROL SAMPLE: 5661778

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.7	99	80-120	
Arsenic	ug/L	50	50.4	101	80-120	
Thallium	ug/L	50	51.2	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661779 5661780

Parameter	Units	35894655002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	49.4	46.7	99	93	75-125	6	20	
Arsenic	ug/L	0.50 U	50	50	49.6	47.7	98	95	75-125	4	20	
Thallium	ug/L	0.11 U	50	50	49.5	47.2	99	94	75-125	5	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

QC Batch: 1029708
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007

METHOD BLANK: 5658876
Matrix: Water
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	07/28/24 19:45	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/28/24 19:45	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	07/28/24 19:45	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/28/24 19:45	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	07/28/24 19:45	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	07/28/24 19:45	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	07/28/24 19:45	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	07/28/24 19:45	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	07/28/24 19:45	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	07/28/24 19:45	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	07/28/24 19:45	J(v1)
2-Hexanone	ug/L	6.6 U	25.0	6.6	07/28/24 19:45	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	07/28/24 19:45	
Acetone	ug/L	8.7 U	25.0	8.7	07/28/24 19:45	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	07/28/24 19:45	
Benzene	ug/L	0.30 U	1.0	0.30	07/28/24 19:45	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	07/28/24 19:45	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	07/28/24 19:45	
Bromoform	ug/L	0.48 U	3.0	0.48	07/28/24 19:45	
Bromomethane	ug/L	3.9 U	10.0	3.9	07/28/24 19:45	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	07/28/24 19:45	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	07/28/24 19:45	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	07/28/24 19:45	
Chloroethane	ug/L	3.7 U	10.0	3.7	07/28/24 19:45	
Chloroform	ug/L	0.56 U	1.0	0.56	07/28/24 19:45	
Chloromethane	ug/L	0.43 U	1.0	0.43	07/28/24 19:45	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	07/28/24 19:45	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	07/28/24 19:45	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	07/28/24 19:45	
Dibromomethane	ug/L	0.68 U	2.0	0.68	07/28/24 19:45	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	07/28/24 19:45	
Iodomethane	ug/L	3.6 U	10.0	3.6	07/28/24 19:45	J(v2)
m&p-Xylene	ug/L	0.75 U	4.0	0.75	07/28/24 19:45	
Methylene Chloride	ug/L	1.7 U	5.0	1.7	07/28/24 19:45	J(v1)
o-Xylene	ug/L	0.57 U	1.0	0.57	07/28/24 19:45	
Styrene	ug/L	0.26 U	1.0	0.26	07/28/24 19:45	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	07/28/24 19:45	
Toluene	ug/L	0.33 U	1.0	0.33	07/28/24 19:45	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	07/28/24 19:45	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	07/28/24 19:45	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

METHOD BLANK: 5658876 Matrix: Water
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	07/28/24 19:45	
Trichloroethene	ug/L	0.36 U	1.0	0.36	07/28/24 19:45	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	07/28/24 19:45	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	07/28/24 19:45	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	07/28/24 19:45	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	07/28/24 19:45	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130		07/28/24 19:45	
4-Bromofluorobenzene (S)	%	96	70-130		07/28/24 19:45	
Toluene-d8 (S)	%	100	70-130		07/28/24 19:45	

LABORATORY CONTROL SAMPLE: 5658877

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	19.8	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.1	91	68-125	
1,1,2-Trichloroethane	ug/L	20	18.6	93	70-130	
1,1-Dichloroethane	ug/L	20	20.2	101	70-130	
1,1-Dichloroethene	ug/L	20	20.2	101	66-133	
1,2,3-Trichloropropane	ug/L	20	16.0	80	62-127	
1,2-Dichlorobenzene	ug/L	20	18.7	94	70-130	
1,2-Dichloropropane	ug/L	20	20.0	100	70-130	
1,4-Dichlorobenzene	ug/L	20	19.5	98	70-130	
2-Butanone (MEK)	ug/L	100	131	131	47-143	J(v1)
2-Hexanone	ug/L	100	102	102	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	100	100	57-132	
Acetone	ug/L	100	109	109	46-148	
Acrylonitrile	ug/L	100	99.4	99	60-143	
Benzene	ug/L	20	19.7	98	70-130	
Bromochloromethane	ug/L	20	19.5	98	70-130	
Bromodichloromethane	ug/L	20	19.9	99	70-130	
Bromoform	ug/L	20	18.8	94	49-126	
Bromomethane	ug/L	20	9.6 I	48	10-165	J(v3)
Carbon disulfide	ug/L	20	21.4	107	60-141	
Carbon tetrachloride	ug/L	20	19.7	99	63-126	
Chlorobenzene	ug/L	20	19.1	96	70-130	
Chloroethane	ug/L	20	20.8	104	71-142	
Chloroform	ug/L	20	18.7	93	70-130	
Chloromethane	ug/L	20	18.5	92	40-140	
cis-1,2-Dichloroethene	ug/L	20	20.3	102	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.6	98	70-130	
Dibromochloromethane	ug/L	20	19.8	99	62-118	
Dibromomethane	ug/L	20	18.7	94	70-130	
Ethylbenzene	ug/L	20	19.2	96	70-130	

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Pompano Beach, FL 33064
(954)582-4300

QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

LABORATORY CONTROL SAMPLE: 5658877

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	5.7 I	29	10-164	J(v3)
m&p-Xylene	ug/L	40	39.6	99	70-130	
Methylene Chloride	ug/L	20	24.2	121	65-136	J(v1)
o-Xylene	ug/L	20	19.9	99	70-130	
Styrene	ug/L	20	20.1	101	70-130	
Tetrachloroethene	ug/L	20	19.4	97	64-134	
Toluene	ug/L	20	19.6	98	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.0	100	68-127	
trans-1,3-Dichloropropene	ug/L	20	19.5	98	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	23.7	118	42-129	
Trichloroethene	ug/L	20	18.6	93	70-130	
Trichlorofluoromethane	ug/L	20	19.0	95	65-135	
Vinyl acetate	ug/L	20	16.5	82	60-144	
Vinyl chloride	ug/L	20	20.8	104	68-131	
Xylene (Total)	ug/L	60	59.5	99	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 5658879

Parameter	Units	35894664001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	11.0	55	70-130	J(M1)
1,1,1-Trichloroethane	ug/L	0.30 U	20	12.5	63	70-130	J(M1)
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	10.3	52	68-125	J(M1)
1,1,2-Trichloroethane	ug/L	0.30 U	20	10.7	54	70-130	J(M1)
1,1-Dichloroethane	ug/L	0.34 U	20	12.8	64	70-130	J(M1)
1,1-Dichloroethene	ug/L	0.59 U	20	13.4	67	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	8.7	43	62-127	J(M1)
1,2-Dichlorobenzene	ug/L	0.60 U	20	10.2	51	70-130	J(M1)
1,2-Dichloropropane	ug/L	0.23 U	20	12.5	63	70-130	J(M1)
1,4-Dichlorobenzene	ug/L	0.28 U	20	10.7	54	70-130	J(M1)
2-Butanone (MEK)	ug/L	6.7 U	100	59.1	59	47-143	J(v1)
2-Hexanone	ug/L	6.6 U	100	59.6	60	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	58.8	59	57-132	
Acetone	ug/L	8.7 U	100	71.6	72	46-148	
Acrylonitrile	ug/L	3.7 U	100	64.7	65	60-143	
Benzene	ug/L	0.34 I	20	12.6	61	70-130	J(M1)
Bromochloromethane	ug/L	0.37 U	20	12.6	63	70-130	J(M1)
Bromodichloromethane	ug/L	0.19 U	20	11.7	59	70-130	J(M1)
Bromoform	ug/L	0.48 U	20	10.2	51	49-126	
Bromomethane	ug/L	3.9 U	20	3.9 U	14	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	13.0	65	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	11.7	58	63-126	J(M1)
Chlorobenzene	ug/L	0.35 U	20	11.1	56	70-130	J(M1)

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

MATRIX SPIKE SAMPLE: 5658879

Parameter	Units	35894664001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	3.7 U	20	12.1	60	71-142	J(M1)
Chloroform	ug/L	0.56 U	20	11.8	59	70-130	J(M1)
Chloromethane	ug/L	0.43 U	20	11.6	58	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	12.2	61	70-130	J(M1)
cis-1,3-Dichloropropene	ug/L	0.17 U	20	10.2	51	70-130	J(M1)
Dibromochloromethane	ug/L	0.45 U	20	11.3	56	62-118	J(M1)
Dibromomethane	ug/L	0.68 U	20	11.0	55	70-130	J(M1)
Ethylbenzene	ug/L	0.30 U	20	11.1	56	70-130	J(M1)
Iodomethane	ug/L	3.6 U	20	3.6 U	8	10-164	J(M1),J(v3)
m&p-Xylene	ug/L	0.75 U	40	21.9	55	70-130	J(M1)
Methylene Chloride	ug/L	1.7 U	20	15.5	78	65-136	J(v1)
o-Xylene	ug/L	0.57 U	20	10.8	54	70-130	J(M1)
Styrene	ug/L	0.26 U	20	10.8	54	70-130	J(M1)
Tetrachloroethene	ug/L	0.38 U	20	10.9	55	64-134	J(M1)
Toluene	ug/L	0.33 U	20	11.6	57	70-130	J(M1)
trans-1,2-Dichloroethene	ug/L	0.23 U	20	12.9	65	68-127	J(M1)
trans-1,3-Dichloropropene	ug/L	0.37 U	20	10.4	52	65-121	J(M1)
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	11.8	59	42-129	
Trichloroethene	ug/L	0.36 U	20	11.5	57	70-130	J(M1)
Trichlorofluoromethane	ug/L	0.72 U	20	10.9	55	65-135	J(M1)
Vinyl acetate	ug/L	1.8 U	20	9.5 I	48	60-144	J(M1)
Vinyl chloride	ug/L	0.39 U	20	12.3	62	68-131	J(M1)
Xylene (Total)	ug/L	2.1 U	60	32.7	55	70-130	MS
1,2-Dichlorobenzene-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 5658878

Parameter	Units	35894655007 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(v1)
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 2nd Semiannual RRF
Pace Project No.: 35894655

SAMPLE DUPLICATE: 5658878

Parameter	Units	35894655007 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	J(v1)
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	0.34 I	0.35 I		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)	%	102	103		40	
4-Bromofluorobenzene (S)	%	94	97		40	
Toluene-d8 (S)	%	100	100		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

QC Batch: 1029766
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35894655008

METHOD BLANK: 5659053 Matrix: Water

Associated Lab Samples: 35894655008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	07/29/24 10:53	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/29/24 10:53	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	07/29/24 10:53	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/29/24 10:53	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	07/29/24 10:53	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	07/29/24 10:53	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	07/29/24 10:53	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	07/29/24 10:53	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	07/29/24 10:53	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	07/29/24 10:53	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	07/29/24 10:53	
2-Hexanone	ug/L	6.6 U	25.0	6.6	07/29/24 10:53	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	07/29/24 10:53	
Acetone	ug/L	8.7 U	25.0	8.7	07/29/24 10:53	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	07/29/24 10:53	
Benzene	ug/L	0.30 U	1.0	0.30	07/29/24 10:53	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	07/29/24 10:53	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	07/29/24 10:53	
Bromoform	ug/L	0.48 U	3.0	0.48	07/29/24 10:53	
Bromomethane	ug/L	3.9 U	10.0	3.9	07/29/24 10:53	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	07/29/24 10:53	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	07/29/24 10:53	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	07/29/24 10:53	
Chloroethane	ug/L	3.7 U	10.0	3.7	07/29/24 10:53	
Chloroform	ug/L	0.56 U	1.0	0.56	07/29/24 10:53	
Chloromethane	ug/L	0.43 U	1.0	0.43	07/29/24 10:53	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	07/29/24 10:53	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	07/29/24 10:53	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	07/29/24 10:53	
Dibromomethane	ug/L	0.68 U	2.0	0.68	07/29/24 10:53	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	07/29/24 10:53	
Iodomethane	ug/L	3.6 U	10.0	3.6	07/29/24 10:53	J(v2)
m&p-Xylene	ug/L	0.75 U	4.0	0.75	07/29/24 10:53	
Methylene Chloride	ug/L	1.7 U	5.0	1.7	07/29/24 10:53	
o-Xylene	ug/L	0.57 U	1.0	0.57	07/29/24 10:53	
Styrene	ug/L	0.26 U	1.0	0.26	07/29/24 10:53	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	07/29/24 10:53	
Toluene	ug/L	0.33 U	1.0	0.33	07/29/24 10:53	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	07/29/24 10:53	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	07/29/24 10:53	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

METHOD BLANK: 5659053 Matrix: Water
Associated Lab Samples: 35894655008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	07/29/24 10:53	
Trichloroethene	ug/L	0.36 U	1.0	0.36	07/29/24 10:53	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	07/29/24 10:53	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	07/29/24 10:53	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	07/29/24 10:53	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	07/29/24 10:53	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130		07/29/24 10:53	
4-Bromofluorobenzene (S)	%	97	70-130		07/29/24 10:53	
Toluene-d8 (S)	%	99	70-130		07/29/24 10:53	

LABORATORY CONTROL SAMPLE: 5659054

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.1	95	70-130	
1,1,1-Trichloroethane	ug/L	20	19.3	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.9	90	68-125	
1,1,2-Trichloroethane	ug/L	20	18.7	94	70-130	
1,1-Dichloroethane	ug/L	20	20.8	104	70-130	
1,1-Dichloroethene	ug/L	20	20.1	101	66-133	
1,2,3-Trichloropropane	ug/L	20	21.7	109	62-127	
1,2-Dichlorobenzene	ug/L	20	18.7	94	70-130	
1,2-Dichloropropane	ug/L	20	19.7	99	70-130	
1,4-Dichlorobenzene	ug/L	20	19.3	96	70-130	
2-Butanone (MEK)	ug/L	100	91.8	92	47-143	
2-Hexanone	ug/L	100	97.9	98	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	96.6	97	57-132	
Acetone	ug/L	100	112	112	46-148	
Acrylonitrile	ug/L	100	101	101	60-143	
Benzene	ug/L	20	19.7	99	70-130	
Bromochloromethane	ug/L	20	19.7	99	70-130	
Bromodichloromethane	ug/L	20	19.7	99	70-130	
Bromoform	ug/L	20	17.3	87	49-126	
Bromomethane	ug/L	20	6.9 I	34	10-165	J(v3)
Carbon disulfide	ug/L	20	21.7	108	60-141	
Carbon tetrachloride	ug/L	20	19.1	96	63-126	
Chlorobenzene	ug/L	20	19.0	95	70-130	
Chloroethane	ug/L	20	19.6	98	71-142	
Chloroform	ug/L	20	18.9	95	70-130	
Chloromethane	ug/L	20	16.2	81	40-140	
cis-1,2-Dichloroethene	ug/L	20	19.7	99	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.7	99	70-130	
Dibromochloromethane	ug/L	20	19.0	95	62-118	
Dibromomethane	ug/L	20	18.4	92	70-130	
Ethylbenzene	ug/L	20	19.0	95	70-130	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

LABORATORY CONTROL SAMPLE: 5659054

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	4.1 I	20	10-164	J(v3)
m&p-Xylene	ug/L	40	38.7	97	70-130	
Methylene Chloride	ug/L	20	23.5	117	65-136	
o-Xylene	ug/L	20	19.3	97	70-130	
Styrene	ug/L	20	19.6	98	70-130	
Tetrachloroethene	ug/L	20	19.3	97	64-134	
Toluene	ug/L	20	19.3	96	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.9	100	68-127	
trans-1,3-Dichloropropene	ug/L	20	19.6	98	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	22.7	114	42-129	
Trichloroethene	ug/L	20	18.2	91	70-130	
Trichlorofluoromethane	ug/L	20	18.9	94	65-135	
Vinyl acetate	ug/L	20	16.5	82	60-144	
Vinyl chloride	ug/L	20	18.9	95	68-131	
Xylene (Total)	ug/L	60	58.0	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 5659056

Parameter	Units	35894664003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	19.5	97	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	21.4	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	18.4	92	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	19.6	98	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	22.2	111	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	22.6	113	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	18.8	94	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.2	86	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	21.3	106	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	17.4	87	70-130	
2-Butanone (MEK)	ug/L	6.7 U	100	91.2	91	47-143	
2-Hexanone	ug/L	6.6 U	100	101	101	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	102	102	57-132	
Acetone	ug/L	8.7 U	100	101	101	46-148	
Acrylonitrile	ug/L	3.7 U	100	100	100	60-143	
Benzene	ug/L	0.30 U	20	21.2	106	70-130	
Bromochloromethane	ug/L	0.37 U	20	20.1	100	70-130	
Bromodichloromethane	ug/L	0.19 U	20	20.7	103	70-130	
Bromoform	ug/L	0.48 U	20	18.0	90	49-126	
Bromomethane	ug/L	3.9 U	20	4.5 I	22	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	21.5	108	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	20.9	105	63-126	
Chlorobenzene	ug/L	0.35 U	20	18.8	94	70-130	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

MATRIX SPIKE SAMPLE: 5659056

Parameter	Units	35894664003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	3.7 U	20	19.5	98	71-142	
Chloroform	ug/L	0.56 U	20	20.1	101	70-130	
Chloromethane	ug/L	0.43 U	20	18.0	90	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	21.9	110	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	18.5	92	70-130	
Dibromochloromethane	ug/L	0.45 U	20	19.7	98	62-118	
Dibromomethane	ug/L	0.68 U	20	18.9	95	70-130	
Ethylbenzene	ug/L	0.30 U	20	18.7	93	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	38.0	95	70-130	
Methylene Chloride	ug/L	1.7 U	20	25.5	127	65-136	
o-Xylene	ug/L	0.57 U	20	18.9	94	70-130	
Styrene	ug/L	0.26 U	20	19.2	96	70-130	
Tetrachloroethene	ug/L	0.38 U	20	18.0	90	64-134	
Toluene	ug/L	0.33 U	20	19.6	97	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	21.9	110	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	18.9	94	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	17.4	87	42-129	
Trichloroethene	ug/L	0.36 U	20	18.7	94	70-130	
Trichlorofluoromethane	ug/L	0.72 U	20	18.8	94	65-135	
Vinyl acetate	ug/L	1.8 U	20	14.7	73	60-144	
Vinyl chloride	ug/L	0.39 U	20	19.9	99	68-131	
Xylene (Total)	ug/L	2.1 U	60	56.9	95	70-130	
1,2-Dichlorobenzene-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				96	70-130	
Toluene-d8 (S)	%				97	70-130	

SAMPLE DUPLICATE: 5659055

Parameter	Units	35894664002 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	
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 2nd Semiannual RRF
Pace Project No.: 35894655

SAMPLE DUPLICATE: 5659055

Parameter	Units	35894664002 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	0.35 I	0.38 I		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		40	
1,2-Dichlorobenzene-d4 (S)	%	101	101		40	
4-Bromofluorobenzene (S)	%	97	93		40	
Toluene-d8 (S)	%	99	101		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

QC Batch: 1029740
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

METHOD BLANK: 5658981 Matrix: Water
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	08/02/24 17:31	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	08/02/24 17:31	

LABORATORY CONTROL SAMPLE: 5658982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.29	115	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.25	101	60-140	

MATRIX SPIKE SAMPLE: 5658983

Parameter	Units	35894411007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.25	0.30	116	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.25	0.26	100	60-140	

SAMPLE DUPLICATE: 5658984

Parameter	Units	35894411008 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0066 U	0.0066 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0077 U	0.0077 U		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

QC Batch: 1029824 — Analysis Method: SM 2320B
QC Batch Method: SM 2320B — Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

METHOD BLANK: 5659195 — Matrix: Water
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	5.0 U	5.0	5.0	07/29/24 11:55	

LABORATORY CONTROL SAMPLE: 5659196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	250	227	91	90-110	

SAMPLE DUPLICATE: 5659197

Parameter	Units	35894558002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	11.2	11.0	2	20	

SAMPLE DUPLICATE: 5659198

Parameter	Units	35894655004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	218	218	0	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

QC Batch: 1029888
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894655001

METHOD BLANK: 5659467 Matrix: Water
Associated Lab Samples: 35894655001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	07/29/24 17:31	

LABORATORY CONTROL SAMPLE: 5659468

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

SAMPLE DUPLICATE: 5659469

Parameter	Units	35894843001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	38.0	43.0	12	10	J(D6)

SAMPLE DUPLICATE: 5659470

Parameter	Units	35894655001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2310	2090	10	10	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

QC Batch: 1030046 — Analysis Method: SM 2540C
QC Batch Method: SM 2540C — Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

METHOD BLANK: 5660201 — Matrix: Water
Associated Lab Samples: 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	07/30/24 12:10	

LABORATORY CONTROL SAMPLE: 5660202

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

SAMPLE DUPLICATE: 5660203

Parameter	Units	35894627002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	870	844	3	10	

SAMPLE DUPLICATE: 5660204

Parameter	Units	35894655002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	418	414	1	10	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

QC Batch: 1030100
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

METHOD BLANK: 5660378 Matrix: Water
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	07/31/24 04:13	

LABORATORY CONTROL SAMPLE: 5660379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	46.1	92	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5665574 5665575

Parameter	Units	35894655005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	37.5	50	50	91.4	91.5	108	108	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

QC Batch: 1030688 — 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: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

METHOD BLANK: 5663487 — Matrix: Water
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	08/01/24 12:43	

LABORATORY CONTROL SAMPLE: 5663488

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: 5663490 — 5663489

Parameter	Units	35894655001 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	2.4	1	1	3.4	3.4	97	100	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5663491 — 5663492

Parameter	Units	35893665001 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	6.4	1	1	7.3	7.4	90	93	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

QC Batch: 1029619 — 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: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

METHOD BLANK: 5658632 — Matrix: Water
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.20 U	0.50	0.20	07/31/24 10:57	

LABORATORY CONTROL SAMPLE: 5658633

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	20	18.8	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5658635 — 5658634

Parameter	Units	35894599005 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	4.2	20	20	23.8	23.7	98	97	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5658637 — 5658636

Parameter	Units	35894627001 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	8.9	40	40	46.5	46.8	94	95	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

QC Batch: 1029571
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

METHOD BLANK: 5658442 Matrix: Water
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	07/27/24 11:09	
Nitrogen, NO2 plus NO3	mg/L	0.015 U	0.050	0.015	07/27/24 11:09	

LABORATORY CONTROL SAMPLE: 5658443

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: 5658447 5658446

Parameter	Units	35894655004 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	1.8	92	92	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5658449 5658448

Parameter	Units	35894749001 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	2.1	92	103	90-110	11	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

QC Batch: 1029775
QC Batch Method: EPA 410.4
Analysis Method: EPA 410.4
Analysis Description: 410.4 COD
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004

METHOD BLANK: 5659091 Matrix: Water
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5 U	20.0	12.5	07/30/24 09:18	

LABORATORY CONTROL SAMPLE: 5659092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	516	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5659094 5659093

Parameter	Units	35894164001 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	43.8	500	500	545	534	100	98	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5659096 5659095

Parameter	Units	35893970001 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	48.1	500	500	547	538	100	98	90-110	2	20	

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REPORT OF LABORATORY ANALYSIS

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3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

QC Batch: 1029776 | 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: 35894655005, 35894655006, 35894655007, 35894655008

METHOD BLANK: 5659100 Matrix: Water
Associated Lab Samples: 35894655005, 35894655006, 35894655007, 35894655008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5 U	20.0	12.5	07/30/24 09:18	

LABORATORY CONTROL SAMPLE: 5659101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	516	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5659103 5659102

Parameter	Units	35894655005 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	28.6	500	500	540	531	102	100	90-110	2	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

QC Batch: 1029826 — Analysis Method: SM 5310B
QC Batch Method: SM 5310B — Analysis Description: 5310B TOC
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

METHOD BLANK: 5659210 — Matrix: Water
Associated Lab Samples: 35894655001, 35894655002, 35894655003, 35894655004, 35894655005, 35894655006, 35894655007, 35894655008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	07/29/24 21:15	

LABORATORY CONTROL SAMPLE: 5659211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	20	19.6	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5659212 5659213

Parameter	Units	35894615002 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	20.4	20	20	38.7	39.4	92	95	80-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5659214 5659215

Parameter	Units	35894664001 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	9.5	20	20	28.2	28.5	94	95	80-120	1	20	

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QUALIFIERS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35894655001	**RR2(60)**				
35894655002	**RR2(30)**				
35894655003	**RR2(15)**				
35894655004	**RR2(15) Duplicate**				
35894655005	**RR16(60)**				
35894655006	**RR16(30)**				
35894655007	**RR16(15)**				
35894655001	**RR2(60)**	EPA 8011	1029740	EPA 8011	1029905
35894655002	**RR2(30)**	EPA 8011	1029740	EPA 8011	1029905
35894655003	**RR2(15)**	EPA 8011	1029740	EPA 8011	1029905
35894655004	**RR2(15) Duplicate**	EPA 8011	1029740	EPA 8011	1029905
35894655005	**RR16(60)**	EPA 8011	1029740	EPA 8011	1029905
35894655006	**RR16(30)**	EPA 8011	1029740	EPA 8011	1029905
35894655007	**RR16(15)**	EPA 8011	1029740	EPA 8011	1029905
35894655008	**EQ BLANK 072624**	EPA 8011	1029740	EPA 8011	1029905
35894655001	**RR2(60)**	EPA 3010	1030349	EPA 6010	1030442
35894655002	**RR2(30)**	EPA 3010	1030349	EPA 6010	1030442
35894655003	**RR2(15)**	EPA 3010	1030349	EPA 6010	1030442
35894655004	**RR2(15) Duplicate**	EPA 3010	1030349	EPA 6010	1030442
35894655005	**RR16(60)**	EPA 3010	1030349	EPA 6010	1030442
35894655006	**RR16(30)**	EPA 3010	1030349	EPA 6010	1030442
35894655007	**RR16(15)**	EPA 3010	1030349	EPA 6010	1030442
35894655008	**EQ BLANK 072624**	EPA 3010	1030349	EPA 6010	1030442
35894655001	**RR2(60)**	EPA 3010	1030348	EPA 6020	1030443
35894655002	**RR2(30)**	EPA 3010	1030348	EPA 6020	1030443
35894655003	**RR2(15)**	EPA 3010	1030348	EPA 6020	1030443
35894655004	**RR2(15) Duplicate**	EPA 3010	1030348	EPA 6020	1030443
35894655005	**RR16(60)**	EPA 3010	1030348	EPA 6020	1030443
35894655006	**RR16(30)**	EPA 3010	1030348	EPA 6020	1030443
35894655007	**RR16(15)**	EPA 3010	1030348	EPA 6020	1030443
35894655008	**EQ BLANK 072624**	EPA 3010	1030348	EPA 6020	1030443
35894655001	**RR2(60)**	EPA 7470	1030332	EPA 7470	1030369
35894655002	**RR2(30)**	EPA 7470	1030332	EPA 7470	1030369
35894655003	**RR2(15)**	EPA 7470	1030332	EPA 7470	1030369
35894655004	**RR2(15) Duplicate**	EPA 7470	1030332	EPA 7470	1030369
35894655005	**RR16(60)**	EPA 7470	1030332	EPA 7470	1030369
35894655006	**RR16(30)**	EPA 7470	1030332	EPA 7470	1030369
35894655007	**RR16(15)**	EPA 7470	1030332	EPA 7470	1030369
35894655008	**EQ BLANK 072624**	EPA 7470	1030332	EPA 7470	1030369
35894655001	**RR2(60)**	EPA 8260	1029708		
35894655002	**RR2(30)**	EPA 8260	1029708		
35894655003	**RR2(15)**	EPA 8260	1029708		
35894655004	**RR2(15) Duplicate**	EPA 8260	1029708		
35894655005	**RR16(60)**	EPA 8260	1029708		
35894655006	**RR16(30)**	EPA 8260	1029708		
35894655007	**RR16(15)**	EPA 8260	1029708		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35894655008	**EQ BLANK 072624**	EPA 8260	1029766		
35894655001	**RR2(60)**	SM 2320B	1029824		
35894655002	**RR2(30)**	SM 2320B	1029824		
35894655003	**RR2(15)**	SM 2320B	1029824		
35894655004	**RR2(15) Duplicate**	SM 2320B	1029824		
35894655005	**RR16(60)**	SM 2320B	1029824		
35894655006	**RR16(30)**	SM 2320B	1029824		
35894655007	**RR16(15)**	SM 2320B	1029824		
35894655008	**EQ BLANK 072624**	SM 2320B	1029824		
35894655001	**RR2(60)**	SM 2540C	1029888		
35894655002	**RR2(30)**	SM 2540C	1030046		
35894655003	**RR2(15)**	SM 2540C	1030046		
35894655004	**RR2(15) Duplicate**	SM 2540C	1030046		
35894655005	**RR16(60)**	SM 2540C	1030046		
35894655006	**RR16(30)**	SM 2540C	1030046		
35894655007	**RR16(15)**	SM 2540C	1030046		
35894655008	**EQ BLANK 072624**	SM 2540C	1030046		
35894655001	**RR2(60)**	TKN-NH3 Calculation	1031543		
35894655002	**RR2(30)**	TKN-NH3 Calculation	1031543		
35894655003	**RR2(15)**	TKN-NH3 Calculation	1031543		
35894655004	**RR2(15) Duplicate**	TKN-NH3 Calculation	1031543		
35894655005	**RR16(60)**	TKN-NH3 Calculation	1031543		
35894655006	**RR16(30)**	TKN-NH3 Calculation	1031543		
35894655007	**RR16(15)**	TKN-NH3 Calculation	1031543		
35894655008	**EQ BLANK 072624**	TKN-NH3 Calculation	1031543		
35894655001	**RR2(60)**	EPA 300.0	1030100		
35894655002	**RR2(30)**	EPA 300.0	1030100		
35894655003	**RR2(15)**	EPA 300.0	1030100		
35894655004	**RR2(15) Duplicate**	EPA 300.0	1030100		
35894655005	**RR16(60)**	EPA 300.0	1030100		
35894655006	**RR16(30)**	EPA 300.0	1030100		
35894655007	**RR16(15)**	EPA 300.0	1030100		
35894655008	**EQ BLANK 072624**	EPA 300.0	1030100		
35894655001	**RR2(60)**	EPA 350.1	1030688		
35894655002	**RR2(30)**	EPA 350.1	1030688		
35894655003	**RR2(15)**	EPA 350.1	1030688		
35894655004	**RR2(15) Duplicate**	EPA 350.1	1030688		
35894655005	**RR16(60)**	EPA 350.1	1030688		
35894655006	**RR16(30)**	EPA 350.1	1030688		
35894655007	**RR16(15)**	EPA 350.1	1030688		
35894655008	**EQ BLANK 072624**	EPA 350.1	1030688		
35894655001	**RR2(60)**	EPA 351.2	1029619	EPA 351.2	1030358
35894655002	**RR2(30)**	EPA 351.2	1029619	EPA 351.2	1030358
35894655003	**RR2(15)**	EPA 351.2	1029619	EPA 351.2	1030358
35894655004	**RR2(15) Duplicate**	EPA 351.2	1029619	EPA 351.2	1030358

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894655

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35894655005	**RR16(60)**	EPA 351.2	1029619	EPA 351.2	1030358
35894655006	**RR16(30)**	EPA 351.2	1029619	EPA 351.2	1030358
35894655007	**RR16(15)**	EPA 351.2	1029619	EPA 351.2	1030358
35894655008	**EQ BLANK 072624**	EPA 351.2	1029619	EPA 351.2	1030358
35894655001	**RR2(60)**	EPA 353.2	1029571		
35894655002	**RR2(30)**	EPA 353.2	1029571		
35894655003	**RR2(15)**	EPA 353.2	1029571		
35894655004	**RR2(15) Duplicate**	EPA 353.2	1029571		
35894655005	**RR16(60)**	EPA 353.2	1029571		
35894655006	**RR16(30)**	EPA 353.2	1029571		
35894655007	**RR16(15)**	EPA 353.2	1029571		
35894655008	**EQ BLANK 072624**	EPA 353.2	1029571		
35894655001	**RR2(60)**	EPA 410.4	1029775	EPA 410.4	1030801
35894655002	**RR2(30)**	EPA 410.4	1029775	EPA 410.4	1030801
35894655003	**RR2(15)**	EPA 410.4	1029775	EPA 410.4	1030801
35894655004	**RR2(15) Duplicate**	EPA 410.4	1029775	EPA 410.4	1030801
35894655005	**RR16(60)**	EPA 410.4	1029776	EPA 410.4	1030802
35894655006	**RR16(30)**	EPA 410.4	1029776	EPA 410.4	1030802
35894655007	**RR16(15)**	EPA 410.4	1029776	EPA 410.4	1030802
35894655008	**EQ BLANK 072624**	EPA 410.4	1029776	EPA 410.4	1030802
35894655001	**RR2(60)**	SM 5310B	1029826		
35894655002	**RR2(30)**	SM 5310B	1029826		
35894655003	**RR2(15)**	SM 5310B	1029826		
35894655004	**RR2(15) Duplicate**	SM 5310B	1029826		
35894655005	**RR16(60)**	SM 5310B	1029826		
35894655006	**RR16(30)**	SM 5310B	1029826		
35894655007	**RR16(15)**	SM 5310B	1029826		
35894655008	**EQ BLANK 072624**	SM 5310B	1029826		

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

WO# : 35894655

35894655

Company Name:	Miami-Dade Department of Solid Waste Management	Contact/Report To:	Mario Porcelli
Street Address:	2525 NW 62, Miami, FL 33147	Phone #:	(305)592-1187
		E-Mail:	mario.porcelli@miamidade.gov
		Cc E-Mail:	
Customer Project #:			
Project Name:	FDEP 2nd Semiannual RRF	Invoice To:	Mario Porcelli
		Invoice E-Mail:	mario.porcelli@miamidade.gov
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	SW0000002055
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Florida

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

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:

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)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	5310B TOC	8011 GCS EDB and DBCP	8260 MSV	Alkalinity, TDS	Metals 6010/6020/7470	NH3 TKN TON COD	NO2, NO3, CL	Sample Comment	Preservation non-conformance identified for sample.
RW2(60)					7/26/24	822	11			X	X	X	X	X	X	X		
RW2(30)						907												
RW2(15)						930												
DUPE						937												
RW16(60)						1031												
RW16(30)						1108												
RW16(15)						1132												
EQ Blank						1139												

**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) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Rossy Guima

AcctNum / Client ID:

Table #:

Profile / Template: 3549

Prelog / Bottle Ord. ID: EZ 3128787

Additional Instructions from Pace®:

Collected By: (Printed Name) Richard Flores

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
2	T-414	-0.1	3.9	3.3	Y/N

Relinquished by/Company: (Signature)	Date/Time: 7/26/24 1300	Received by/Company: (Signature)	Date/Time: 7/26/24 1300	Tracking Number:	
Relinquished by/Company: (Signature)	Date/Time: 7/26/24 1830	Received by/Company: (Signature)	Date/Time: 7.26.24 22:45	Delivered by: [ ] In- Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:		
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: of	

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: RRF	SITE LOCATION: Doral	
WELL NO: RR2(60)	SAMPLE ID: RR2(60)	DATE: 7/26/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 9.81	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)
= (60 feet – 9.81 feet) X 0.16 gallons/foot = 8.03 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): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 750	PURGING ENDED AT: 831	TOTAL VOLUME PURGED (gallons): 12.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
817	0.1	8.1	0.30	9.81	6.96	25.6	3621	0.3/0.02	0.02	clear	Mild
824	2.1	10.2	"	"	6.96	25.6	3622	0.3/0.02	0.02	"	"
831	2.1	12.3	"	"	6.96	25.6	3622	0.3/0.02	0.02	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Richard Flores / Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 832	SAMPLING ENDED AT: 838
PUMP OR TUBING DEPTH IN WELL (feet): 15	TUBING MATERIAL CODE: HDPE-S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
RR2(60)	1	PE	500mL	cool	0	6.96	Alkalinity, TDS	APP	300
	1	PE	250mL	cool		6.96	NO2, NO3, Cl	"	"
	1	PE	250mL	H_2SO_4		<2	NH3 TKN TOC COD		
	1	PE	250mL	HNO_3		<2	Metals		
	2	CG	40mL	$Na_2S_2O_3$		<2	GCS KOA, DBCP		
	2	CG	40mL	HCl		<2	TOC		
REMARKS:	3	CG	40mL	HCl		<2	MSV		

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:	RRF	SITE LOCATION:	Doral	
WELL NO:	RR2 (30)	SAMPLE ID:	RR2 (30)	DATE: 7/26/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 9.86	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 feet – 9.86 feet) X 0.16 gallons/foot = 3.22 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): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 849	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or %saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
900	3.3	3.3	0.30	9.96	7.16	26.0	693	0.4/0.03	0.17	clear	mild
903	0.9	4.2	"	"	7.15	26.0	693	0.4/0.03	0.10	"	"
906	0.9	5.1	"	"	7.16	26.0	694	0.4/0.03	0.10	"	"

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 Flores / Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 907	SAMPLING ENDED AT: 913
PUMP OR TUBING DEPTH IN WELL (feet): 15	TUBING MATERIAL CODE: HDPE-S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
RR2(30)	1	PE	500mL	COOL	0	7.16	Alkalinity, TDS	APP	300
	1	PE	250mL	COOL		7.16	NO2 NO3 CL		
	1	PE	250mL	H2SO4		<2	NH3 TKN TON COD		
	1	PE	250mL	HNO3		<2	Metals		
	2	CG	40mL	Na2S2O3		<2	GCS EDB, DBCP		
	2	CG	40mL	HCl		<2	TOC		
REMARKS:	3	CG	40mL	HCl		<2	VOA		

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: NRK	SITE LOCATION: Doral	
WELL NO: NRZ (15)	SAMPLE ID: NRZ (15)	DATE: 7/26/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 9.95	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15 feet – 9.95 feet) X 0.16 gallons/foot = 0.80 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12	PURGING INITIATED AT: 923	PURGING ENDED AT: 929	TOTAL VOLUME PURGED (gallons): 1.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
927	0.8	0.8	0.20	9.95	7.13	28.6	1019	0.4/0.03	0.87	clear	mild
928	0.2	1.0	"	"	7.13	28.7	1020	0.4/0.03	0.76	"	"
929	0.2	1.2	"	"	7.13	28.7	1020	0.4/0.03	0.72	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Richard Flores / Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 930	SAMPLING ENDED AT: 936
PUMP OR TUBING DEPTH IN WELL (feet): 12	TUBING MATERIAL CODE: HDPE-S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
NRZ(15)	1	PE	500mL	cool	0	7.13	Alkalinity, TDS	APP	300
	1	PE	250mL	cool		7.13	NO2, NO3, Cl		
	1	PE	250mL	H_2SO_4		<2	NH3 TKN TOC COD		
	1	PE	250mL	HNO_3		<2	Metals		
	2	CG	40mL	Na_2SO_3		<2	GCS NDD, DDCP		
	2	CG	40mL	HCl		<2	TOC		
REMARKS: 3		CG	40mL	HCl		<2	MSV		

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

NAME: RRK	SITE LOCATION: Doral	
WELL NO: RRIG(60)	SAMPLE ID: RRIG(60)	DATE: 7/26/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.06	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)
= (60 feet − 10.06 feet) X 0.16 gallons/foot = 7.99 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): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 950	PURGING ENDED AT: 1031	TOTAL VOLUME PURGED (gallons): 12.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1017	8.1	8.1	0.30	10.06	7.20	26.5	S/2	0.8/10.06	0.26	Clear	Mild
1024	2.1	10.2	"	"	7.21	26.5	S/2	0.7/10.05	0.17	"	"
1031	2.1	12.3	"	"	7.21	26.5	S/2	0.7/10.05	0.20	"	"

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 Rios / Pace	SAMPLER(S) SIGNATURE(S): RR	SAMPLING INITIATED AT: 1031	SAMPLING ENDED AT: 1037
PUMP OR TUBING DEPTH IN WELL (feet): 15	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
RRIG(60)	1	PE	500mL	Cool	0	7.21	Alkalinity, TDS	APP	300
	1	PE	250mL	Cool	"	7.21	NO3, NO2, Cl	"	"
	1	PE	250mL	H_2SO_4	"	<2	NH3 TKN TON COD	"	"
	1	PE	250mL	HNO_3	"	<2	Metals	"	"
	2	CG	40mL	$Na_2S_2O_3$	"	<2	GCMS, DRO	"	"
	2	CG	40mL	HCl	"	<2	TOC	"	"
REMARKS:	3	CG	40mL	HCl	"	<2	MSV	"	"

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: RNP	SITE LOCATION: Doral	
WELL NO: RNG (30)	SAMPLE ID: RNG(30)	DATE: 7/26/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.24	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 feet – 10.34 feet) X 0.16 gallons/foot = 3.14 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): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 1050	PURGING ENDED AT: 1107	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1101	3.3	3.3	0.30	10.34	6.99	27.2	615	0.1/0.01	0.48	clear	Mild
1104	0.9	4.2	1	1	6.99	27.2	615	0.1/0.01	0.42	1	1
1107	0.9	5.1	1	1	6.99	27.2	615	0.1/0.01	0.34	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: Richard Flores / Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1108	SAMPLING ENDED AT: 1114
PUMP OR TUBING DEPTH IN WELL (feet): 15	TUBING MATERIAL CODE: HDPE-S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
RNG(30)	1	PE	500mL	COOL	0	6.99	Alkalinity, TDS	APP	300
	1	PE	250mL	COOL		6.99	NO2, NO3, Cl		
	1	PE	250mL	H2SO4		<2	NH3, TKN, TON, COD		
	1	PE	250mL	HNO3		<2	Metals		
	2	CG	40mL	Na2S2O3		<2	CCS, EDB, DBCP		
	2	CG	40mL	HCl		<2	TOC		
REMARKS:	3	CG	40mL	HCl		<2	MIV		

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: MRF	SITE LOCATION: Doral	
WELL NO: MR16(15)	SAMPLE ID: MR16(15)	DATE: 7/26/21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.32	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15 feet – 10.32 feet) X 0.16 gallons/foot = 0.74 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12	PURGING INITIATED AT: 1125	PURGING ENDED AT: 1131	TOTAL VOLUME PURGED (gallons): 1.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1129	0.8	0.8	0.20	10.32	7.04	29.3	539	0.4/0.03	0.76	clear	Mild
1130	0.2	1.0	"	"	7.04	29.2	540	0.3/0.03	0.76	"	"
1131	0.2	1.2	"	"	7.04	29.2	539	0.3/0.03	0.71	"	"

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 Rivas/Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1132	SAMPLING ENDED AT: 1138
PUMP OR TUBING DEPTH IN WELL (feet): 12	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MR16(15)	1	PE	500mL	COOL	0	7.04	Alkalinity, TDS	APP	300
	1	PE	250mL	COOL		7.04	NO3, NO2, Cl		
	1	PE	250mL	H2SO4		<2	NH3 TKN TON COD		
	1	PE	250mL	HNO3		<2	Metals		
	2	CG	40mL	Na2S2O3		<2	GCS EDB, DBCP		
REMARKS:	2	CG	40mL	HCl		<2	TOC		
	3	CG	40mL	HCl		<2	MSV		

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

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

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

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

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

Pace

Sample Condition Upon Receipt Form (SCUR)

WO#: 35894655

PM: RYG **Due Date: 08/09/24**

CLIENT: 36-MDSWM

Project #

Project Manager:

Client:

Date and Initials of person:

Examining contents: _____

Verifying pH: _____

Thermometer Used: T-398 Date: 07/26/2024 Time: 1310 Initials: KV

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

Cooler #1 Temp.°C	4.1 (Visual)	-0.2 (Correction Factor)	3.9 (Actual)	☑Samples on ice, cooling process has begun.
Cooler #2 Temp.°C	4.8 (Visual)	-0.2 (Correction Factor)	4.6 (Actual)	☑Samples on ice, cooling process has begun.
Cooler #3 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	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**
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☐Yes	☐No	☑N/A	**Preservative:** _____ **Date:** _____ **Lot / Trace:** _____ **Time:** _____ **Amount added (mL):** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☐No	☑N/A	
Trip Blank Present:	☐Yes	☐No	☑N/A	

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

Labeled by: _____ **Reviewed by:** _____ **Delivered by:** _____

Pace

Sample Condition Upon Receipt Form (SCUR)

WO# : 35894655

PM: RYG **Due Date: 08/09/24**

CLIENT: 36-MDSWM

Project #

Project Manager:

Client:

Date and Initials of person: 7-27-24

Examining contents: RJ

Verifying pH: RJ

Thermometer Used: T-414 Date: 7-26-24 Time: 22:23 Initials: [signature]

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

Cooler #1 Temp.°C	3.9 (Visual)	-0.1 (Correction Factor)	3.8 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C	3.3 (Visual)	_____ (Correction Factor)	3.2 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	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: (SEE BELOW)
All containers needing acid / base preservation have been checked.	☑Yes	☐No	☐N/A	**Preservation Information**
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑Yes	☐No	☐N/A	**Preservative:** _____ **Date:** _____ **Lot / Trace:** _____ **Time:** _____ **Amount added (mL):** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☑No	☐N/A	
Trip Blank Present:	☐Yes	☐No	☑N/A	

Comments / Resolutions (use back for additional comments): *EACH SAMPLES COLLECTION TIME RANGES FROM THE TIME LISTED ON THE COC AND DOES NOT EXCEED MORE THAN 7 MINUTES ON THE CONTAINERS.

Labeled by: RJ **Reviewed by:** [signature] **Delivered by:** [signature]

Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

August 05, 2024

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

RE: Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on July 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
Arelys Roman, Miami-Dade Department of Solid Waste Management

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Pompano Beach, FL 33064
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CERTIFICATIONS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

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
Nevada Certification: FL NELAC Reciprocity
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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Pompano Beach, FL 33064
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SAMPLE SUMMARY

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35894664001	**RR19(60)**	Water	07/26/24 13:05	07/26/24 14:59
35894664002	**RR19(60) Duplicate**	Water	07/26/24 13:05	07/26/24 14:59
35894664003	**RR19(20)**	Water	07/26/24 13:46	07/26/24 14:59
35894664004	**EQ BLANK 0726242**	Water	07/26/24 14:05	07/26/24 14:59

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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35894664001	**RR19(60)**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	LL	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35894664002	**RR19(60) Duplicate**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35894664003	**RR19(20)**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O

REPORT OF LABORATORY ANALYSIS

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3610 Park Central Blvd N
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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35894664004	**EQ BLANK 0726242**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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Pompano Beach, FL 33064
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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

Sample: RR19(60) **Lab ID: 35894664001** Collected: 07/26/24 13:05 Received: 07/26/24 14:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.26**	Std. Units			1		07/26/24 13:05		
Field Temperature	**28.7**	deg C			1		07/26/24 13:05		
Field Specific Conductance	**691**	umhos/cm			1		07/26/24 13:05		
Oxygen, Dissolved	**0.02**	mg/L			1		07/26/24 13:05	7782-44-7	
Turbidity	**0.19**	NTU			1		07/26/24 13:05		
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	07/29/24 12:01	08/02/24 21:46	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	07/29/24 12:01	08/02/24 21:46	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**28.9**	ug/L	10.0	0.84	1	07/31/24 08:15	07/31/24 16:55	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 16:55	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 16:55	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 16:55	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 16:55	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 16:55	7440-50-8	
Iron	**817**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 16:55	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 16:55	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 16:55	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 16:55	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 16:55	7440-22-4	
Sodium	**42.9**	mg/L	2.0	0.54	1	07/31/24 08:15	07/31/24 16:55	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 16:55	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 16:55	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	07/31/24 08:15	07/31/24 13:47	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 13:47	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 13:47	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	08/01/24 08:31	08/01/24 12:39	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		07/29/24 04:20	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/29/24 04:20	107-13-1	
Benzene	**0.34 I**	ug/L	1.0	0.30	1		07/29/24 04:20	71-43-2	J(M1)
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 04:20	74-97-5	J(M1)

REPORT OF LABORATORY ANALYSIS

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3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

Sample: RR19(60) **Lab ID: 35894664001** Collected: 07/26/24 13:05 Received: 07/26/24 14:59 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		07/29/24 04:20	75-27-4	J(M1)
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/29/24 04:20	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/29/24 04:20	74-83-9	J(v2), J(v3)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/29/24 04:20	78-93-3	J(v1)
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 04:20	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/29/24 04:20	56-23-5	J(M1)
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/29/24 04:20	108-90-7	J(M1)
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/29/24 04:20	75-00-3	J(M1)
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/29/24 04:20	67-66-3	J(M1)
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/29/24 04:20	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/29/24 04:20	124-48-1	J(M1)
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/29/24 04:20	74-95-3	J(M1)
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/29/24 04:20	95-50-1	J(M1)
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/29/24 04:20	106-46-7	J(M1)
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/29/24 04:20	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/29/24 04:20	75-34-3	J(M1)
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 04:20	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/29/24 04:20	156-59-2	J(M1)
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 04:20	156-60-5	J(M1)
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 04:20	78-87-5	J(M1)
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/29/24 04:20	10061-01-5	J(M1)
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 04:20	10061-02-6	J(M1)
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 04:20	100-41-4	J(M1)
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/29/24 04:20	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/29/24 04:20	74-88-4	J(M1), J(v2), J(v3)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/29/24 04:20	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/29/24 04:20	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/29/24 04:20	100-42-5	J(M1)
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/29/24 04:20	630-20-6	J(M1)
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 04:20	79-34-5	J(M1)
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/29/24 04:20	127-18-4	J(M1)
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/29/24 04:20	108-88-3	J(M1)
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 04:20	71-55-6	J(M1)
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 04:20	79-00-5	J(M1)
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/29/24 04:20	79-01-6	J(M1)
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/29/24 04:20	75-69-4	J(M1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/29/24 04:20	96-18-4	J(M1)
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 04:20	108-05-4	J(M1)
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/29/24 04:20	75-01-4	J(M1)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/29/24 04:20	1330-20-7	MS
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/29/24 04:20	179601-23-1	J(M1)
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/29/24 04:20	95-47-6	J(M1)

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(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

Sample: RR19(60) **Lab ID: 35894664001** Collected: 07/26/24 13:05 Received: 07/26/24 14:59 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									
4-Bromofluorobenzene (S)	99	%	70-130		1		07/29/24 04:20	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		07/29/24 04:20	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		07/29/24 04:20	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**229**	mg/L	5.0	5.0	1		07/29/24 16:04		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**400**	mg/L	5.0	5.0	1		07/30/24 12:10		
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		08/05/24 16:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**85.2**	mg/L	5.0	2.5	1		07/31/24 08:14	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**1.5**	mg/L	0.050	0.035	1		08/01/24 18:17	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	07/30/24 13:44	07/31/24 11:24	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		07/27/24 11:41		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/27/24 11:41	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**30.9**	mg/L	20.0	12.5	1	07/29/24 09:50	07/30/24 09:18		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**9.5**	mg/L	1.0	0.50	1		07/30/24 01:14	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

Sample: RR19(60) Duplicate **Lab ID: 35894664002** Collected: 07/26/24 13:05 Received: 07/26/24 14:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.26**	Std. Units			1		07/26/24 13:05		
Field Temperature	**28.7**	deg C			1		07/26/24 13:05		
Field Specific Conductance	**691**	umhos/cm			1		07/26/24 13:05		
Oxygen, Dissolved	**0.02**	mg/L			1		07/26/24 13:05	7782-44-7	
Turbidity	**0.19**	NTU			1		07/26/24 13:05		
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	07/29/24 12:01	08/02/24 21:58	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	07/29/24 12:01	08/02/24 21:58	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**29.7**	ug/L	10.0	0.84	1	07/31/24 08:15	07/31/24 16:58	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 16:58	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 16:58	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 16:58	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 16:58	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 16:58	7440-50-8	
Iron	**836**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 16:58	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 16:58	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 16:58	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 16:58	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 16:58	7440-22-4	
Sodium	**43.9**	mg/L	2.0	0.54	1	07/31/24 08:15	07/31/24 16:58	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 16:58	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 16:58	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	07/31/24 08:15	07/31/24 13:48	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 13:48	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 13:48	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	08/01/24 08:31	08/01/24 12:55	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		07/29/24 17:38	630-20-6	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 17:38	71-55-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 17:38	79-34-5	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 17:38	79-00-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

Sample: RR19(60) Duplicate **Lab ID: 35894664002** Collected: 07/26/24 13:05 Received: 07/26/24 14:59 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		07/29/24 17:38	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 17:38	75-35-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/29/24 17:38	96-18-4	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/29/24 17:38	95-50-1	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 17:38	78-87-5	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/29/24 17:38	106-46-7	
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/29/24 17:38	78-93-3	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/29/24 17:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/29/24 17:38	108-10-1	
Acetone	**8.7 U**	ug/L	25.0	8.7	1		07/29/24 17:38	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/29/24 17:38	107-13-1	
Benzene	**0.35 I**	ug/L	1.0	0.30	1		07/29/24 17:38	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 17:38	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		07/29/24 17:38	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/29/24 17:38	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/29/24 17:38	74-83-9	J(v2)
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 17:38	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/29/24 17:38	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/29/24 17:38	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/29/24 17:38	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/29/24 17:38	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/29/24 17:38	74-87-3	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/29/24 17:38	156-59-2	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/29/24 17:38	10061-01-5	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/29/24 17:38	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/29/24 17:38	74-95-3	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 17:38	100-41-4	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/29/24 17:38	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/29/24 17:38	75-09-2	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/29/24 17:38	100-42-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/29/24 17:38	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/29/24 17:38	108-88-3	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 17:38	156-60-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 17:38	10061-02-6	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/29/24 17:38	110-57-6	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/29/24 17:38	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/29/24 17:38	75-69-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 17:38	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/29/24 17:38	75-01-4	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/29/24 17:38	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/29/24 17:38	95-47-6	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/29/24 17:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/29/24 17:38	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		07/29/24 17:38	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

Sample: RR19(60) Duplicate **Lab ID: 35894664002** Collected: 07/26/24 13:05 Received: 07/26/24 14:59 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		07/29/24 17:38	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**226**	mg/L	5.0	5.0	1		07/29/24 16:16		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**400**	mg/L	5.0	5.0	1		07/30/24 12:10		
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		08/05/24 16:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**84.5**	mg/L	5.0	2.5	1		08/01/24 01:30	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**1.5**	mg/L	0.050	0.035	1		08/01/24 18:18	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	07/30/24 13:44	07/31/24 11:25	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		07/27/24 11:42		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/27/24 11:42	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**30.9**	mg/L	20.0	12.5	1	07/29/24 09:50	07/30/24 09:18		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**9.7**	mg/L	1.0	0.50	1		07/30/24 01:55	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

Sample: RR19(20) **Lab ID: 35894664003** Collected: 07/26/24 13:46 Received: 07/26/24 14:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.09**	Std. Units			1		07/26/24 13:46		
Field Temperature	**30.8**	deg C			1		07/26/24 13:46		
Field Specific Conductance	**703**	umhos/cm			1		07/26/24 13:46		
Oxygen, Dissolved	**0.01**	mg/L			1		07/26/24 13:46	7782-44-7	
Turbidity	**0.02**	NTU			1		07/26/24 13:46		
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	07/29/24 12:01	08/02/24 22:10	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	07/29/24 12:01	08/02/24 22:10	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**29.6**	ug/L	10.0	0.84	1	07/31/24 08:15	07/31/24 17:02	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 17:02	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 17:02	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 17:02	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 17:02	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 17:02	7440-50-8	
Iron	**49.1**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 17:02	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 17:02	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 17:02	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 17:02	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 17:02	7440-22-4	
Sodium	**43.1**	mg/L	2.0	0.54	1	07/31/24 08:15	07/31/24 17:02	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 17:02	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 17:02	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	07/31/24 08:15	07/31/24 13:50	7440-36-0	
Arsenic	**0.50 I**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 13:50	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 13:50	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	08/01/24 08:31	08/01/24 12:57	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		07/29/24 18:23	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/29/24 18:23	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 18:23	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 18:23	74-97-5	

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(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

Sample: RR19(20) **Lab ID: 35894664003** Collected: 07/26/24 13:46 Received: 07/26/24 14:59 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		07/29/24 18:23	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/29/24 18:23	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/29/24 18:23	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/29/24 18:23	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 18:23	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/29/24 18:23	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/29/24 18:23	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/29/24 18:23	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/29/24 18:23	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/29/24 18:23	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/29/24 18:23	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/29/24 18:23	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/29/24 18:23	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/29/24 18:23	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/29/24 18:23	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/29/24 18:23	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 18:23	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/29/24 18:23	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 18:23	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 18:23	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/29/24 18:23	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 18:23	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 18:23	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/29/24 18:23	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/29/24 18:23	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/29/24 18:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/29/24 18:23	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/29/24 18:23	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/29/24 18:23	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 18:23	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/29/24 18:23	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/29/24 18:23	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 18:23	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 18:23	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/29/24 18:23	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/29/24 18:23	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/29/24 18:23	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 18:23	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/29/24 18:23	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/29/24 18:23	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/29/24 18:23	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/29/24 18:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		07/29/24 18:23	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		07/29/24 18:23	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

Sample: RR19(20) **Lab ID: 35894664003** Collected: 07/26/24 13:46 Received: 07/26/24 14:59 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		07/29/24 18:23	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**211**	mg/L	5.0	5.0	1		07/29/24 16:28		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**393**	mg/L	5.0	5.0	1		07/30/24 12:10		
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		08/05/24 16:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**88.1**	mg/L	5.0	2.5	1		08/01/24 13:07	16887-00-6	J(M1)
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**1.2**	mg/L	0.050	0.035	1		08/01/24 18:20	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	**1.3**	mg/L	0.50	0.20	1	07/30/24 13:44	07/31/24 11:29	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		07/27/24 11:44		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/27/24 11:44	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**28.6**	mg/L	20.0	12.5	1	07/29/24 09:50	07/30/24 09:18		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**8.7**	mg/L	1.0	0.50	1		07/30/24 02:06	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

Sample: EQ BLANK 0726242 **Lab ID: 35894664004** Collected: 07/26/24 14:05 Received: 07/26/24 14:59 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0066 U**	ug/L	0.020	0.0066	1	07/29/24 12:01	08/02/24 22:22	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	07/29/24 12:01	08/02/24 22:22	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	07/31/24 08:15	07/31/24 17:05	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 17:05	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 17:05	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 17:05	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 17:05	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 17:05	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 17:05	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 17:05	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 17:05	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 17:05	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 17:05	7440-22-4	
Sodium	**0.54 U**	mg/L	2.0	0.54	1	07/31/24 08:15	07/31/24 17:05	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 17:05	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 17:05	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	07/31/24 08:15	07/31/24 13:52	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 13:52	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 13:52	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	08/01/24 08:31	08/01/24 12:59	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**21.4 I**	ug/L	25.0	8.7	1		07/29/24 12:45	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/29/24 12:45	107-13-1	
Benzene	**0.41 I**	ug/L	1.0	0.30	1		07/29/24 12:45	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 12:45	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		07/29/24 12:45	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/29/24 12:45	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/29/24 12:45	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/29/24 12:45	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 12:45	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/29/24 12:45	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/29/24 12:45	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/29/24 12:45	75-00-3	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

Sample: EQ BLANK 0726242 **Lab ID: 35894664004** Collected: 07/26/24 14:05 Received: 07/26/24 14:59 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		07/29/24 12:45	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/29/24 12:45	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/29/24 12:45	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/29/24 12:45	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/29/24 12:45	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/29/24 12:45	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/29/24 12:45	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/29/24 12:45	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 12:45	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/29/24 12:45	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 12:45	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/29/24 12:45	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/29/24 12:45	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/29/24 12:45	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 12:45	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/29/24 12:45	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/29/24 12:45	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/29/24 12:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/29/24 12:45	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/29/24 12:45	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/29/24 12:45	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/29/24 12:45	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/29/24 12:45	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/29/24 12:45	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 12:45	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/29/24 12:45	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/29/24 12:45	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/29/24 12:45	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/29/24 12:45	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/29/24 12:45	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/29/24 12:45	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/29/24 12:45	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/29/24 12:45	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/29/24 12:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/29/24 12:45	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		07/29/24 12:45	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		07/29/24 12:45	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		07/30/24 18:39		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

Sample: EQ BLANK 0726242 **Lab ID: 35894664004** Collected: 07/26/24 14:05 Received: 07/26/24 14:59 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		07/30/24 12:10		
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		08/05/24 16:28		
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		08/01/24 02:57	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		08/01/24 18:21	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	07/30/24 13:44	07/31/24 11:30	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		07/27/24 11:45		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/27/24 11:45	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	07/29/24 09:50	07/30/24 09:18		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**0.50 U**	mg/L	1.0	0.50	1		07/30/24 02:20	7440-44-0	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

QC Batch: 1030667
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

METHOD BLANK: 5663457 Matrix: Water
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.14 U	0.20	0.14	08/01/24 12:34	

LABORATORY CONTROL SAMPLE: 5663458

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5663459 5663460

Parameter	Units	35894664001 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	100	99	75-125	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

QC Batch: 1030349
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

METHOD BLANK: 5661781 Matrix: Water
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	07/31/24 13:46	
Beryllium	ug/L	0.17 U	4.0	0.17	07/31/24 13:46	
Cadmium	ug/L	0.33 U	1.0	0.33	07/31/24 13:46	
Chromium	ug/L	1.7 U	5.0	1.7	07/31/24 13:46	
Cobalt	ug/L	0.96 U	10.0	0.96	07/31/24 13:46	
Copper	ug/L	2.6 U	5.0	2.6	07/31/24 13:46	
Iron	ug/L	25.0 U	40.0	25.0	07/31/24 13:46	
Lead	ug/L	2.1 U	10.0	2.1	07/31/24 13:46	
Nickel	ug/L	1.0 U	5.0	1.0	07/31/24 13:46	
Selenium	ug/L	3.9 U	15.0	3.9	07/31/24 13:46	
Silver	ug/L	1.0 U	5.0	1.0	07/31/24 13:46	
Sodium	mg/L	0.54 U	2.0	0.54	07/31/24 13:46	
Vanadium	ug/L	1.0 U	10.0	1.0	07/31/24 13:46	
Zinc	ug/L	11.0 U	20.0	11.0	07/31/24 13:46	

LABORATORY CONTROL SAMPLE: 5661782

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	264	106	80-120	
Beryllium	ug/L	25	25.1	101	80-120	
Cadmium	ug/L	25	25.0	100	80-120	
Chromium	ug/L	250	248	99	80-120	
Cobalt	ug/L	250	251	100	80-120	
Copper	ug/L	250	256	102	80-120	
Iron	ug/L	2500	2560	102	80-120	
Lead	ug/L	250	256	103	80-120	
Nickel	ug/L	250	255	102	80-120	
Selenium	ug/L	250	242	97	80-120	
Silver	ug/L	25	25.5	102	80-120	
Sodium	mg/L	12.5	12.9	103	80-120	
Vanadium	ug/L	250	259	103	80-120	
Zinc	ug/L	1250	1230	98	80-120	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661783 5661784

Parameter	Units	35894655001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	159	250	250	401	404	97	98	75-125	1	20	
Beryllium	ug/L	0.17 U	25	25	25.1	25.3	100	101	75-125	1	20	
Cadmium	ug/L	0.33 U	25	25	23.2	23.3	93	93	75-125	1	20	
Chromium	ug/L	1.7 U	250	250	241	244	96	98	75-125	1	20	
Cobalt	ug/L	0.96 U	250	250	239	241	96	96	75-125	1	20	
Copper	ug/L	2.6 U	250	250	245	246	98	98	75-125	0	20	
Iron	ug/L	1680	2500	2500	4140	4140	98	98	75-125	0	20	
Lead	ug/L	2.1 U	250	250	240	242	96	97	75-125	1	20	
Nickel	ug/L	1.0 U	250	250	242	243	97	97	75-125	1	20	
Selenium	ug/L	3.9 U	250	250	236	238	94	95	75-125	1	20	
Silver	ug/L	1.0 U	25	25	25.2	25.1	101	101	75-125	0	20	
Sodium	mg/L	398	12.5	12.5	393	396	-34	-15	75-125	1	20	J(M1), L
Vanadium	ug/L	1.0 U	250	250	256	258	102	103	75-125	1	20	
Zinc	ug/L	11.0 U	1250	1250	1190	1200	96	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

QC Batch: 1030348
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

METHOD BLANK: 5661777 Matrix: Water
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	07/31/24 13:21	
Arsenic	ug/L	0.50 U	1.0	0.50	07/31/24 13:21	
Thallium	ug/L	0.11 U	1.0	0.11	07/31/24 13:21	

LABORATORY CONTROL SAMPLE: 5661778

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.7	99	80-120	
Arsenic	ug/L	50	50.4	101	80-120	
Thallium	ug/L	50	51.2	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661779 5661780

Parameter	Units	35894655002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	49.4	46.7	99	93	75-125	6	20	
Arsenic	ug/L	0.50 U	50	50	49.6	47.7	98	95	75-125	4	20	
Thallium	ug/L	0.11 U	50	50	49.5	47.2	99	94	75-125	5	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

QC Batch: 1029708
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894664001

METHOD BLANK: 5658876 Matrix: Water
Associated Lab Samples: 35894664001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	07/28/24 19:45	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/28/24 19:45	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	07/28/24 19:45	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/28/24 19:45	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	07/28/24 19:45	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	07/28/24 19:45	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	07/28/24 19:45	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	07/28/24 19:45	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	07/28/24 19:45	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	07/28/24 19:45	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	07/28/24 19:45	J(v1)
2-Hexanone	ug/L	6.6 U	25.0	6.6	07/28/24 19:45	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	07/28/24 19:45	
Acetone	ug/L	8.7 U	25.0	8.7	07/28/24 19:45	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	07/28/24 19:45	
Benzene	ug/L	0.30 U	1.0	0.30	07/28/24 19:45	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	07/28/24 19:45	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	07/28/24 19:45	
Bromoform	ug/L	0.48 U	3.0	0.48	07/28/24 19:45	
Bromomethane	ug/L	3.9 U	10.0	3.9	07/28/24 19:45	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	07/28/24 19:45	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	07/28/24 19:45	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	07/28/24 19:45	
Chloroethane	ug/L	3.7 U	10.0	3.7	07/28/24 19:45	
Chloroform	ug/L	0.56 U	1.0	0.56	07/28/24 19:45	
Chloromethane	ug/L	0.43 U	1.0	0.43	07/28/24 19:45	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	07/28/24 19:45	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	07/28/24 19:45	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	07/28/24 19:45	
Dibromomethane	ug/L	0.68 U	2.0	0.68	07/28/24 19:45	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	07/28/24 19:45	
Iodomethane	ug/L	3.6 U	10.0	3.6	07/28/24 19:45	J(v2)
m&p-Xylene	ug/L	0.75 U	4.0	0.75	07/28/24 19:45	
Methylene Chloride	ug/L	1.7 U	5.0	1.7	07/28/24 19:45	J(v1)
o-Xylene	ug/L	0.57 U	1.0	0.57	07/28/24 19:45	
Styrene	ug/L	0.26 U	1.0	0.26	07/28/24 19:45	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	07/28/24 19:45	
Toluene	ug/L	0.33 U	1.0	0.33	07/28/24 19:45	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	07/28/24 19:45	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	07/28/24 19:45	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

METHOD BLANK: 5658876 Matrix: Water
Associated Lab Samples: 35894664001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	07/28/24 19:45	
Trichloroethene	ug/L	0.36 U	1.0	0.36	07/28/24 19:45	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	07/28/24 19:45	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	07/28/24 19:45	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	07/28/24 19:45	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	07/28/24 19:45	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130		07/28/24 19:45	
4-Bromofluorobenzene (S)	%	96	70-130		07/28/24 19:45	
Toluene-d8 (S)	%	100	70-130		07/28/24 19:45	

LABORATORY CONTROL SAMPLE: 5658877

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	19.8	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.1	91	68-125	
1,1,2-Trichloroethane	ug/L	20	18.6	93	70-130	
1,1-Dichloroethane	ug/L	20	20.2	101	70-130	
1,1-Dichloroethene	ug/L	20	20.2	101	66-133	
1,2,3-Trichloropropane	ug/L	20	16.0	80	62-127	
1,2-Dichlorobenzene	ug/L	20	18.7	94	70-130	
1,2-Dichloropropane	ug/L	20	20.0	100	70-130	
1,4-Dichlorobenzene	ug/L	20	19.5	98	70-130	
2-Butanone (MEK)	ug/L	100	131	131	47-143	J(v1)
2-Hexanone	ug/L	100	102	102	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	100	100	57-132	
Acetone	ug/L	100	109	109	46-148	
Acrylonitrile	ug/L	100	99.4	99	60-143	
Benzene	ug/L	20	19.7	98	70-130	
Bromochloromethane	ug/L	20	19.5	98	70-130	
Bromodichloromethane	ug/L	20	19.9	99	70-130	
Bromoform	ug/L	20	18.8	94	49-126	
Bromomethane	ug/L	20	9.6 I	48	10-165	J(v3)
Carbon disulfide	ug/L	20	21.4	107	60-141	
Carbon tetrachloride	ug/L	20	19.7	99	63-126	
Chlorobenzene	ug/L	20	19.1	96	70-130	
Chloroethane	ug/L	20	20.8	104	71-142	
Chloroform	ug/L	20	18.7	93	70-130	
Chloromethane	ug/L	20	18.5	92	40-140	
cis-1,2-Dichloroethene	ug/L	20	20.3	102	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.6	98	70-130	
Dibromochloromethane	ug/L	20	19.8	99	62-118	
Dibromomethane	ug/L	20	18.7	94	70-130	
Ethylbenzene	ug/L	20	19.2	96	70-130	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

LABORATORY CONTROL SAMPLE: 5658877

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	5.7 I	29	10-164	J(v3)
m&p-Xylene	ug/L	40	39.6	99	70-130	
Methylene Chloride	ug/L	20	24.2	121	65-136	J(v1)
o-Xylene	ug/L	20	19.9	99	70-130	
Styrene	ug/L	20	20.1	101	70-130	
Tetrachloroethene	ug/L	20	19.4	97	64-134	
Toluene	ug/L	20	19.6	98	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.0	100	68-127	
trans-1,3-Dichloropropene	ug/L	20	19.5	98	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	23.7	118	42-129	
Trichloroethene	ug/L	20	18.6	93	70-130	
Trichlorofluoromethane	ug/L	20	19.0	95	65-135	
Vinyl acetate	ug/L	20	16.5	82	60-144	
Vinyl chloride	ug/L	20	20.8	104	68-131	
Xylene (Total)	ug/L	60	59.5	99	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 5658879

Parameter	Units	35894664001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	11.0	55	70-130	J(M1)
1,1,1-Trichloroethane	ug/L	0.30 U	20	12.5	63	70-130	J(M1)
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	10.3	52	68-125	J(M1)
1,1,2-Trichloroethane	ug/L	0.30 U	20	10.7	54	70-130	J(M1)
1,1-Dichloroethane	ug/L	0.34 U	20	12.8	64	70-130	J(M1)
1,1-Dichloroethene	ug/L	0.59 U	20	13.4	67	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	8.7	43	62-127	J(M1)
1,2-Dichlorobenzene	ug/L	0.60 U	20	10.2	51	70-130	J(M1)
1,2-Dichloropropane	ug/L	0.23 U	20	12.5	63	70-130	J(M1)
1,4-Dichlorobenzene	ug/L	0.28 U	20	10.7	54	70-130	J(M1)
2-Butanone (MEK)	ug/L	6.7 U	100	59.1	59	47-143	J(v1)
2-Hexanone	ug/L	6.6 U	100	59.6	60	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	58.8	59	57-132	
Acetone	ug/L	8.7 U	100	71.6	72	46-148	
Acrylonitrile	ug/L	3.7 U	100	64.7	65	60-143	
Benzene	ug/L	0.34 I	20	12.6	61	70-130	J(M1)
Bromochloromethane	ug/L	0.37 U	20	12.6	63	70-130	J(M1)
Bromodichloromethane	ug/L	0.19 U	20	11.7	59	70-130	J(M1)
Bromoform	ug/L	0.48 U	20	10.2	51	49-126	
Bromomethane	ug/L	3.9 U	20	3.9 U	14	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	13.0	65	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	11.7	58	63-126	J(M1)
Chlorobenzene	ug/L	0.35 U	20	11.1	56	70-130	J(M1)

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

MATRIX SPIKE SAMPLE: 5658879

Parameter	Units	35894664001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	3.7 U	20	12.1	60	71-142	J(M1)
Chloroform	ug/L	0.56 U	20	11.8	59	70-130	J(M1)
Chloromethane	ug/L	0.43 U	20	11.6	58	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	12.2	61	70-130	J(M1)
cis-1,3-Dichloropropene	ug/L	0.17 U	20	10.2	51	70-130	J(M1)
Dibromochloromethane	ug/L	0.45 U	20	11.3	56	62-118	J(M1)
Dibromomethane	ug/L	0.68 U	20	11.0	55	70-130	J(M1)
Ethylbenzene	ug/L	0.30 U	20	11.1	56	70-130	J(M1)
Iodomethane	ug/L	3.6 U	20	3.6 U	8	10-164	J(M1),J(v3)
m&p-Xylene	ug/L	0.75 U	40	21.9	55	70-130	J(M1)
Methylene Chloride	ug/L	1.7 U	20	15.5	78	65-136	J(v1)
o-Xylene	ug/L	0.57 U	20	10.8	54	70-130	J(M1)
Styrene	ug/L	0.26 U	20	10.8	54	70-130	J(M1)
Tetrachloroethene	ug/L	0.38 U	20	10.9	55	64-134	J(M1)
Toluene	ug/L	0.33 U	20	11.6	57	70-130	J(M1)
trans-1,2-Dichloroethene	ug/L	0.23 U	20	12.9	65	68-127	J(M1)
trans-1,3-Dichloropropene	ug/L	0.37 U	20	10.4	52	65-121	J(M1)
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	11.8	59	42-129	
Trichloroethene	ug/L	0.36 U	20	11.5	57	70-130	J(M1)
Trichlorofluoromethane	ug/L	0.72 U	20	10.9	55	65-135	J(M1)
Vinyl acetate	ug/L	1.8 U	20	9.5 I	48	60-144	J(M1)
Vinyl chloride	ug/L	0.39 U	20	12.3	62	68-131	J(M1)
Xylene (Total)	ug/L	2.1 U	60	32.7	55	70-130	MS
1,2-Dichlorobenzene-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 5658878

Parameter	Units	35894655007 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(v1)
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 2nd Semiannual RRF
Pace Project No.: 35894664

SAMPLE DUPLICATE: 5658878

Parameter	Units	35894655007 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	J(v1)
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	0.34 I	0.35 I		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)	%	102	103		40	
4-Bromofluorobenzene (S)	%	94	97		40	
Toluene-d8 (S)	%	100	100		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

QC Batch: 1029766
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894664002, 35894664003, 35894664004

METHOD BLANK: 5659053
Matrix: Water
Associated Lab Samples: 35894664002, 35894664003, 35894664004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	07/29/24 10:53	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/29/24 10:53	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	07/29/24 10:53	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/29/24 10:53	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	07/29/24 10:53	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	07/29/24 10:53	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	07/29/24 10:53	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	07/29/24 10:53	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	07/29/24 10:53	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	07/29/24 10:53	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	07/29/24 10:53	
2-Hexanone	ug/L	6.6 U	25.0	6.6	07/29/24 10:53	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	07/29/24 10:53	
Acetone	ug/L	8.7 U	25.0	8.7	07/29/24 10:53	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	07/29/24 10:53	
Benzene	ug/L	0.30 U	1.0	0.30	07/29/24 10:53	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	07/29/24 10:53	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	07/29/24 10:53	
Bromoform	ug/L	0.48 U	3.0	0.48	07/29/24 10:53	
Bromomethane	ug/L	3.9 U	10.0	3.9	07/29/24 10:53	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	07/29/24 10:53	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	07/29/24 10:53	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	07/29/24 10:53	
Chloroethane	ug/L	3.7 U	10.0	3.7	07/29/24 10:53	
Chloroform	ug/L	0.56 U	1.0	0.56	07/29/24 10:53	
Chloromethane	ug/L	0.43 U	1.0	0.43	07/29/24 10:53	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	07/29/24 10:53	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	07/29/24 10:53	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	07/29/24 10:53	
Dibromomethane	ug/L	0.68 U	2.0	0.68	07/29/24 10:53	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	07/29/24 10:53	
Iodomethane	ug/L	3.6 U	10.0	3.6	07/29/24 10:53	J(v2)
m&p-Xylene	ug/L	0.75 U	4.0	0.75	07/29/24 10:53	
Methylene Chloride	ug/L	1.7 U	5.0	1.7	07/29/24 10:53	
o-Xylene	ug/L	0.57 U	1.0	0.57	07/29/24 10:53	
Styrene	ug/L	0.26 U	1.0	0.26	07/29/24 10:53	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	07/29/24 10:53	
Toluene	ug/L	0.33 U	1.0	0.33	07/29/24 10:53	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	07/29/24 10:53	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	07/29/24 10:53	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

METHOD BLANK: 5659053 Matrix: Water
Associated Lab Samples: 35894664002, 35894664003, 35894664004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	07/29/24 10:53	
Trichloroethene	ug/L	0.36 U	1.0	0.36	07/29/24 10:53	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	07/29/24 10:53	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	07/29/24 10:53	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	07/29/24 10:53	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	07/29/24 10:53	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130		07/29/24 10:53	
4-Bromofluorobenzene (S)	%	97	70-130		07/29/24 10:53	
Toluene-d8 (S)	%	99	70-130		07/29/24 10:53	

LABORATORY CONTROL SAMPLE: 5659054

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.1	95	70-130	
1,1,1-Trichloroethane	ug/L	20	19.3	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.9	90	68-125	
1,1,2-Trichloroethane	ug/L	20	18.7	94	70-130	
1,1-Dichloroethane	ug/L	20	20.8	104	70-130	
1,1-Dichloroethene	ug/L	20	20.1	101	66-133	
1,2,3-Trichloropropane	ug/L	20	21.7	109	62-127	
1,2-Dichlorobenzene	ug/L	20	18.7	94	70-130	
1,2-Dichloropropane	ug/L	20	19.7	99	70-130	
1,4-Dichlorobenzene	ug/L	20	19.3	96	70-130	
2-Butanone (MEK)	ug/L	100	91.8	92	47-143	
2-Hexanone	ug/L	100	97.9	98	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	96.6	97	57-132	
Acetone	ug/L	100	112	112	46-148	
Acrylonitrile	ug/L	100	101	101	60-143	
Benzene	ug/L	20	19.7	99	70-130	
Bromochloromethane	ug/L	20	19.7	99	70-130	
Bromodichloromethane	ug/L	20	19.7	99	70-130	
Bromoform	ug/L	20	17.3	87	49-126	
Bromomethane	ug/L	20	6.9 I	34	10-165	J(v3)
Carbon disulfide	ug/L	20	21.7	108	60-141	
Carbon tetrachloride	ug/L	20	19.1	96	63-126	
Chlorobenzene	ug/L	20	19.0	95	70-130	
Chloroethane	ug/L	20	19.6	98	71-142	
Chloroform	ug/L	20	18.9	95	70-130	
Chloromethane	ug/L	20	16.2	81	40-140	
cis-1,2-Dichloroethene	ug/L	20	19.7	99	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.7	99	70-130	
Dibromochloromethane	ug/L	20	19.0	95	62-118	
Dibromomethane	ug/L	20	18.4	92	70-130	
Ethylbenzene	ug/L	20	19.0	95	70-130	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

LABORATORY CONTROL SAMPLE: 5659054

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	4.1 I	20	10-164	J(v3)
m&p-Xylene	ug/L	40	38.7	97	70-130	
Methylene Chloride	ug/L	20	23.5	117	65-136	
o-Xylene	ug/L	20	19.3	97	70-130	
Styrene	ug/L	20	19.6	98	70-130	
Tetrachloroethene	ug/L	20	19.3	97	64-134	
Toluene	ug/L	20	19.3	96	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.9	100	68-127	
trans-1,3-Dichloropropene	ug/L	20	19.6	98	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	22.7	114	42-129	
Trichloroethene	ug/L	20	18.2	91	70-130	
Trichlorofluoromethane	ug/L	20	18.9	94	65-135	
Vinyl acetate	ug/L	20	16.5	82	60-144	
Vinyl chloride	ug/L	20	18.9	95	68-131	
Xylene (Total)	ug/L	60	58.0	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 5659056

Parameter	Units	35894664003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	19.5	97	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	21.4	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	18.4	92	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	19.6	98	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	22.2	111	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	22.6	113	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	18.8	94	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.2	86	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	21.3	106	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	17.4	87	70-130	
2-Butanone (MEK)	ug/L	6.7 U	100	91.2	91	47-143	
2-Hexanone	ug/L	6.6 U	100	101	101	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	102	102	57-132	
Acetone	ug/L	8.7 U	100	101	101	46-148	
Acrylonitrile	ug/L	3.7 U	100	100	100	60-143	
Benzene	ug/L	0.30 U	20	21.2	106	70-130	
Bromochloromethane	ug/L	0.37 U	20	20.1	100	70-130	
Bromodichloromethane	ug/L	0.19 U	20	20.7	103	70-130	
Bromoform	ug/L	0.48 U	20	18.0	90	49-126	
Bromomethane	ug/L	3.9 U	20	4.5 I	22	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	21.5	108	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	20.9	105	63-126	
Chlorobenzene	ug/L	0.35 U	20	18.8	94	70-130	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

MATRIX SPIKE SAMPLE: 5659056

Parameter	Units	35894664003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	3.7 U	20	19.5	98	71-142	
Chloroform	ug/L	0.56 U	20	20.1	101	70-130	
Chloromethane	ug/L	0.43 U	20	18.0	90	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	21.9	110	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	18.5	92	70-130	
Dibromochloromethane	ug/L	0.45 U	20	19.7	98	62-118	
Dibromomethane	ug/L	0.68 U	20	18.9	95	70-130	
Ethylbenzene	ug/L	0.30 U	20	18.7	93	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	38.0	95	70-130	
Methylene Chloride	ug/L	1.7 U	20	25.5	127	65-136	
o-Xylene	ug/L	0.57 U	20	18.9	94	70-130	
Styrene	ug/L	0.26 U	20	19.2	96	70-130	
Tetrachloroethene	ug/L	0.38 U	20	18.0	90	64-134	
Toluene	ug/L	0.33 U	20	19.6	97	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	21.9	110	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	18.9	94	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	17.4	87	42-129	
Trichloroethene	ug/L	0.36 U	20	18.7	94	70-130	
Trichlorofluoromethane	ug/L	0.72 U	20	18.8	94	65-135	
Vinyl acetate	ug/L	1.8 U	20	14.7	73	60-144	
Vinyl chloride	ug/L	0.39 U	20	19.9	99	68-131	
Xylene (Total)	ug/L	2.1 U	60	56.9	95	70-130	
1,2-Dichlorobenzene-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				96	70-130	
Toluene-d8 (S)	%				97	70-130	

SAMPLE DUPLICATE: 5659055

Parameter	Units	35894664002 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	
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 2nd Semiannual RRF
Pace Project No.: 35894664

SAMPLE DUPLICATE: 5659055

Parameter	Units	35894664002 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	0.35 I	0.38 I		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		40	
1,2-Dichlorobenzene-d4 (S)	%	101	101		40	
4-Bromofluorobenzene (S)	%	97	93		40	
Toluene-d8 (S)	%	99	101		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

QC Batch: 1029740
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

METHOD BLANK: 5658981 Matrix: Water
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	08/02/24 17:31	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	08/02/24 17:31	

LABORATORY CONTROL SAMPLE: 5658982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.29	115	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.25	101	60-140	

MATRIX SPIKE SAMPLE: 5658983

Parameter	Units	35894411007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.25	0.30	116	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.25	0.26	100	60-140	

SAMPLE DUPLICATE: 5658984

Parameter	Units	35894411008 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0066 U	0.0066 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0077 U	0.0077 U		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

QC Batch: 1029824 — Analysis Method: SM 2320B
QC Batch Method: SM 2320B — Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894664001, 35894664002, 35894664003

METHOD BLANK: 5659195 — Matrix: Water
Associated Lab Samples: 35894664001, 35894664002, 35894664003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	5.0 U	5.0	5.0	07/29/24 11:55	

LABORATORY CONTROL SAMPLE: 5659196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	250	227	91	90-110	

SAMPLE DUPLICATE: 5659197

Parameter	Units	35894558002 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	11.2	11.0	2	20	

SAMPLE DUPLICATE: 5659198

Parameter	Units	35894655004 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	218	218	0	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

QC Batch: 1030181
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894664004

METHOD BLANK: 5661011 Matrix: Water
Associated Lab Samples: 35894664004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	5.0 U	5.0	5.0	07/30/24 17:07	

LABORATORY CONTROL SAMPLE: 5661012

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	250	231	92	90-110	

SAMPLE DUPLICATE: 5661013

Parameter	Units	35894830001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	234	231	1	20	

SAMPLE DUPLICATE: 5661014

Parameter	Units	35894885005 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	241	241	0	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

QC Batch: 1030046 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

METHOD BLANK: 5660201 Matrix: Water
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	07/30/24 12:10	

LABORATORY CONTROL SAMPLE: 5660202

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

SAMPLE DUPLICATE: 5660203

Parameter	Units	35894627002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	870	844	3	10	

SAMPLE DUPLICATE: 5660204

Parameter	Units	35894655002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	418	414	1	10	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

QC Batch: 1030108
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894664001

METHOD BLANK: 5660420 Matrix: Water
Associated Lab Samples: 35894664001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	07/30/24 22:34	

LABORATORY CONTROL SAMPLE: 5660421

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: 5662856 5662857

Parameter	Units	35893645006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	121	100	100	237	227	115	105	90-110	4	20	J(M1), L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5662858 5662859

Parameter	Units	35893761001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	18.8	50	50	71.5	71.1	105	105	90-110	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

QC Batch: 1030504
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894664002, 35894664003, 35894664004

METHOD BLANK: 5662540 Matrix: Water
Associated Lab Samples: 35894664002, 35894664003, 35894664004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	08/01/24 00:46	

LABORATORY CONTROL SAMPLE: 5662541

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.4	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5666144 5666145

Parameter	Units	35894664003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	88.1	50	50	144	144	112	112	90-110	0	20	J(M1), L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5666146 5666147

Parameter	Units	35894958001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	30.2	50	50	82.5	82.5	105	105	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

QC Batch: 1030690
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

METHOD BLANK: 5663499 Matrix: Water
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	08/01/24 15:58	

LABORATORY CONTROL SAMPLE: 5663500

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: 5663502 5663501

Parameter	Units	35894410004 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	1.1	103	106	90-110	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5663503 5663504

Parameter	Units	35894532002 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	0.045 I	1	1	1.1	1.1	108	109	90-110	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

QC Batch: 1029619
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

METHOD BLANK: 5658632 Matrix: Water
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.20 U	0.50	0.20	07/31/24 10:57	

LABORATORY CONTROL SAMPLE: 5658633

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	20	18.8	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5658635 5658634

Parameter	Units	35894599005 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	4.2	20	20	23.8	23.7	98	97	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5658637 5658636

Parameter	Units	35894627001 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	8.9	40	40	46.5	46.8	94	95	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

QC Batch: 1029571
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

METHOD BLANK: 5658442 Matrix: Water
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	07/27/24 11:09	
Nitrogen, NO2 plus NO3	mg/L	0.015 U	0.050	0.015	07/27/24 11:09	

LABORATORY CONTROL SAMPLE: 5658443

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: 5658447 5658446

Parameter	Units	35894655004 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	1.8	92	92	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5658449 5658448

Parameter	Units	35894749001 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	2.1	92	103	90-110	11	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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Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

QC Batch: 1029776 | 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: 35894664001, 35894664002, 35894664003, 35894664004

METHOD BLANK: 5659100 Matrix: Water
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5 U	20.0	12.5	07/30/24 09:18	

LABORATORY CONTROL SAMPLE: 5659101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	516	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5659103 5659102

Parameter	Units	35894655005 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	28.6	500	500	540	531	102	100	90-110	2	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

QC Batch: 1029826 | Analysis Method: SM 5310B
QC Batch Method: SM 5310B | Analysis Description: 5310B TOC
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

METHOD BLANK: 5659210 Matrix: Water
Associated Lab Samples: 35894664001, 35894664002, 35894664003, 35894664004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	07/29/24 21:15	

LABORATORY CONTROL SAMPLE: 5659211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	20	19.6	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5659212 5659213

Parameter	Units	35894615002 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	20.4	20	20	38.7	39.4	92	95	80-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5659214 5659215

Parameter	Units	35894664001 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	9.5	20	20	28.2	28.5	94	95	80-120	1	20	

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Pompano Beach, FL 33064
(954)582-4300

QUALIFIERS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

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

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Pompano Beach, FL 33064
(954)582-4300

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35894664001	**RR19(60)**				
35894664002	**RR19(60) Duplicate**				
35894664003	**RR19(20)**				
35894664001	**RR19(60)**	EPA 8011	1029740	EPA 8011	1029905
35894664002	**RR19(60) Duplicate**	EPA 8011	1029740	EPA 8011	1029905
35894664003	**RR19(20)**	EPA 8011	1029740	EPA 8011	1029905
35894664004	**EQ BLANK 0726242**	EPA 8011	1029740	EPA 8011	1029905
35894664001	**RR19(60)**	EPA 3010	1030349	EPA 6010	1030442
35894664002	**RR19(60) Duplicate**	EPA 3010	1030349	EPA 6010	1030442
35894664003	**RR19(20)**	EPA 3010	1030349	EPA 6010	1030442
35894664004	**EQ BLANK 0726242**	EPA 3010	1030349	EPA 6010	1030442
35894664001	**RR19(60)**	EPA 3010	1030348	EPA 6020	1030443
35894664002	**RR19(60) Duplicate**	EPA 3010	1030348	EPA 6020	1030443
35894664003	**RR19(20)**	EPA 3010	1030348	EPA 6020	1030443
35894664004	**EQ BLANK 0726242**	EPA 3010	1030348	EPA 6020	1030443
35894664001	**RR19(60)**	EPA 7470	1030667	EPA 7470	1030700
35894664002	**RR19(60) Duplicate**	EPA 7470	1030667	EPA 7470	1030700
35894664003	**RR19(20)**	EPA 7470	1030667	EPA 7470	1030700
35894664004	**EQ BLANK 0726242**	EPA 7470	1030667	EPA 7470	1030700
35894664001	**RR19(60)**	EPA 8260	1029708		
35894664002	**RR19(60) Duplicate**	EPA 8260	1029766		
35894664003	**RR19(20)**	EPA 8260	1029766		
35894664004	**EQ BLANK 0726242**	EPA 8260	1029766		
35894664001	**RR19(60)**	SM 2320B	1029824		
35894664002	**RR19(60) Duplicate**	SM 2320B	1029824		
35894664003	**RR19(20)**	SM 2320B	1029824		
35894664004	**EQ BLANK 0726242**	SM 2320B	1030181		
35894664001	**RR19(60)**	SM 2540C	1030046		
35894664002	**RR19(60) Duplicate**	SM 2540C	1030046		
35894664003	**RR19(20)**	SM 2540C	1030046		
35894664004	**EQ BLANK 0726242**	SM 2540C	1030046		
35894664001	**RR19(60)**	TKN-NH3 Calculation	1031543		
35894664002	**RR19(60) Duplicate**	TKN-NH3 Calculation	1031543		
35894664003	**RR19(20)**	TKN-NH3 Calculation	1031543		
35894664004	**EQ BLANK 0726242**	TKN-NH3 Calculation	1031543		
35894664001	**RR19(60)**	EPA 300.0	1030108		
35894664002	**RR19(60) Duplicate**	EPA 300.0	1030504		
35894664003	**RR19(20)**	EPA 300.0	1030504		
35894664004	**EQ BLANK 0726242**	EPA 300.0	1030504		
35894664001	**RR19(60)**	EPA 350.1	1030690		
35894664002	**RR19(60) Duplicate**	EPA 350.1	1030690		
35894664003	**RR19(20)**	EPA 350.1	1030690		

REPORT OF LABORATORY ANALYSIS

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Pompano Beach, FL 33064
(954)582-4300

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894664

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35894664004	**EQ BLANK 0726242**	EPA 350.1	1030690		
35894664001	**RR19(60)**	EPA 351.2	1029619	EPA 351.2	1030358
35894664002	**RR19(60) Duplicate**	EPA 351.2	1029619	EPA 351.2	1030358
35894664003	**RR19(20)**	EPA 351.2	1029619	EPA 351.2	1030358
35894664004	**EQ BLANK 0726242**	EPA 351.2	1029619	EPA 351.2	1030358
35894664001	**RR19(60)**	EPA 353.2	1029571		
35894664002	**RR19(60) Duplicate**	EPA 353.2	1029571		
35894664003	**RR19(20)**	EPA 353.2	1029571		
35894664004	**EQ BLANK 0726242**	EPA 353.2	1029571		
35894664001	**RR19(60)**	EPA 410.4	1029776	EPA 410.4	1030802
35894664002	**RR19(60) Duplicate**	EPA 410.4	1029776	EPA 410.4	1030802
35894664003	**RR19(20)**	EPA 410.4	1029776	EPA 410.4	1030802
35894664004	**EQ BLANK 0726242**	EPA 410.4	1029776	EPA 410.4	1030802
35894664001	**RR19(60)**	SM 5310B	1029826		
35894664002	**RR19(60) Duplicate**	SM 5310B	1029826		
35894664003	**RR19(20)**	SM 5310B	1029826		
35894664004	**EQ BLANK 0726242**	SM 5310B	1029826		

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

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY - Affix Workorder label here

WO# : 35894664

35894664

Company Name:	Miami-Dade Department of Solid Waste Management
Street Address:	2525 NW 62, Miami, FL 33147
Customer Project #:	
Project Name:	FDEP 2nd Semiannual RRF
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
Contact/Report To:	Mario Porcelli
Phone #:	(305)592-1187
E-Mail:	mario.porcelli@miamidade.gov
Cc E-Mail:	
Invoice To:	Mario Porcelli
Invoice E-Mail:	mario.porcelli@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 _____
DW PWSID # or WW Permit # as applicable:	
Date Results Requested:	
Field Filtered (if applicable):	[ ] Yes [ ] No
Analysis:	

Specify Container Size **: | | | | | | | | | | |

Identify Container Preservative Type***: 4 | 8 | 4 | 1 | 2 | 3 | 1 | | | | |

**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) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) 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 Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	5310B TOC	8011 GCS EDB and DBCP	8260 MSV	Alkalinity, TDS	Metals 6010/6020/7470	NH3 TKN TON COD	NO2, NO3, CL
RR19(60)					7/26/24	1305	11			X	X	X	X	X	X	X
RR19(60)(DUP)						1305	11			X	X	X	X	X	X	X
RR19(20)						1346	11			X	X	X	X	X	X	X
EQ Blank						1405	11			X	X	X	X	X	X	X

Lab Use Only

Proj. Mgr: Rossy Guima

AcctNum / Client ID:

Table #:

Profile / Template: 3549

Prelog / Bottle Ord. ID: EZ 3128787

Sample Comment

Preservation non-conformance identified for sample:

Additional Instructions from Pace®:

Collected By: (Printed Name) Terrence Mond

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
			4.5	4.6	Y

Relinquished by/Company: (Signature)	Date/Time: 7/26/24 1459	Received by/Company: (Signature)	Date/Time: 7/26/24 1459	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time: 7/26/24 1830	Received by/Company: (Signature)	Date/Time: 7.26.24 2225	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: of
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: RRF	SITE LOCATION: 6990 NW 97th Ave, Doral, FL 33178	
WELL NO: RR19(60)	SAMPLE ID: RR19(60)	DATE: 7/26/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.42	PURGE PUMP TYPE OR BAILER: ESP

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

= (60.0 feet – 7.42 feet) X 0.16 gallons/foot = 8.4128 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.5	PURGING INITIATED AT: 1230	PURGING ENDED AT: 1304	TOTAL VOLUME PURGED (gallons): 13.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1252	8.8	8.8	0.40	7.43	7.30	28.7	682	0.04/0.5%	0.71	clear	mild
1258	2.4	11.2	"	"	7.28	28.8	687	0.02/0.3%	0.46	"	"
1304	2.4	13.6	"	"	7.26	28.7	691	0.02/0.2%	0.19	"	"

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: Terrence Mord / Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1305	SAMPLING ENDED AT: 1318
PUMP OR TUBING DEPTH IN WELL (feet): 9.5	TUBING MATERIAL CODE: ~~HDPE~~/S HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
RR19(60)	6	CG	40mL	HCL	0	<2	8260 MSV	ESP	300
"	4	CG	40mL	HCL	"	<2	5310B TOC	"	"
"	4	CG	40mL	~~H2SO4~~ Na2S2O3	"	<2	8011 GCS EDB and DBCP	"	"
"	2	PE	500mL	COOL	"	7.26	Alkalinity, TDS	"	"
"	2	PE	250mL	H2SO4	"	<2	NH3 TKN TON COD	"	"
"	2	PE	250mL	HNO3	"	<2	Metals 6010/6020/7470	"	"
REMARKS:	2	PE	250mL	COOL	"	7.26	NO2, NO3, CL	"	"

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: RRF	SITE LOCATION: 6990 NW 97th Ave, Doral, FL 33178	
WELL NO: RR19(20)	SAMPLE ID: RR19(20)	DATE: 7/26/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.34	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 feet – 7.34 feet) X 0.16 gallons/foot = 2.0256 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.5	PURGING INITIATED AT: 1328	PURGING ENDED AT: 1345	TOTAL VOLUME PURGED (gallons): 3.4

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1339	2.2	2.2	0.20	7.34	7.10	31.0	700	0.02/0.2%	0.07	Clear	mild
1342	0.6	2.8	"	"	7.09	30.9	703	0.01/0.2%	0.04	"	"
1345	0.6	3.4	"	"	7.09	30.8	703	0.01/0.2%	0.02	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Terrence Mond / Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1346	SAMPLING ENDED AT: ~~1359~~ 1352
PUMP OR TUBING DEPTH IN WELL (feet): 9.5	TUBING MATERIAL CODE: HDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
RR19(20)	3	CG	40mL	HCL	0	<2	8260 MSV	APP	300
	2	CG	40mL	HCL		<2	53103 TOC		
	2	CG	40mL	Na2S2O3		<2	8011 GCB EDB DBCP		
	1	PE	500mL	Cool		7.09	Alkalinity, TDS		
	1	PE	250mL	H2SO4		<2	NH3 TKN TON COD		
	1	PE	250mL	HNO3		<2	Metals 6010/6020/7470		
REMARKS:	1	PE	250mL	Cool		7.09	NO3, NO2, CL		

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: RRF	SITE LOCATION: 6990 NW 97th Ave, Doral, FL 33178	
WELL NO: EQ Blank	SAMPLE ID: EQ Blank	DATE: 7/26/24

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:
N/A	1/4		N/A	PP

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

= (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)

= 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):
1.0	1.0	N/A	N/A	N/A

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)

EQ 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:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Terrence Mond / pace		1405	1411

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
1.0	HDPE/S		

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)
EQ Blank	3	CG	40mL	HCL	0	<2	8260 MSV	APP	300
	2	CG	40mL	HCL		<2	5310B TOC		
	2	CG	40mL	NG2S2O3		<2	8011 GCS EDB and DBCP		
	1	PE	500mL	COOL		N/A	Alkalinity, TDS		
	1	PE	250mL	H2SO4		<2	NH3 TKN TON COD		
	1	PE	250mL	HNO3		<2	Metals 6010C 6020/7470		
REMARKS:	1	PE	250mL	COOL		N/A	NO2, NO3, CL		

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

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

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

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

Pace

WO#: 35894664

PM: RYG **Due Date: 08/12/24**

CLIENT: 36-MDSWM

Project #

Project Manager:

Client:

Date and Initials of person:

Examining contents: _____

Verifying pH: _____

Thermometer Used: T-398 Date: 07/26/2024 Time: 1544 Initials: KO

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

Cooler #1 Temp.°C 1.4 **(Visual)** -0.2 **(Correction Factor)** 1.2 **(Actual)** ☐Samples on ice, cooling process has begun.

Cooler #2 Temp.°C _____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐Samples on ice, cooling process has begun.

Cooler #3 Temp.°C _____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐Samples on ice, cooling process has begun.

Cooler #4 Temp.°C _____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐Samples on ice, cooling process has begun.

Cooler #5 Temp.°C _____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐Samples on ice, cooling process has begun.

Cooler #6 Temp.°C _____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐Samples on ice, cooling process has begun.

Recheck for OOT °C _____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** **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:** _____
All containers needing preservation are found to be in compliance with EPA recommendation. Exceptions: Vials, Microbiology, O&G, PFAS	☐Yes	☐No	☑N/A	**Lot / Trace:** _____ **Time:** _____ **Amount added (mL):** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☐No	☑N/A	
Trip Blank Present:	☐Yes	☐No	☑N/A	

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

Labeled by: _____ **Reviewed by:** _____ **Delivered by:** _____

Pace

WO#: 35894664

PM: RYG Due Date: 08/12/24
CLIENT: 36-MDSWM

Project #
Project Manager:
Client:

Date and Initials of person: 7.26.24
Examining contents: RJ
Verifying pH: RJ

Thermometer Used: T-414 Date: 7.26.24 Time: 22:59 Initials: [signature]

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)	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	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**
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑Yes	☐No	☐N/A	**Preservative:** _____ **Date:** _____ **Lot / Trace:** _____ **Time:** _____ **Amount added (mL):** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☑No	☐N/A	
Trip Blank Present:	☐Yes	☐No	☑N/A	

Comments / Resolutions (use back for additional comments):

Labeled by: RJ **Reviewed by:** [signature] **Delivered by:** [signature]

Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

August 07, 2024

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

RE: Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on July 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
Arelys Roman, Miami-Dade Department of Solid Waste Management

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Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

CERTIFICATIONS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

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
Nevada Certification: FL NELAC Reciprocity
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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3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

SAMPLE SUMMARY

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35894885001	**RR5(60)**	Water	07/29/24 07:48	07/29/24 13:57
35894885002	**RR5(60) Duplicate**	Water	07/29/24 07:48	07/29/24 13:57
35894885003	**RR5(20)**	Water	07/29/24 08:29	07/29/24 13:57
35894885004	**RR4(60)**	Water	07/29/24 09:24	07/29/24 13:57
35894885005	**RR4(20)**	Water	07/29/24 10:02	07/29/24 13:57
35894885006	**RE10(60)**	Water	07/29/24 11:04	07/29/24 13:57
35894885007	**RE10(30)**	Water	07/29/24 11:49	07/29/24 13:57
35894885008	**RE10(15)**	Water	07/29/24 12:21	07/29/24 13:57
35894885009	**EQ Blank 072924**	Water	07/29/24 12:34	07/29/24 13:57

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3610 Park Central Blvd N
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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35894885001	**RR5(60)**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35894885002	**RR5(60) Duplicate**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35894885003	**RR5(20)**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O

REPORT OF LABORATORY ANALYSIS

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3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35894885004	**RR4(60)**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35894885005	**RR4(20)**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35894885006	**RE10(60)**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O

REPORT OF LABORATORY ANALYSIS

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3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	CLT	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35894885007	**RE10(30)**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35894885008	**RE10(15)**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 5310B	JH	1	PASI-O
35894885009	**EQ Blank 072924**	EPA 8011	SCL	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	CLL	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RR5(60) **Lab ID: 35894885001** Collected: 07/29/24 07:48 Received: 07/29/24 13:57 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		07/29/24 07:48		
Field Temperature	**28.0**	deg C			1		07/29/24 07:48		
Field Specific Conductance	**2912**	umhos/cm			1		07/29/24 07:48		
Oxygen, Dissolved	**0.04**	mg/L			1		07/29/24 07:48	7782-44-7	
Turbidity	**0.74**	NTU			1		07/29/24 07:48		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	07/31/24 02:33	08/02/24 13:39	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	07/31/24 02:33	08/02/24 13:39	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**126**	ug/L	10.0	0.84	1	08/02/24 02:35	08/02/24 15:54	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	08/02/24 02:35	08/02/24 15:54	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	08/02/24 02:35	08/02/24 15:54	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	08/02/24 02:35	08/02/24 15:54	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	08/02/24 02:35	08/02/24 15:54	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	08/02/24 02:35	08/02/24 15:54	7440-50-8	
Iron	**267**	ug/L	40.0	25.0	1	08/02/24 02:35	08/02/24 15:54	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	08/02/24 02:35	08/02/24 15:54	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 15:54	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	08/02/24 02:35	08/02/24 15:54	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 15:54	7440-22-4	
Sodium	**340**	mg/L	4.0	1.1	2	08/02/24 02:35	08/06/24 11:05	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	08/02/24 02:35	08/02/24 15:54	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	08/02/24 02:35	08/02/24 15:54	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	08/02/24 02:35	08/05/24 15:32	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	08/02/24 02:35	08/05/24 15:32	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	08/02/24 02:35	08/05/24 15:32	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	08/01/24 08:31	08/01/24 13:04	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		07/30/24 06:08	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/30/24 06:08	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 06:08	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/30/24 06:08	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RR5(60) **Lab ID: 35894885001** Collected: 07/29/24 07:48 Received: 07/29/24 13:57 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		07/30/24 06:08	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/30/24 06:08	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/30/24 06:08	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/30/24 06:08	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/30/24 06:08	75-15-0	J(v1),L3
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/30/24 06:08	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/30/24 06:08	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/30/24 06:08	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/30/24 06:08	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/30/24 06:08	74-87-3	J(v2)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/30/24 06:08	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/30/24 06:08	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/30/24 06:08	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/30/24 06:08	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/30/24 06:08	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/30/24 06:08	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/30/24 06:08	75-35-4	J(v1)
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/30/24 06:08	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/30/24 06:08	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/30/24 06:08	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/30/24 06:08	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/30/24 06:08	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 06:08	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/30/24 06:08	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/30/24 06:08	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/30/24 06:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/30/24 06:08	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/30/24 06:08	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/30/24 06:08	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/30/24 06:08	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/30/24 06:08	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/30/24 06:08	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 06:08	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 06:08	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/30/24 06:08	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/30/24 06:08	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/30/24 06:08	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/30/24 06:08	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/30/24 06:08	75-01-4	J(v2)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/30/24 06:08	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/30/24 06:08	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/30/24 06:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		07/30/24 06:08	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		07/30/24 06:08	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RR5(60) **Lab ID: 35894885001** Collected: 07/29/24 07:48 Received: 07/29/24 13:57 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)	105	%	70-130		1		07/30/24 06:08	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**197**	mg/L	5.0	5.0	1		07/30/24 18:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**1950**	mg/L	20.0	20.0	1		07/30/24 12:10		
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		08/05/24 16:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**821**	mg/L	100	50.0	20		08/01/24 03:19	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**2.7**	mg/L	0.050	0.035	1		08/01/24 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	**2.4**	mg/L	0.50	0.20	1	07/31/24 14:37	08/01/24 12:34	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, NO2 plus NO3	**0.26**	mg/L	0.050	0.015	1		07/30/24 08:47		
Nitrogen, Nitrate	**0.26**	mg/L	0.050	0.025	1		07/30/24 08:47	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**58.5**	mg/L	20.0	12.5	1	07/30/24 13:13	07/31/24 08:32		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**9.3**	mg/L	1.0	0.50	1		07/30/24 23:56	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RR5(60) Duplicate **Lab ID: 35894885002** Collected: 07/29/24 07:48 Received: 07/29/24 13:57 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		07/29/24 07:48		
Field Temperature	**28.0**	deg C			1		07/29/24 07:48		
Field Specific Conductance	**2912**	umhos/cm			1		07/29/24 07:48		
Oxygen, Dissolved	**0.04**	mg/L			1		07/29/24 07:48	7782-44-7	
Turbidity	**0.74**	NTU			1		07/29/24 07:48		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	07/31/24 02:33	08/02/24 13:52	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	07/31/24 02:33	08/02/24 13:52	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**128**	ug/L	10.0	0.84	1	08/02/24 02:35	08/02/24 15:58	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	08/02/24 02:35	08/02/24 15:58	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	08/02/24 02:35	08/02/24 15:58	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	08/02/24 02:35	08/02/24 15:58	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	08/02/24 02:35	08/02/24 15:58	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	08/02/24 02:35	08/02/24 15:58	7440-50-8	
Iron	**339**	ug/L	40.0	25.0	1	08/02/24 02:35	08/02/24 15:58	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	08/02/24 02:35	08/02/24 15:58	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 15:58	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	08/02/24 02:35	08/02/24 15:58	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 15:58	7440-22-4	
Sodium	**354**	mg/L	4.0	1.1	2	08/02/24 02:35	08/06/24 11:09	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	08/02/24 02:35	08/02/24 15:58	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	08/02/24 02:35	08/02/24 15:58	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	08/02/24 02:35	08/05/24 15:36	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	08/02/24 02:35	08/05/24 15:36	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	08/02/24 02:35	08/05/24 15:36	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	08/01/24 08:31	08/01/24 13:06	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		07/30/24 06:31	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/30/24 06:31	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 06:31	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/30/24 06:31	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RR5(60) Duplicate **Lab ID: 35894885002** Collected: 07/29/24 07:48 Received: 07/29/24 13:57 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		07/30/24 06:31	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/30/24 06:31	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/30/24 06:31	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/30/24 06:31	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/30/24 06:31	75-15-0	J(v1),L3
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/30/24 06:31	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/30/24 06:31	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/30/24 06:31	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/30/24 06:31	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/30/24 06:31	74-87-3	J(v2)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/30/24 06:31	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/30/24 06:31	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/30/24 06:31	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/30/24 06:31	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/30/24 06:31	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/30/24 06:31	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/30/24 06:31	75-35-4	J(v1)
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/30/24 06:31	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/30/24 06:31	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/30/24 06:31	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/30/24 06:31	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/30/24 06:31	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 06:31	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/30/24 06:31	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/30/24 06:31	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/30/24 06:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/30/24 06:31	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/30/24 06:31	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/30/24 06:31	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/30/24 06:31	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/30/24 06:31	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/30/24 06:31	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 06:31	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 06:31	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/30/24 06:31	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/30/24 06:31	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/30/24 06:31	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/30/24 06:31	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/30/24 06:31	75-01-4	J(v2)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/30/24 06:31	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/30/24 06:31	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/30/24 06:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/30/24 06:31	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		07/30/24 06:31	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RR5(60) Duplicate **Lab ID: 35894885002** Collected: 07/29/24 07:48 Received: 07/29/24 13:57 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		07/30/24 06:31	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		07/30/24 18:57		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**1930**	mg/L	20.0	20.0	1		07/30/24 12:10		
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		08/05/24 16:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**841**	mg/L	100	50.0	20		08/01/24 03:41	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**3.2**	mg/L	0.050	0.035	1		08/01/24 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	**2.8**	mg/L	0.50	0.20	1	07/31/24 14:37	08/01/24 12:35	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, NO2 plus NO3	**0.21**	mg/L	0.050	0.015	1		07/30/24 08:45		
Nitrogen, Nitrate	**0.21**	mg/L	0.050	0.025	1		07/30/24 08:45	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	07/30/24 13:13	07/31/24 08:32		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**9.5**	mg/L	1.0	0.50	1		07/31/24 00:07	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RR5(20) **Lab ID: 35894885003** Collected: 07/29/24 08:29 Received: 07/29/24 13:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.95**	Std. Units			1		07/29/24 08:29		
Field Temperature	**28.9**	deg C			1		07/29/24 08:29		
Field Specific Conductance	**2020**	umhos/cm			1		07/29/24 08:29		
Oxygen, Dissolved	**0.03**	mg/L			1		07/29/24 08:29	7782-44-7	
Turbidity	**0.43.**	NTU			1		07/29/24 08:29		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	07/31/24 02:33	08/02/24 14:52	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	07/31/24 02:33	08/02/24 14:52	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**102**	ug/L	10.0	0.84	1	07/31/24 08:15	07/31/24 17:09	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 17:09	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 17:09	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 17:09	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 17:09	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 17:09	7440-50-8	
Iron	**37.6 I**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 17:09	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 17:09	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 17:09	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 17:09	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 17:09	7440-22-4	
Sodium	**210**	mg/L	4.0	1.1	2	07/31/24 08:15	08/01/24 15:16	7440-23-5	
Vanadium	**1.0 I**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 17:09	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 17:09	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	07/31/24 08:15	07/31/24 13:55	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 13:55	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 13:55	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	08/01/24 08:31	08/01/24 13:09	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		07/30/24 06:54	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/30/24 06:54	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 06:54	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/30/24 06:54	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RR5(20) **Lab ID: 35894885003** Collected: 07/29/24 08:29 Received: 07/29/24 13:57 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		07/30/24 06:54	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/30/24 06:54	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/30/24 06:54	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/30/24 06:54	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/30/24 06:54	75-15-0	J(v1),L3
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/30/24 06:54	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/30/24 06:54	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/30/24 06:54	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/30/24 06:54	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/30/24 06:54	74-87-3	J(v2)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/30/24 06:54	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/30/24 06:54	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/30/24 06:54	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/30/24 06:54	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/30/24 06:54	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/30/24 06:54	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/30/24 06:54	75-35-4	J(v1)
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/30/24 06:54	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/30/24 06:54	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/30/24 06:54	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/30/24 06:54	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/30/24 06:54	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 06:54	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/30/24 06:54	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/30/24 06:54	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/30/24 06:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/30/24 06:54	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/30/24 06:54	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/30/24 06:54	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/30/24 06:54	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/30/24 06:54	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/30/24 06:54	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 06:54	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 06:54	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/30/24 06:54	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/30/24 06:54	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/30/24 06:54	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/30/24 06:54	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/30/24 06:54	75-01-4	J(v2)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/30/24 06:54	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/30/24 06:54	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/30/24 06:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		07/30/24 06:54	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		07/30/24 06:54	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RR5(20) **Lab ID: 35894885003** Collected: 07/29/24 08:29 Received: 07/29/24 13:57 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)	105	%	70-130		1		07/30/24 06:54	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		07/30/24 19:08		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**1250**	mg/L	20.0	20.0	1		07/30/24 12:10		
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		08/05/24 16:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**492**	mg/L	50.0	25.0	10		08/01/24 04:02	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**2.9**	mg/L	0.050	0.035	1		08/01/24 18:29	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	**2.5**	mg/L	0.50	0.20	1	07/31/24 14:37	08/01/24 12:38	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		07/30/24 08:48		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/30/24 08:48	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**51.0**	mg/L	20.0	12.5	1	07/30/24 13:13	07/31/24 08:32		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**9.7**	mg/L	1.0	0.50	1		07/31/24 00:19	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RR4(60) **Lab ID: 35894885004** Collected: 07/29/24 09:24 Received: 07/29/24 13:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.05**	Std. Units			1		07/29/24 09:24		
Field Temperature	**28.3**	deg C			1		07/29/24 09:24		
Field Specific Conductance	**1351**	umhos/cm			1		07/29/24 09:24		
Oxygen, Dissolved	**0.03**	mg/L			1		07/29/24 09:24	7782-44-7	
Turbidity	**0.07**	NTU			1		07/29/24 09:24		
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	07/31/24 02:33	08/02/24 15:05	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	07/31/24 02:33	08/02/24 15:05	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**65.1**	ug/L	10.0	0.84	1	07/31/24 08:15	07/31/24 17:13	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 17:13	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 17:13	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 17:13	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 17:13	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 17:13	7440-50-8	
Iron	**545**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 17:13	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 17:13	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 17:13	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 17:13	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 17:13	7440-22-4	
Sodium	**146**	mg/L	2.0	0.54	1	07/31/24 08:15	07/31/24 17:13	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 17:13	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 17:13	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	07/31/24 08:15	07/31/24 13:57	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 13:57	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 13:57	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	08/01/24 08:31	08/01/24 13:11	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		07/30/24 13:01	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/30/24 13:01	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 13:01	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/30/24 13:01	74-97-5	

REPORT OF LABORATORY ANALYSIS

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3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RR4(60) **Lab ID: 35894885004** Collected: 07/29/24 09:24 Received: 07/29/24 13:57 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		07/30/24 13:01	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/30/24 13:01	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/30/24 13:01	74-83-9	
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/30/24 13:01	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/30/24 13:01	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/30/24 13:01	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/30/24 13:01	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/30/24 13:01	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/30/24 13:01	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/30/24 13:01	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/30/24 13:01	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/30/24 13:01	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/30/24 13:01	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/30/24 13:01	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/30/24 13:01	110-57-6	J(v1)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/30/24 13:01	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/30/24 13:01	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/30/24 13:01	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/30/24 13:01	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/30/24 13:01	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/30/24 13:01	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/30/24 13:01	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 13:01	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/30/24 13:01	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/30/24 13:01	74-88-4	
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/30/24 13:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/30/24 13:01	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/30/24 13:01	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/30/24 13:01	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/30/24 13:01	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/30/24 13:01	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/30/24 13:01	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 13:01	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 13:01	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/30/24 13:01	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/30/24 13:01	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/30/24 13:01	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/30/24 13:01	108-05-4	J(v2)
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/30/24 13:01	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/30/24 13:01	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/30/24 13:01	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/30/24 13:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		07/30/24 13:01	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		07/30/24 13:01	2037-26-5	

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(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RR4(60) **Lab ID: 35894885004** Collected: 07/29/24 09:24 Received: 07/29/24 13:57 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		07/30/24 13:01	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		07/30/24 19:48		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**948**	mg/L	10.0	10.0	1		07/30/24 12:10		
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		08/05/24 16:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**385**	mg/L	50.0	25.0	10		08/01/24 04:24	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		08/01/24 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	**1.7**	mg/L	0.50	0.20	1	07/31/24 14:37	08/01/24 12:39	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		07/30/24 08:49		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/30/24 08:49	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**47.6**	mg/L	20.0	12.5	1	07/30/24 13:13	07/31/24 08:32		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**9.7**	mg/L	1.0	0.50	1		07/31/24 00:33	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RR4(20) **Lab ID: 35894885005** Collected: 07/29/24 10:02 Received: 07/29/24 13:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.89**	Std. Units			1		07/29/24 10:02		
Field Temperature	**29.8**	deg C			1		07/29/24 10:02		
Field Specific Conductance	**1251**	umhos/cm			1		07/29/24 10:02		
Oxygen, Dissolved	**0.06**	mg/L			1		07/29/24 10:02	7782-44-7	
Turbidity	**0.16**	NTU			1		07/29/24 10:02		
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	07/31/24 02:33	08/02/24 15:17	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	07/31/24 02:33	08/02/24 15:17	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**70.5**	ug/L	10.0	0.84	1	07/31/24 08:15	07/31/24 17:16	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 17:16	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 17:16	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 17:16	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 17:16	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 17:16	7440-50-8	
Iron	**27.8 I**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 17:16	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 17:16	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 17:16	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 17:16	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 17:16	7440-22-4	
Sodium	**100**	mg/L	2.0	0.54	1	07/31/24 08:15	07/31/24 17:16	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 17:16	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 17:16	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	07/31/24 08:15	07/31/24 14:02	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 14:02	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 14:02	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	08/01/24 08:31	08/01/24 13:13	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**17.0 I**	ug/L	25.0	8.7	1		07/31/24 06:10	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/31/24 06:10	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 06:10	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 06:10	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RR4(20) **Lab ID: 35894885005** Collected: 07/29/24 10:02 Received: 07/29/24 13:57 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		07/31/24 06:10	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/31/24 06:10	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/31/24 06:10	74-83-9	
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/31/24 06:10	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 06:10	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/31/24 06:10	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/31/24 06:10	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/31/24 06:10	75-00-3	J(v1)
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/31/24 06:10	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/31/24 06:10	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/31/24 06:10	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/31/24 06:10	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/31/24 06:10	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/31/24 06:10	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/31/24 06:10	110-57-6	J(v1),L3
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/31/24 06:10	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 06:10	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/31/24 06:10	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 06:10	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 06:10	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/31/24 06:10	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 06:10	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 06:10	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/31/24 06:10	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/31/24 06:10	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/31/24 06:10	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/31/24 06:10	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/31/24 06:10	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/31/24 06:10	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 06:10	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/31/24 06:10	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/31/24 06:10	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 06:10	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 06:10	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/31/24 06:10	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/31/24 06:10	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/31/24 06:10	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 06:10	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/31/24 06:10	75-01-4	J(v1)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/31/24 06:10	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/31/24 06:10	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/31/24 06:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/31/24 06:10	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		07/31/24 06:10	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RR4(20) **Lab ID: 35894885005** Collected: 07/29/24 10:02 Received: 07/29/24 13:57 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		07/31/24 06:10	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		07/30/24 20:01		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**728**	mg/L	10.0	10.0	1		08/01/24 12:39		
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		08/05/24 16:29		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**231**	mg/L	25.0	12.5	5		08/01/24 04:46	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**1.9**	mg/L	0.050	0.035	1		08/01/24 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	**1.8**	mg/L	0.50	0.20	1	07/31/24 14:37	08/01/24 14:05	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		07/30/24 08:50		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/30/24 08:50	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**33.8**	mg/L	20.0	12.5	1	07/30/24 13:13	07/31/24 08:32		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**8.7**	mg/L	1.0	0.50	1		07/31/24 00:47	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RE10(60) **Lab ID: 35894885006** Collected: 07/29/24 11:04 Received: 07/29/24 13:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.08**	Std. Units			1		07/29/24 11:04		
Field Temperature	**27.4**	deg C			1		07/29/24 11:04		
Field Specific Conductance	**619**	umhos/cm			1		07/29/24 11:04		
Oxygen, Dissolved	**0.03**	mg/L			1		07/29/24 11:04	7782-44-7	
Turbidity	**0.02**	NTU			1		07/29/24 11:04		
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	07/31/24 02:33	08/02/24 15:29	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	07/31/24 02:33	08/02/24 15:29	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	07/31/24 08:15	07/31/24 17:27	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 17:27	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 17:27	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 17:27	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 17:27	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 17:27	7440-50-8	
Iron	**766**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 17:27	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 17:27	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 17:27	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 17:27	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 17:27	7440-22-4	
Sodium	**45.8**	mg/L	2.0	0.54	1	07/31/24 08:15	07/31/24 17:27	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 17:27	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 17:27	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	07/31/24 08:15	07/31/24 14:04	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 14:04	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 14:04	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	08/01/24 08:31	08/01/24 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		07/30/24 14:31	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/30/24 14:31	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 14:31	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/30/24 14:31	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RE10(60) **Lab ID: 35894885006** Collected: 07/29/24 11:04 Received: 07/29/24 13:57 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		07/30/24 14:31	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/30/24 14:31	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/30/24 14:31	74-83-9	
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/30/24 14:31	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/30/24 14:31	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/30/24 14:31	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/30/24 14:31	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/30/24 14:31	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/30/24 14:31	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/30/24 14:31	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/30/24 14:31	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/30/24 14:31	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/30/24 14:31	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/30/24 14:31	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/30/24 14:31	110-57-6	J(v1)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/30/24 14:31	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/30/24 14:31	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/30/24 14:31	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/30/24 14:31	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/30/24 14:31	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/30/24 14:31	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/30/24 14:31	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 14:31	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/30/24 14:31	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/30/24 14:31	74-88-4	
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/30/24 14:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/30/24 14:31	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/30/24 14:31	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/30/24 14:31	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/30/24 14:31	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/30/24 14:31	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/30/24 14:31	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 14:31	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 14:31	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/30/24 14:31	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/30/24 14:31	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/30/24 14:31	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/30/24 14:31	108-05-4	J(v2)
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/30/24 14:31	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/30/24 14:31	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/30/24 14:31	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/30/24 14:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		07/30/24 14:31	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		07/30/24 14:31	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RE10(60) **Lab ID: 35894885006** Collected: 07/29/24 11:04 Received: 07/29/24 13:57 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		07/30/24 14:31	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		07/30/24 20:26		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**376**	mg/L	5.0	5.0	1		08/01/24 12:39		
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		08/05/24 16:29		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**84.2**	mg/L	5.0	2.5	1		08/01/24 05:08	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		08/01/24 16:52	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	07/31/24 14:37	08/01/24 14:11	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		07/30/24 08:54		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/30/24 08:54	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**36.1**	mg/L	20.0	12.5	1	07/30/24 13:13	07/31/24 08:32		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**9.6**	mg/L	1.0	0.50	1		07/31/24 01:01	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RE10(30) **Lab ID: 35894885007** Collected: 07/29/24 11:49 Received: 07/29/24 13:57 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.08**	Std. Units			1		07/29/24 11:49		
Field Temperature	**28.0**	deg C			1		07/29/24 11:49		
Field Specific Conductance	**729**	umhos/cm			1		07/29/24 11:49		
Oxygen, Dissolved	**0.02**	mg/L			1		07/29/24 11:49	7782-44-7	
Turbidity	**0.10**	NTU			1		07/29/24 11:49		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0066 U**	ug/L	0.020	0.0066	1	07/31/24 02:33	08/02/24 15:41	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	07/31/24 02:33	08/02/24 15:41	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**26.6**	ug/L	10.0	0.84	1	07/31/24 08:15	07/31/24 17:31	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 17:31	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 17:31	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 17:31	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 17:31	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 17:31	7440-50-8	
Iron	**390**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 17:31	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 17:31	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 17:31	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 17:31	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 17:31	7440-22-4	
Sodium	**52.4**	mg/L	2.0	0.54	1	07/31/24 08:15	07/31/24 17:31	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 17:31	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 17:31	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	07/31/24 08:15	07/31/24 14:06	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 14:06	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 14:06	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	08/01/24 08:31	08/01/24 13:22	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		07/30/24 14:53	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/30/24 14:53	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 14:53	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/30/24 14:53	74-97-5	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RE10(30) **Lab ID: 35894885007** Collected: 07/29/24 11:49 Received: 07/29/24 13:57 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		07/30/24 14:53	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/30/24 14:53	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/30/24 14:53	74-83-9	
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/30/24 14:53	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/30/24 14:53	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/30/24 14:53	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/30/24 14:53	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/30/24 14:53	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/30/24 14:53	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/30/24 14:53	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/30/24 14:53	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/30/24 14:53	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/30/24 14:53	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/30/24 14:53	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/30/24 14:53	110-57-6	J(v1)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/30/24 14:53	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/30/24 14:53	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/30/24 14:53	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/30/24 14:53	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/30/24 14:53	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/30/24 14:53	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/30/24 14:53	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 14:53	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/30/24 14:53	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/30/24 14:53	74-88-4	
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/30/24 14:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/30/24 14:53	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/30/24 14:53	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/30/24 14:53	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/30/24 14:53	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/30/24 14:53	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/30/24 14:53	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 14:53	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 14:53	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/30/24 14:53	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/30/24 14:53	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/30/24 14:53	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/30/24 14:53	108-05-4	J(v2)
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/30/24 14:53	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/30/24 14:53	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/30/24 14:53	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/30/24 14:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/30/24 14:53	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		07/30/24 14:53	2037-26-5	

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(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RE10(30) **Lab ID: 35894885007** Collected: 07/29/24 11:49 Received: 07/29/24 13:57 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		07/30/24 14:53	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		07/30/24 20:40		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**390**	mg/L	5.0	5.0	1		08/01/24 12:39		
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		08/05/24 16:29		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**95.9**	mg/L	10.0	5.0	2		08/01/24 14:12	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		08/01/24 16:57	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	07/31/24 14:37	08/01/24 14:14	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, NO2 plus NO3	**0.016 I**	mg/L	0.050	0.015	1		07/30/24 08:56		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/30/24 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	**27.4**	mg/L	20.0	12.5	1	07/30/24 13:13	07/31/24 08:32		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**8.3**	mg/L	1.0	0.50	1		07/31/24 01:14	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RE10(15) **Lab ID: 35894885008** Collected: 07/29/24 12:21 Received: 07/29/24 13:57 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		07/29/24 12:21		
Field Temperature	**29.4**	deg C			1		07/29/24 12:21		
Field Specific Conductance	**920**	umhos/cm			1		07/29/24 12:21		
Oxygen, Dissolved	**0.04**	mg/L			1		07/29/24 12:21	7782-44-7	
Turbidity	**0.30**	NTU			1		07/29/24 12:21		
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	07/31/24 02:33	08/02/24 15:53	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	07/31/24 02:33	08/02/24 15:53	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**34.4**	ug/L	10.0	0.84	1	07/31/24 08:15	07/31/24 17:34	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 17:34	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 17:34	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 17:34	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 17:34	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 17:34	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 17:34	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 17:34	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 17:34	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 17:34	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 17:34	7440-22-4	
Sodium	**70.2**	mg/L	2.0	0.54	1	07/31/24 08:15	07/31/24 17:34	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 17:34	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 17:34	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	07/31/24 08:15	07/31/24 14:07	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 14:07	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 14:07	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	08/01/24 08:31	08/01/24 13:25	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		07/30/24 15:15	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/30/24 15:15	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 15:15	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/30/24 15:15	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RE10(15) **Lab ID: 35894885008** Collected: 07/29/24 12:21 Received: 07/29/24 13:57 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		07/30/24 15:15	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/30/24 15:15	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/30/24 15:15	74-83-9	
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/30/24 15:15	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/30/24 15:15	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/30/24 15:15	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/30/24 15:15	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/30/24 15:15	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/30/24 15:15	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/30/24 15:15	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/30/24 15:15	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/30/24 15:15	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/30/24 15:15	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/30/24 15:15	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/30/24 15:15	110-57-6	J(v1)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/30/24 15:15	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/30/24 15:15	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/30/24 15:15	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/30/24 15:15	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/30/24 15:15	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/30/24 15:15	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/30/24 15:15	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 15:15	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/30/24 15:15	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/30/24 15:15	74-88-4	
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/30/24 15:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/30/24 15:15	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/30/24 15:15	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/30/24 15:15	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/30/24 15:15	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/30/24 15:15	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/30/24 15:15	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 15:15	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 15:15	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/30/24 15:15	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/30/24 15:15	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/30/24 15:15	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/30/24 15:15	108-05-4	J(v2)
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/30/24 15:15	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/30/24 15:15	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/30/24 15:15	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/30/24 15:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/30/24 15:15	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		07/30/24 15:15	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: RE10(15) **Lab ID: 35894885008** Collected: 07/29/24 12:21 Received: 07/29/24 13:57 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		07/30/24 15:15	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		07/30/24 20:52		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**516**	mg/L	5.0	5.0	1		08/01/24 12:39		
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		08/05/24 16:29		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**167**	mg/L	10.0	5.0	2		08/01/24 06:35	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		08/01/24 16:58	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	**1.3**	mg/L	0.50	0.20	1	07/31/24 14:37	08/01/24 14:15	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		07/30/24 08:59		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/30/24 08:59	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**40.4**	mg/L	20.0	12.5	1	07/30/24 13:13	07/31/24 08:32		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**7.8**	mg/L	1.0	0.50	1		07/31/24 01:30	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: EQ Blank 072924 **Lab ID: 35894885009** Collected: 07/29/24 12:34 Received: 07/29/24 13:57 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	07/31/24 02:33	08/02/24 16:05	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	07/31/24 02:33	08/02/24 16:05	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	07/31/24 08:15	07/31/24 17:38	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 08:15	07/31/24 17:38	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 08:15	07/31/24 17:38	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 08:15	07/31/24 17:38	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 08:15	07/31/24 17:38	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 08:15	07/31/24 17:38	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	07/31/24 08:15	07/31/24 17:38	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 08:15	07/31/24 17:38	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 17:38	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 08:15	07/31/24 17:38	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 08:15	07/31/24 17:38	7440-22-4	
Sodium	**0.54 U**	mg/L	2.0	0.54	1	07/31/24 08:15	07/31/24 17:38	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 08:15	07/31/24 17:38	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 08:15	07/31/24 17:38	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	07/31/24 08:15	07/31/24 14:09	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 08:15	07/31/24 14:09	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 08:15	07/31/24 14:09	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	08/01/24 08:31	08/01/24 13:27	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		07/30/24 12:39	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/30/24 12:39	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 12:39	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/30/24 12:39	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		07/30/24 12:39	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/30/24 12:39	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/30/24 12:39	74-83-9	
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/30/24 12:39	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/30/24 12:39	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/30/24 12:39	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/30/24 12:39	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/30/24 12:39	75-00-3	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: EQ Blank 072924 **Lab ID: 35894885009** Collected: 07/29/24 12:34 Received: 07/29/24 13:57 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		07/30/24 12:39	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/30/24 12:39	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/30/24 12:39	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/30/24 12:39	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/30/24 12:39	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/30/24 12:39	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/30/24 12:39	110-57-6	J(v1)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/30/24 12:39	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/30/24 12:39	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/30/24 12:39	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/30/24 12:39	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/30/24 12:39	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/30/24 12:39	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/30/24 12:39	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 12:39	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/30/24 12:39	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/30/24 12:39	74-88-4	
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/30/24 12:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/30/24 12:39	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/30/24 12:39	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/30/24 12:39	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/30/24 12:39	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/30/24 12:39	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/30/24 12:39	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 12:39	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/30/24 12:39	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/30/24 12:39	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/30/24 12:39	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/30/24 12:39	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/30/24 12:39	108-05-4	J(v2)
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/30/24 12:39	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/30/24 12:39	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/30/24 12:39	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/30/24 12:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/30/24 12:39	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		07/30/24 12:39	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		07/30/24 12:39	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		07/30/24 21:05		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Sample: EQ Blank 072924 **Lab ID: 35894885009** Collected: 07/29/24 12:34 Received: 07/29/24 13:57 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		08/01/24 12:39		
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		08/05/24 16:29		
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		08/01/24 06:57	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		08/01/24 17:00	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	07/31/24 14:37	08/01/24 14:17	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		07/31/24 01:19		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/31/24 01:19	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	07/30/24 13:13	07/31/24 08:32		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**0.50 U**	mg/L	1.0	0.50	1		07/31/24 01:42	7440-44-0	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030667
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894885001, 35894885002, 35894885003, 35894885004, 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

METHOD BLANK: 5663457 Matrix: Water
Associated Lab Samples: 35894885001, 35894885002, 35894885003, 35894885004, 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.14 U	0.20	0.14	08/01/24 12:34	

LABORATORY CONTROL SAMPLE: 5663458

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5663459 5663460

Parameter	Units	35894664001 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	100	99	75-125	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030349
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894885003, 35894885004, 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

METHOD BLANK: 5661781 Matrix: Water
Associated Lab Samples: 35894885003, 35894885004, 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	07/31/24 13:46	
Beryllium	ug/L	0.17 U	4.0	0.17	07/31/24 13:46	
Cadmium	ug/L	0.33 U	1.0	0.33	07/31/24 13:46	
Chromium	ug/L	1.7 U	5.0	1.7	07/31/24 13:46	
Cobalt	ug/L	0.96 U	10.0	0.96	07/31/24 13:46	
Copper	ug/L	2.6 U	5.0	2.6	07/31/24 13:46	
Iron	ug/L	25.0 U	40.0	25.0	07/31/24 13:46	
Lead	ug/L	2.1 U	10.0	2.1	07/31/24 13:46	
Nickel	ug/L	1.0 U	5.0	1.0	07/31/24 13:46	
Selenium	ug/L	3.9 U	15.0	3.9	07/31/24 13:46	
Silver	ug/L	1.0 U	5.0	1.0	07/31/24 13:46	
Sodium	mg/L	0.54 U	2.0	0.54	07/31/24 13:46	
Vanadium	ug/L	1.0 U	10.0	1.0	07/31/24 13:46	
Zinc	ug/L	11.0 U	20.0	11.0	07/31/24 13:46	

LABORATORY CONTROL SAMPLE: 5661782

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	264	106	80-120	
Beryllium	ug/L	25	25.1	101	80-120	
Cadmium	ug/L	25	25.0	100	80-120	
Chromium	ug/L	250	248	99	80-120	
Cobalt	ug/L	250	251	100	80-120	
Copper	ug/L	250	256	102	80-120	
Iron	ug/L	2500	2560	102	80-120	
Lead	ug/L	250	256	103	80-120	
Nickel	ug/L	250	255	102	80-120	
Selenium	ug/L	250	242	97	80-120	
Silver	ug/L	25	25.5	102	80-120	
Sodium	mg/L	12.5	12.9	103	80-120	
Vanadium	ug/L	250	259	103	80-120	
Zinc	ug/L	1250	1230	98	80-120	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661783 5661784

Parameter	Units	35894655001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	159	250	250	401	404	97	98	75-125	1	20	
Beryllium	ug/L	0.17 U	25	25	25.1	25.3	100	101	75-125	1	20	
Cadmium	ug/L	0.33 U	25	25	23.2	23.3	93	93	75-125	1	20	
Chromium	ug/L	1.7 U	250	250	241	244	96	98	75-125	1	20	
Cobalt	ug/L	0.96 U	250	250	239	241	96	96	75-125	1	20	
Copper	ug/L	2.6 U	250	250	245	246	98	98	75-125	0	20	
Iron	ug/L	1680	2500	2500	4140	4140	98	98	75-125	0	20	
Lead	ug/L	2.1 U	250	250	240	242	96	97	75-125	1	20	
Nickel	ug/L	1.0 U	250	250	242	243	97	97	75-125	1	20	
Selenium	ug/L	3.9 U	250	250	236	238	94	95	75-125	1	20	
Silver	ug/L	1.0 U	25	25	25.2	25.1	101	101	75-125	0	20	
Sodium	mg/L	398	12.5	12.5	393	396	-34	-15	75-125	1	20	J(M1), L
Vanadium	ug/L	1.0 U	250	250	256	258	102	103	75-125	1	20	
Zinc	ug/L	11.0 U	1250	1250	1190	1200	96	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030946
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894885001, 35894885002

METHOD BLANK: 5664726 Matrix: Water
Associated Lab Samples: 35894885001, 35894885002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	08/02/24 14:55	
Beryllium	ug/L	0.17 U	4.0	0.17	08/02/24 14:55	
Cadmium	ug/L	0.33 U	1.0	0.33	08/02/24 14:55	
Chromium	ug/L	1.7 U	5.0	1.7	08/02/24 14:55	
Cobalt	ug/L	0.96 U	10.0	0.96	08/02/24 14:55	
Copper	ug/L	2.6 U	5.0	2.6	08/02/24 14:55	
Iron	ug/L	25.0 U	40.0	25.0	08/02/24 14:55	
Lead	ug/L	2.1 U	10.0	2.1	08/02/24 14:55	
Nickel	ug/L	1.0 U	5.0	1.0	08/02/24 14:55	
Selenium	ug/L	3.9 U	15.0	3.9	08/02/24 14:55	
Silver	ug/L	1.0 U	5.0	1.0	08/02/24 14:55	
Sodium	mg/L	0.54 U	2.0	0.54	08/02/24 14:55	
Vanadium	ug/L	1.0 U	10.0	1.0	08/02/24 14:55	
Zinc	ug/L	11.0 U	20.0	11.0	08/02/24 14:55	

LABORATORY CONTROL SAMPLE: 5664727

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	266	107	80-120	
Beryllium	ug/L	25	25.3	101	80-120	
Cadmium	ug/L	25	25.1	100	80-120	
Chromium	ug/L	250	249	100	80-120	
Cobalt	ug/L	250	253	101	80-120	
Copper	ug/L	250	257	103	80-120	
Iron	ug/L	2500	2550	102	80-120	
Lead	ug/L	250	257	103	80-120	
Nickel	ug/L	250	256	102	80-120	
Selenium	ug/L	250	243	97	80-120	
Silver	ug/L	25	25.4	101	80-120	
Sodium	mg/L	12.5	12.7	102	80-120	
Vanadium	ug/L	250	261	104	80-120	
Zinc	ug/L	1250	1230	99	80-120	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5664728 5664729

Parameter	Units	35895095004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	18.4	250	250	283	284	106	106	75-125	0	20	
Beryllium	ug/L	0.17 U	25	25	25.4	25.7	102	103	75-125	1	20	
Cadmium	ug/L	0.33 U	25	25	24.4	24.6	98	98	75-125	1	20	
Chromium	ug/L	1.7 U	250	250	255	254	102	101	75-125	0	20	
Cobalt	ug/L	0.96 U	250	250	250	253	100	101	75-125	1	20	
Copper	ug/L	2.6 U	250	250	256	259	103	104	75-125	1	20	
Iron	ug/L	750	2500	2500	3310	3330	102	103	75-125	1	20	
Lead	ug/L	2.1 U	250	250	252	255	101	102	75-125	1	20	
Nickel	ug/L	1.0 U	250	250	253	256	101	102	75-125	1	20	
Selenium	ug/L	3.9 U	250	250	236	241	94	96	75-125	2	20	
Silver	ug/L	1.0 U	25	25	26.0	25.9	103	103	75-125	0	20	
Sodium	mg/L	32.7	12.5	12.5	44.6	44.4	96	94	75-125	0	20	
Vanadium	ug/L	1.0 U	250	250	264	267	105	106	75-125	1	20	
Zinc	ug/L	11.0 U	1250	1250	1220	1230	98	98	75-125	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030348
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894885003, 35894885004, 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

METHOD BLANK: 5661777 Matrix: Water
Associated Lab Samples: 35894885003, 35894885004, 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	07/31/24 13:21	
Arsenic	ug/L	0.50 U	1.0	0.50	07/31/24 13:21	
Thallium	ug/L	0.11 U	1.0	0.11	07/31/24 13:21	

LABORATORY CONTROL SAMPLE: 5661778

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.7	99	80-120	
Arsenic	ug/L	50	50.4	101	80-120	
Thallium	ug/L	50	51.2	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661779 5661780

Parameter	Units	35894655002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	49.4	46.7	99	93	75-125	6	20	
Arsenic	ug/L	0.50 U	50	50	49.6	47.7	98	95	75-125	4	20	
Thallium	ug/L	0.11 U	50	50	49.5	47.2	99	94	75-125	5	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030945
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894885001, 35894885002

METHOD BLANK: 5664722 Matrix: Water
Associated Lab Samples: 35894885001, 35894885002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	08/05/24 15:06	
Arsenic	ug/L	0.50 U	1.0	0.50	08/05/24 15:06	
Thallium	ug/L	0.11 U	1.0	0.11	08/05/24 15:06	

LABORATORY CONTROL SAMPLE: 5664723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	48.1	96	80-120	
Arsenic	ug/L	50	52.7	105	80-120	
Thallium	ug/L	50	47.1	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5664724 5664725

Parameter	Units	35894123001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	48.6	47.9	97	96	75-125	1	20	
Arsenic	ug/L	0.50 U	50	50	52.3	52.2	104	104	75-125	0	20	
Thallium	ug/L	0.11 U	50	50	46.5	47.9	93	96	75-125	3	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1029952
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894885001, 35894885002, 35894885003

METHOD BLANK: 5659810
Matrix: Water
Associated Lab Samples: 35894885001, 35894885002, 35894885003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	07/29/24 22:50	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/29/24 22:50	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	07/29/24 22:50	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/29/24 22:50	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	07/29/24 22:50	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	07/29/24 22:50	J(v1)
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	07/29/24 22:50	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	07/29/24 22:50	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	07/29/24 22:50	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	07/29/24 22:50	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	07/29/24 22:50	
2-Hexanone	ug/L	6.6 U	25.0	6.6	07/29/24 22:50	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	07/29/24 22:50	
Acetone	ug/L	8.7 U	25.0	8.7	07/29/24 22:50	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	07/29/24 22:50	
Benzene	ug/L	0.30 U	1.0	0.30	07/29/24 22:50	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	07/29/24 22:50	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	07/29/24 22:50	
Bromoform	ug/L	0.48 U	3.0	0.48	07/29/24 22:50	
Bromomethane	ug/L	3.9 U	10.0	3.9	07/29/24 22:50	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	07/29/24 22:50	J(v1)
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	07/29/24 22:50	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	07/29/24 22:50	
Chloroethane	ug/L	3.7 U	10.0	3.7	07/29/24 22:50	
Chloroform	ug/L	0.56 U	1.0	0.56	07/29/24 22:50	
Chloromethane	ug/L	0.43 U	1.0	0.43	07/29/24 22:50	J(v2)
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	07/29/24 22:50	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	07/29/24 22:50	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	07/29/24 22:50	
Dibromomethane	ug/L	0.68 U	2.0	0.68	07/29/24 22:50	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	07/29/24 22:50	
Iodomethane	ug/L	3.6 U	10.0	3.6	07/29/24 22:50	J(v2)
m&p-Xylene	ug/L	0.75 U	4.0	0.75	07/29/24 22:50	
Methylene Chloride	ug/L	1.7 U	5.0	1.7	07/29/24 22:50	
o-Xylene	ug/L	0.57 U	1.0	0.57	07/29/24 22:50	
Styrene	ug/L	0.26 U	1.0	0.26	07/29/24 22:50	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	07/29/24 22:50	
Toluene	ug/L	0.33 U	1.0	0.33	07/29/24 22:50	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	07/29/24 22:50	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	07/29/24 22:50	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

METHOD BLANK: 5659810 Matrix: Water
Associated Lab Samples: 35894885001, 35894885002, 35894885003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	07/29/24 22:50	J(v2)
Trichloroethene	ug/L	0.36 U	1.0	0.36	07/29/24 22:50	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	07/29/24 22:50	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	07/29/24 22:50	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	07/29/24 22:50	J(v2)
Xylene (Total)	ug/L	2.1 U	5.0	2.1	07/29/24 22:50	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130		07/29/24 22:50	
4-Bromofluorobenzene (S)	%	92	70-130		07/29/24 22:50	
Toluene-d8 (S)	%	99	70-130		07/29/24 22:50	

LABORATORY CONTROL SAMPLE: 5659811

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.9	95	70-130	
1,1,1-Trichloroethane	ug/L	20	21.9	110	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.9	95	68-125	
1,1,2-Trichloroethane	ug/L	20	19.6	98	70-130	
1,1-Dichloroethane	ug/L	20	20.8	104	70-130	
1,1-Dichloroethene	ug/L	20	25.7	129	66-133	J(v1)
1,2,3-Trichloropropane	ug/L	20	19.6	98	62-127	
1,2-Dichlorobenzene	ug/L	20	19.0	95	70-130	
1,2-Dichloropropane	ug/L	20	19.2	96	70-130	
1,4-Dichlorobenzene	ug/L	20	18.9	95	70-130	
2-Butanone (MEK)	ug/L	100	99.6	100	47-143	
2-Hexanone	ug/L	100	98.1	98	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	96.4	96	57-132	
Acetone	ug/L	100	101	101	46-148	
Acrylonitrile	ug/L	100	90.7	91	60-143	
Benzene	ug/L	20	21.0	105	70-130	
Bromochloromethane	ug/L	20	19.7	98	70-130	
Bromodichloromethane	ug/L	20	20.3	101	70-130	
Bromoform	ug/L	20	16.6	83	49-126	
Bromomethane	ug/L	20	11.9	59	10-165	J(v3)
Carbon disulfide	ug/L	20	30.4	152	60-141	J(L1),J(v1)
Carbon tetrachloride	ug/L	20	20.8	104	63-126	
Chlorobenzene	ug/L	20	20.0	100	70-130	
Chloroethane	ug/L	20	17.2	86	71-142	
Chloroform	ug/L	20	21.1	106	70-130	
Chloromethane	ug/L	20	11.9	60	40-140	J(v3)
cis-1,2-Dichloroethene	ug/L	20	21.8	109	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.8	94	70-130	
Dibromochloromethane	ug/L	20	18.2	91	62-118	
Dibromomethane	ug/L	20	20.4	102	70-130	
Ethylbenzene	ug/L	20	20.2	101	70-130	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

LABORATORY CONTROL SAMPLE: 5659811

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	5.6 I	28	10-164	J(v3)
m&p-Xylene	ug/L	40	40.7	102	70-130	
Methylene Chloride	ug/L	20	23.8	119	65-136	
o-Xylene	ug/L	20	20.3	102	70-130	
Styrene	ug/L	20	20.2	101	70-130	
Tetrachloroethene	ug/L	20	20.8	104	64-134	
Toluene	ug/L	20	20.6	103	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.5	108	68-127	
trans-1,3-Dichloropropene	ug/L	20	18.8	94	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	12.3	62	42-129	J(v3)
Trichloroethene	ug/L	20	22.1	110	70-130	
Trichlorofluoromethane	ug/L	20	17.9	90	65-135	
Vinyl acetate	ug/L	20	16.4	82	60-144	
Vinyl chloride	ug/L	20	15.0	75	68-131	J(v3)
Xylene (Total)	ug/L	60	61.0	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 5659815

Parameter	Units	35894884010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	15.9	79	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	19.8	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	15.6	78	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	16.1	81	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	18.8	94	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	23.0	115	66-133	J(v1)
1,2,3-Trichloropropane	ug/L	0.53 U	20	15.8	79	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	14.3	72	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	13.9	69	70-130	J(M1)
2-Butanone (MEK)	ug/L	6.7 U	100	86.6	87	47-143	
2-Hexanone	ug/L	6.6 U	100	79.3	79	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	78.9	79	57-132	
Acetone	ug/L	8.7 U	100	69.3	69	46-148	
Acrylonitrile	ug/L	3.7 U	100	98.6	99	60-143	
Benzene	ug/L	1.0	20	20.1	95	70-130	
Bromochloromethane	ug/L	0.37 U	20	17.3	87	70-130	
Bromodichloromethane	ug/L	0.19 U	20	18.4	92	70-130	
Bromoform	ug/L	0.48 U	20	13.6	68	49-126	
Bromomethane	ug/L	3.9 U	20	6.7 I	33	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	25.2	126	60-141	J(v1)
Carbon tetrachloride	ug/L	0.44 U	20	18.3	91	63-126	
Chlorobenzene	ug/L	0.35 U	20	15.7	78	70-130	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

MATRIX SPIKE SAMPLE: 5659815

Parameter	Units	35894884010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	3.7 U	20	14.8	74	71-142	
Chloroform	ug/L	0.56 U	20	18.5	92	70-130	
Chloromethane	ug/L	0.43 U	20	11.0	55	40-140	J(v3)
cis-1,2-Dichloroethene	ug/L	0.27 U	20	19.2	96	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	16.2	81	70-130	
Dibromochloromethane	ug/L	0.45 U	20	15.0	75	62-118	
Dibromomethane	ug/L	0.68 U	20	18.0	90	70-130	
Ethylbenzene	ug/L	219	20	238	95	70-130	L
Iodomethane	ug/L	3.6 U	20	3.6 U	15	10-164	J(v2)
m&p-Xylene	ug/L	0.75 U	40	33.2	83	70-130	
Methylene Chloride	ug/L	1.7 U	20	22.4	112	65-136	
o-Xylene	ug/L	0.57 U	20	16.8	84	70-130	
Styrene	ug/L	0.26 U	20	16.4	82	70-130	
Tetrachloroethene	ug/L	0.38 U	20	15.1	75	64-134	
Toluene	ug/L	0.33 U	20	16.8	83	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	19.5	97	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	15.6	78	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	11.9	59	42-129	J(v3)
Trichloroethene	ug/L	0.36 U	20	17.7	89	70-130	
Trichlorofluoromethane	ug/L	0.72 U	20	17.1	85	65-135	
Vinyl acetate	ug/L	1.8 U	20	13.8	69	60-144	
Vinyl chloride	ug/L	0.39 U	20	16.4	82	68-131	J(v3)
Xylene (Total)	ug/L	2.1 U	60	50.0	83	70-130	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 5659814

Parameter	Units	35894884009 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	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 2nd Semiannual RRF
Pace Project No.: 35894885

SAMPLE DUPLICATE: 5659814

Parameter	Units	35894884009 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	J(v1)
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	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	J(v2)
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	J(v2)
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	105	106		40	
4-Bromofluorobenzene (S)	%	90	92		40	
Toluene-d8 (S)	%	100	101		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030083
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894885004, 35894885006, 35894885007, 35894885008, 35894885009

METHOD BLANK: 5660308
Matrix: Water
Associated Lab Samples: 35894885004, 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	07/30/24 11:10	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/30/24 11:10	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	07/30/24 11:10	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/30/24 11:10	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	07/30/24 11:10	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	07/30/24 11:10	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	07/30/24 11:10	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	07/30/24 11:10	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	07/30/24 11:10	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	07/30/24 11:10	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	07/30/24 11:10	
2-Hexanone	ug/L	6.6 U	25.0	6.6	07/30/24 11:10	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	07/30/24 11:10	
Acetone	ug/L	8.7 U	25.0	8.7	07/30/24 11:10	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	07/30/24 11:10	
Benzene	ug/L	0.30 U	1.0	0.30	07/30/24 11:10	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	07/30/24 11:10	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	07/30/24 11:10	
Bromoform	ug/L	0.48 U	3.0	0.48	07/30/24 11:10	
Bromomethane	ug/L	3.9 U	10.0	3.9	07/30/24 11:10	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	07/30/24 11:10	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	07/30/24 11:10	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	07/30/24 11:10	
Chloroethane	ug/L	3.7 U	10.0	3.7	07/30/24 11:10	
Chloroform	ug/L	0.56 U	1.0	0.56	07/30/24 11:10	
Chloromethane	ug/L	0.43 U	1.0	0.43	07/30/24 11:10	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	07/30/24 11:10	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	07/30/24 11:10	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	07/30/24 11:10	
Dibromomethane	ug/L	0.68 U	2.0	0.68	07/30/24 11:10	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	07/30/24 11:10	
Iodomethane	ug/L	3.6 U	10.0	3.6	07/30/24 11:10	
m&p-Xylene	ug/L	0.75 U	4.0	0.75	07/30/24 11:10	
Methylene Chloride	ug/L	1.7 U	5.0	1.7	07/30/24 11:10	
o-Xylene	ug/L	0.57 U	1.0	0.57	07/30/24 11:10	
Styrene	ug/L	0.26 U	1.0	0.26	07/30/24 11:10	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	07/30/24 11:10	
Toluene	ug/L	0.33 U	1.0	0.33	07/30/24 11:10	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	07/30/24 11:10	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	07/30/24 11:10	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

METHOD BLANK: 5660308 Matrix: Water
Associated Lab Samples: 35894885004, 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	07/30/24 11:10	J(v1)
Trichloroethene	ug/L	0.36 U	1.0	0.36	07/30/24 11:10	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	07/30/24 11:10	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	07/30/24 11:10	J(v2)
Vinyl chloride	ug/L	0.39 U	1.0	0.39	07/30/24 11:10	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	07/30/24 11:10	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130		07/30/24 11:10	
4-Bromofluorobenzene (S)	%	96	70-130		07/30/24 11:10	
Toluene-d8 (S)	%	100	70-130		07/30/24 11:10	

LABORATORY CONTROL SAMPLE: 5660309

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.5	93	70-130	
1,1,1-Trichloroethane	ug/L	20	19.1	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.1	91	68-125	
1,1,2-Trichloroethane	ug/L	20	18.0	90	70-130	
1,1-Dichloroethane	ug/L	20	20.1	101	70-130	
1,1-Dichloroethene	ug/L	20	20.4	102	66-133	
1,2,3-Trichloropropane	ug/L	20	19.7	99	62-127	
1,2-Dichlorobenzene	ug/L	20	18.6	93	70-130	
1,2-Dichloropropane	ug/L	20	19.8	99	70-130	
1,4-Dichlorobenzene	ug/L	20	19.7	99	70-130	
2-Butanone (MEK)	ug/L	100	89.5	90	47-143	
2-Hexanone	ug/L	100	103	103	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	96.8	97	57-132	
Acetone	ug/L	100	102	102	46-148	
Acrylonitrile	ug/L	100	100	100	60-143	
Benzene	ug/L	20	19.2	96	70-130	
Bromochloromethane	ug/L	20	19.0	95	70-130	
Bromodichloromethane	ug/L	20	19.1	95	70-130	
Bromoform	ug/L	20	17.1	86	49-126	
Bromomethane	ug/L	20	19.3	96	10-165	
Carbon disulfide	ug/L	20	19.0	95	60-141	
Carbon tetrachloride	ug/L	20	18.2	91	63-126	
Chlorobenzene	ug/L	20	18.7	94	70-130	
Chloroethane	ug/L	20	19.5	98	71-142	
Chloroform	ug/L	20	18.8	94	70-130	
Chloromethane	ug/L	20	20.7	103	40-140	
cis-1,2-Dichloroethene	ug/L	20	20.1	101	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.8	94	70-130	
Dibromochloromethane	ug/L	20	19.1	95	62-118	
Dibromomethane	ug/L	20	17.3	87	70-130	
Ethylbenzene	ug/L	20	19.1	96	70-130	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

LABORATORY CONTROL SAMPLE: 5660309

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	16.5	82	10-164	
m&p-Xylene	ug/L	40	39.2	98	70-130	
Methylene Chloride	ug/L	20	23.3	116	65-136	
o-Xylene	ug/L	20	19.5	98	70-130	
Styrene	ug/L	20	19.6	98	70-130	
Tetrachloroethene	ug/L	20	19.1	96	64-134	
Toluene	ug/L	20	19.5	97	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.8	104	68-127	
trans-1,3-Dichloropropene	ug/L	20	19.5	97	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	24.5	122	42-129	J(v1)
Trichloroethene	ug/L	20	18.1	90	70-130	
Trichlorofluoromethane	ug/L	20	19.3	96	65-135	
Vinyl acetate	ug/L	20	14.3	72	60-144	J(v3)
Vinyl chloride	ug/L	20	21.7	108	68-131	
Xylene (Total)	ug/L	60	58.7	98	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE SAMPLE: 5660311

Parameter	Units	35894885005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U		13.5			J(M1)
1,1,1-Trichloroethane	ug/L	0.30 U		15.2			
1,1,2,2-Tetrachloroethane	ug/L	0.59 U		14.1			
1,1,2-Trichloroethane	ug/L	0.30 U		13.3			J(M1)
1,1-Dichloroethane	ug/L	0.34 U		16.0			
1,1-Dichloroethene	ug/L	0.59 U		16.4			
1,2,3-Trichloropropane	ug/L	0.53 U		15.0			
1,2-Dichlorobenzene	ug/L	0.60 U		13.1			J(M1)
1,2-Dichloropropane	ug/L	0.23 U		15.6			
1,4-Dichlorobenzene	ug/L	0.28 U		13.9			J(M1)
2-Butanone (MEK)	ug/L	6.7 U		63.4			
2-Hexanone	ug/L	6.6 U		71.7			
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U		69.6			
Acetone	ug/L	17.0 I		74.2			
Acrylonitrile	ug/L	3.7 U		74.7			
Benzene	ug/L	0.30 U		15.3			
Bromochloromethane	ug/L	0.37 U		15.2			
Bromodichloromethane	ug/L	0.19 U		15.1			
Bromoform	ug/L	0.48 U		12.6			
Bromomethane	ug/L	3.9 U		8.3 I			
Carbon disulfide	ug/L	1.8 U		15.9			
Carbon tetrachloride	ug/L	0.44 U		15.0			
Chlorobenzene	ug/L	0.35 U		13.7			J(M1)

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

MATRIX SPIKE SAMPLE: 5660311

Parameter	Units	35894885005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	3.7 U		14.1			
Chloroform	ug/L	0.56 U		14.8			
Chloromethane	ug/L	0.43 U		15.3			
cis-1,2-Dichloroethene	ug/L	0.27 U		15.7			
cis-1,3-Dichloropropene	ug/L	0.17 U		13.7			J(M1)
Dibromochloromethane	ug/L	0.45 U		13.6			
Dibromomethane	ug/L	0.68 U		14.1			
Ethylbenzene	ug/L	0.30 U		13.9			J(M1)
Iodomethane	ug/L	3.6 U		6.6 I			
m&p-Xylene	ug/L	0.75 U		28.2			J(M1)
Methylene Chloride	ug/L	1.7 U		18.0			
o-Xylene	ug/L	0.57 U		14.1			J(M1)
Styrene	ug/L	0.26 U		13.7			J(M1)
Tetrachloroethene	ug/L	0.38 U		14.1			
Toluene	ug/L	0.33 U		14.2			
trans-1,2-Dichloroethene	ug/L	0.23 U		16.5			
trans-1,3-Dichloropropene	ug/L	0.37 U		13.4			
trans-1,4-Dichloro-2-butene	ug/L	2.5 U		11.4			J(v1)
Trichloroethene	ug/L	0.36 U		14.2			
Trichlorofluoromethane	ug/L	0.72 U		13.0			
Vinyl acetate	ug/L	1.8 U		12.0			J(v3)
Vinyl chloride	ug/L	0.39 U		15.1			
Xylene (Total)	ug/L	2.1 U	60	42.4	65	70-130	MS
1,2-Dichlorobenzene-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				94	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 5660310

Parameter	Units	35894885004 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	
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 2nd Semiannual RRF
Pace Project No.: 35894885

SAMPLE DUPLICATE: 5660310

Parameter	Units	35894885004 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	
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	0.51 I		40	
Iodomethane	ug/L	3.6 U	3.6 U		40	
m&p-Xylene	ug/L	0.75 U	1.7 I		40	
Methylene Chloride	ug/L	1.7 U	1.7 U		40	
o-Xylene	ug/L	0.57 U	1.7		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(v1)
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	J(v2)
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)	%	102	99		40	
4-Bromofluorobenzene (S)	%	94	95		40	
Toluene-d8 (S)	%	102	102		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030274
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35894885005

METHOD BLANK: 5661425 Matrix: Water

Associated Lab Samples: 35894885005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	07/30/24 22:20	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/30/24 22:20	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	07/30/24 22:20	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/30/24 22:20	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	07/30/24 22:20	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	07/30/24 22:20	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	07/30/24 22:20	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	07/30/24 22:20	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	07/30/24 22:20	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	07/30/24 22:20	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	07/30/24 22:20	
2-Hexanone	ug/L	6.6 U	25.0	6.6	07/30/24 22:20	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	07/30/24 22:20	
Acetone	ug/L	8.7 U	25.0	8.7	07/30/24 22:20	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	07/30/24 22:20	
Benzene	ug/L	0.30 U	1.0	0.30	07/30/24 22:20	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	07/30/24 22:20	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	07/30/24 22:20	
Bromoform	ug/L	0.48 U	3.0	0.48	07/30/24 22:20	
Bromomethane	ug/L	3.9 U	10.0	3.9	07/30/24 22:20	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	07/30/24 22:20	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	07/30/24 22:20	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	07/30/24 22:20	
Chloroethane	ug/L	3.7 U	10.0	3.7	07/30/24 22:20	J(v1)
Chloroform	ug/L	0.56 U	1.0	0.56	07/30/24 22:20	
Chloromethane	ug/L	0.43 U	1.0	0.43	07/30/24 22:20	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	07/30/24 22:20	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	07/30/24 22:20	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	07/30/24 22:20	
Dibromomethane	ug/L	0.68 U	2.0	0.68	07/30/24 22:20	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	07/30/24 22:20	
Iodomethane	ug/L	3.6 U	10.0	3.6	07/30/24 22:20	J(v2)
m&p-Xylene	ug/L	0.75 U	4.0	0.75	07/30/24 22:20	
Methylene Chloride	ug/L	1.7 U	5.0	1.7	07/30/24 22:20	J(v1)
o-Xylene	ug/L	0.57 U	1.0	0.57	07/30/24 22:20	
Styrene	ug/L	0.26 U	1.0	0.26	07/30/24 22:20	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	07/30/24 22:20	
Toluene	ug/L	0.33 U	1.0	0.33	07/30/24 22:20	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	07/30/24 22:20	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	07/30/24 22:20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

METHOD BLANK: 5661425 Matrix: Water
Associated Lab Samples: 35894885005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	07/30/24 22:20	J(v1)
Trichloroethene	ug/L	0.36 U	1.0	0.36	07/30/24 22:20	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	07/30/24 22:20	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	07/30/24 22:20	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	07/30/24 22:20	J(v1)
Xylene (Total)	ug/L	2.1 U	5.0	2.1	07/30/24 22:20	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130		07/30/24 22:20	
4-Bromofluorobenzene (S)	%	94	70-130		07/30/24 22:20	
Toluene-d8 (S)	%	101	70-130		07/30/24 22:20	

LABORATORY CONTROL SAMPLE: 5661426

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.3	102	70-130	
1,1,1-Trichloroethane	ug/L	20	22.0	110	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.1	100	68-125	
1,1,2-Trichloroethane	ug/L	20	19.4	97	70-130	
1,1-Dichloroethane	ug/L	20	22.9	114	70-130	
1,1-Dichloroethene	ug/L	20	22.2	111	66-133	
1,2,3-Trichloropropane	ug/L	20	21.9	110	62-127	
1,2-Dichlorobenzene	ug/L	20	20.3	101	70-130	
1,2-Dichloropropane	ug/L	20	22.5	112	70-130	
1,4-Dichlorobenzene	ug/L	20	21.3	106	70-130	
2-Butanone (MEK)	ug/L	100	92.1	92	47-143	
2-Hexanone	ug/L	100	101	101	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	103	103	57-132	
Acetone	ug/L	100	93.3	93	46-148	
Acrylonitrile	ug/L	100	101	101	60-143	
Benzene	ug/L	20	21.5	108	70-130	
Bromochloromethane	ug/L	20	21.0	105	70-130	
Bromodichloromethane	ug/L	20	21.5	108	70-130	
Bromoform	ug/L	20	19.9	99	49-126	
Bromomethane	ug/L	20	11.2	56	10-165	
Carbon disulfide	ug/L	20	22.7	113	60-141	
Carbon tetrachloride	ug/L	20	21.2	106	63-126	
Chlorobenzene	ug/L	20	20.2	101	70-130	
Chloroethane	ug/L	20	24.1	120	71-142	J(v1)
Chloroform	ug/L	20	20.9	105	70-130	
Chloromethane	ug/L	20	23.6	118	40-140	
cis-1,2-Dichloroethene	ug/L	20	22.1	111	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.9	105	70-130	
Dibromochloromethane	ug/L	20	20.2	101	62-118	
Dibromomethane	ug/L	20	20.0	100	70-130	
Ethylbenzene	ug/L	20	20.5	103	70-130	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

LABORATORY CONTROL SAMPLE: 5661426

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	6.7 I	33	10-164	J(v3)
m&p-Xylene	ug/L	40	42.1	105	70-130	
Methylene Chloride	ug/L	20	26.6	133	65-136	J(v1)
o-Xylene	ug/L	20	20.5	103	70-130	
Styrene	ug/L	20	21.2	106	70-130	
Tetrachloroethene	ug/L	20	20.6	103	64-134	
Toluene	ug/L	20	20.7	103	70-130	
trans-1,2-Dichloroethene	ug/L	20	22.4	112	68-127	
trans-1,3-Dichloropropene	ug/L	20	21.2	106	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	27.4	137	42-129	J(v1),L3
Trichloroethene	ug/L	20	20.1	100	70-130	
Trichlorofluoromethane	ug/L	20	21.6	108	65-135	
Vinyl acetate	ug/L	20	16.7	84	60-144	
Vinyl chloride	ug/L	20	24.9	124	68-131	J(v1)
Xylene (Total)	ug/L	60	62.6	104	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 5661428

Parameter	Units	35895146001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	19.5	98	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	22.1	110	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	19.3	97	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	23.3	116	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	22.7	113	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	22.3	112	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.4	87	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	22.3	111	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	17.7	88	70-130	
2-Butanone (MEK)	ug/L	6.7 U	100	100	100	47-143	
2-Hexanone	ug/L	6.6 U	100	103	103	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	100	100	57-132	
Acetone	ug/L	8.7 U	100	121	121	46-148	
Acrylonitrile	ug/L	3.7 U	100	109	109	60-143	
Benzene	ug/L	0.30 U	20	21.7	108	70-130	
Bromochloromethane	ug/L	0.37 U	20	20.4	102	70-130	
Bromodichloromethane	ug/L	0.19 U	20	21.3	106	70-130	
Bromoform	ug/L	0.48 U	20	16.8	84	49-126	
Bromomethane	ug/L	3.9 U	20	3.9 U	14	10-165	
Carbon disulfide	ug/L	1.8 U	20	20.5	102	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	21.4	107	63-126	
Chlorobenzene	ug/L	0.35 U	20	19.2	96	70-130	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

MATRIX SPIKE SAMPLE: 5661428

Parameter	Units	35895146001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	3.7 U	20	20.9	105	71-142	J(v1)
Chloroform	ug/L	0.56 U	20	21.1	105	70-130	
Chloromethane	ug/L	0.43 U	20	19.0	95	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	22.4	112	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	19.4	97	70-130	
Dibromochloromethane	ug/L	0.45 U	20	19.2	96	62-118	
Dibromomethane	ug/L	0.68 U	20	19.5	98	70-130	
Ethylbenzene	ug/L	0.30 U	20	19.1	96	70-130	
Iodomethane	ug/L	3.6 U	20	3.6 U	8	10-164	J(M1),J(v3)
m&p-Xylene	ug/L	0.75 U	40	38.8	97	70-130	
Methylene Chloride	ug/L	1.7 U	20	25.9	129	65-136	J(v1)
o-Xylene	ug/L	0.57 U	20	19.5	97	70-130	
Styrene	ug/L	0.26 U	20	19.4	97	70-130	
Tetrachloroethene	ug/L	0.38 U	20	18.1	90	64-134	
Toluene	ug/L	0.33 U	20	20.3	102	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	22.8	114	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	18.7	93	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	10.1	51	42-129	J(v1)
Trichloroethene	ug/L	0.36 U	20	19.7	99	70-130	
Trichlorofluoromethane	ug/L	0.72 U	20	20.7	104	65-135	
Vinyl acetate	ug/L	1.8 U	20	16.6	83	60-144	
Vinyl chloride	ug/L	0.39 U	20	23.5	118	68-131	J(v1)
Xylene (Total)	ug/L	2.1 U	60	58.3	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 5661427

Parameter	Units	35895144001 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	1.4	1.6	12	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 2nd Semiannual RRF
Pace Project No.: 35894885

SAMPLE DUPLICATE: 5661427

Parameter	Units	35895144001 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	
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	0.58 I	0.61 I		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	J(v1)
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(v1)
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	J(v1)
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	103	100		40	
4-Bromofluorobenzene (S)	%	97	96		40	
Toluene-d8 (S)	%	101	101		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030266
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894885001, 35894885002, 35894885003, 35894885004, 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

METHOD BLANK: 5661398 Matrix: Water
Associated Lab Samples: 35894885001, 35894885002, 35894885003, 35894885004, 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	08/02/24 12:02	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	08/02/24 12:02	

LABORATORY CONTROL SAMPLE: 5661399

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.26	104	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.22	89	60-140	

MATRIX SPIKE SAMPLE: 5661442

Parameter	Units	35894993002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0066 U	0.26	0.26	102	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0077 U	0.26	0.29	114	60-140	

SAMPLE DUPLICATE: 5661443

Parameter	Units	35895144001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0065 U	0.0066 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0076 U	0.0077 U		40	

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(954)582-4300

QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030181 — Analysis Method: SM 2320B
QC Batch Method: SM 2320B — Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894885001, 35894885002, 35894885003, 35894885004, 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

METHOD BLANK: 5661011 — Matrix: Water
Associated Lab Samples: 35894885001, 35894885002, 35894885003, 35894885004, 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	5.0 U	5.0	5.0	07/30/24 17:07	

LABORATORY CONTROL SAMPLE: 5661012

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	250	231	92	90-110	

SAMPLE DUPLICATE: 5661013

Parameter	Units	35894830001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	234	231	1	20	

SAMPLE DUPLICATE: 5661014

Parameter	Units	35894885005 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	241	241	0	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030046 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894885001, 35894885002, 35894885003, 35894885004

METHOD BLANK: 5660201 Matrix: Water
Associated Lab Samples: 35894885001, 35894885002, 35894885003, 35894885004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	07/30/24 12:10	

LABORATORY CONTROL SAMPLE: 5660202

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

SAMPLE DUPLICATE: 5660203

Parameter	Units	35894627002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	870	844	3	10	

SAMPLE DUPLICATE: 5660204

Parameter	Units	35894655002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	418	414	1	10	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030727 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

METHOD BLANK: 5663606 Matrix: Water
Associated Lab Samples: 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	08/01/24 12:39	

LABORATORY CONTROL SAMPLE: 5663607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	290	97	90-110	

SAMPLE DUPLICATE: 5663608

Parameter	Units	35894885005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	728	716	2	10	

SAMPLE DUPLICATE: 5663609

Parameter	Units	35894885006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	376	373	1	10	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030504 — 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: 35894885001, 35894885002, 35894885003, 35894885004, 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

METHOD BLANK: 5662540 — Matrix: Water
Associated Lab Samples: 35894885001, 35894885002, 35894885003, 35894885004, 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	08/01/24 00:46	

LABORATORY CONTROL SAMPLE: 5662541

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.4	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5666144 5666145

Parameter	Units	35894664003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	88.1	50	50	144	144	112	112	90-110	0	20	J(M1), L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5666146 5666147

Parameter	Units	35894958001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	30.2	50	50	82.5	82.5	105	105	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030690 | 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: 35894885001, 35894885002, 35894885003, 35894885004, 35894885005

METHOD BLANK: 5663499 Matrix: Water
Associated Lab Samples: 35894885001, 35894885002, 35894885003, 35894885004, 35894885005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	08/01/24 15:58	

LABORATORY CONTROL SAMPLE: 5663500

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: 5663502 5663501

Parameter	Units	35894410004 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	1.1	103	106	90-110	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5663503 5663504

Parameter	Units	35894532002 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	0.045 I	1	1	1.1	1.1	108	109	90-110	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030691 | 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: 35894885006, 35894885007, 35894885008, 35894885009

METHOD BLANK: 5663505 Matrix: Water
Associated Lab Samples: 35894885006, 35894885007, 35894885008, 35894885009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	08/01/24 18:34	

LABORATORY CONTROL SAMPLE: 5663506

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5663508 5663507

Parameter	Units	35894885006 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	1.0	1	1	2.0	2.0	103	101	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5663509 5663510

Parameter	Units	35894959007 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	107	106	90-110	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030089
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894885001, 35894885002, 35894885003, 35894885004

METHOD BLANK: 5660327 Matrix: Water
Associated Lab Samples: 35894885001, 35894885002, 35894885003, 35894885004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.20 U	0.50	0.20	08/01/24 11:18	

LABORATORY CONTROL SAMPLE: 5660328

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: 5660358 5660357

Parameter	Units	35894153003 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	1.2	20	20	20.5	20.4	96	96	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5660360 5660359

Parameter	Units	35894738003 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	0.39 I	20	20	18.5	17.7	90	87	90-110	4	20	J(M1)

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030092 | 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: 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

METHOD BLANK: 5660338 Matrix: Water
Associated Lab Samples: 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.20 U	0.50	0.20	08/01/24 14:03	

LABORATORY CONTROL SAMPLE: 5660339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	20	18.9	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5660362 5660361

Parameter	Units	35894885005 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	1.8	20	20	20.9	20.8	95	95	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5660364 5660363

Parameter	Units	35894885006 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	1.1	20	20	20.6	20.5	97	97	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1029979
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894885001, 35894885002, 35894885003, 35894885004, 35894885005, 35894885006, 35894885007, 35894885008

METHOD BLANK: 5659989 Matrix: Water
Associated Lab Samples: 35894885001, 35894885002, 35894885003, 35894885004, 35894885005, 35894885006, 35894885007, 35894885008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	07/30/24 08:29	
Nitrogen, NO2 plus NO3	mg/L	0.015 U	0.050	0.015	07/30/24 08:29	

LABORATORY CONTROL SAMPLE: 5659990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.2	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5659992 5659991

Parameter	Units	35894877001 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	0.028 I	2	2	2.2	2.1	107	104	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5659994 5659993

Parameter	Units	35894885005 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	2.1	2.1	106	104	90-110	3	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030240
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894885009

METHOD BLANK: 5661309 Matrix: Water
Associated Lab Samples: 35894885009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	07/31/24 00:40	
Nitrogen, NO2 plus NO3	mg/L	0.015 U	0.050	0.015	07/31/24 00:40	

LABORATORY CONTROL SAMPLE: 5661310

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661312 5661311

Parameter	Units	35894904002 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	6.9	10	10	17.2	17.4	103	105	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661314 5661313

Parameter	Units	35895029002 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	2.2	2.1	110	106	90-110	3	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030113
QC Batch Method: EPA 410.4
Analysis Method: EPA 410.4
Analysis Description: 410.4 COD
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894885001, 35894885002, 35894885003, 35894885004, 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

METHOD BLANK: 5660441 Matrix: Water
Associated Lab Samples: 35894885001, 35894885002, 35894885003, 35894885004, 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5 U	20.0	12.5	07/31/24 08:32	

LABORATORY CONTROL SAMPLE: 5660442

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	516	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5660444 5660443

Parameter	Units	35894885001 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	58.5	500	500	543	532	97	95	90-110	2	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

QC Batch: 1030052 — Analysis Method: SM 5310B
QC Batch Method: SM 5310B — Analysis Description: 5310B TOC
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35894885001, 35894885002, 35894885003, 35894885004, 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

METHOD BLANK: 5660227 — Matrix: Water
Associated Lab Samples: 35894885001, 35894885002, 35894885003, 35894885004, 35894885005, 35894885006, 35894885007, 35894885008, 35894885009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	07/30/24 22:46	

LABORATORY CONTROL SAMPLE: 5660228

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	20	19.6	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5660229 5660230

Parameter	Units	35894843001 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	5.1	20	20	24.8	25.4	98	101	80-120	2	20	

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QUALIFIERS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

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(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(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.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

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3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35894885001	**RR5(60)**				
35894885002	**RR5(60) Duplicate**				
35894885003	**RR5(20)**				
35894885004	**RR4(60)**				
35894885005	**RR4(20)**				
35894885006	**RE10(60)**				
35894885007	**RE10(30)**				
35894885008	**RE10(15)**				
35894885001	**RR5(60)**	EPA 8011	1030266	EPA 8011	1030457
35894885002	**RR5(60) Duplicate**	EPA 8011	1030266	EPA 8011	1030457
35894885003	**RR5(20)**	EPA 8011	1030266	EPA 8011	1030457
35894885004	**RR4(60)**	EPA 8011	1030266	EPA 8011	1030457
35894885005	**RR4(20)**	EPA 8011	1030266	EPA 8011	1030457
35894885006	**RE10(60)**	EPA 8011	1030266	EPA 8011	1030457
35894885007	**RE10(30)**	EPA 8011	1030266	EPA 8011	1030457
35894885008	**RE10(15)**	EPA 8011	1030266	EPA 8011	1030457
35894885009	**EQ Blank 072924**	EPA 8011	1030266	EPA 8011	1030457
35894885001	**RR5(60)**	EPA 3010	1030946	EPA 6010	1030961
35894885002	**RR5(60) Duplicate**	EPA 3010	1030946	EPA 6010	1030961
35894885003	**RR5(20)**	EPA 3010	1030349	EPA 6010	1030442
35894885004	**RR4(60)**	EPA 3010	1030349	EPA 6010	1030442
35894885005	**RR4(20)**	EPA 3010	1030349	EPA 6010	1030442
35894885006	**RE10(60)**	EPA 3010	1030349	EPA 6010	1030442
35894885007	**RE10(30)**	EPA 3010	1030349	EPA 6010	1030442
35894885008	**RE10(15)**	EPA 3010	1030349	EPA 6010	1030442
35894885009	**EQ Blank 072924**	EPA 3010	1030349	EPA 6010	1030442
35894885001	**RR5(60)**	EPA 3010	1030945	EPA 6020	1030960
35894885002	**RR5(60) Duplicate**	EPA 3010	1030945	EPA 6020	1030960
35894885003	**RR5(20)**	EPA 3010	1030348	EPA 6020	1030443
35894885004	**RR4(60)**	EPA 3010	1030348	EPA 6020	1030443
35894885005	**RR4(20)**	EPA 3010	1030348	EPA 6020	1030443
35894885006	**RE10(60)**	EPA 3010	1030348	EPA 6020	1030443
35894885007	**RE10(30)**	EPA 3010	1030348	EPA 6020	1030443
35894885008	**RE10(15)**	EPA 3010	1030348	EPA 6020	1030443
35894885009	**EQ Blank 072924**	EPA 3010	1030348	EPA 6020	1030443
35894885001	**RR5(60)**	EPA 7470	1030667	EPA 7470	1030700
35894885002	**RR5(60) Duplicate**	EPA 7470	1030667	EPA 7470	1030700
35894885003	**RR5(20)**	EPA 7470	1030667	EPA 7470	1030700
35894885004	**RR4(60)**	EPA 7470	1030667	EPA 7470	1030700
35894885005	**RR4(20)**	EPA 7470	1030667	EPA 7470	1030700
35894885006	**RE10(60)**	EPA 7470	1030667	EPA 7470	1030700
35894885007	**RE10(30)**	EPA 7470	1030667	EPA 7470	1030700
35894885008	**RE10(15)**	EPA 7470	1030667	EPA 7470	1030700
35894885009	**EQ Blank 072924**	EPA 7470	1030667	EPA 7470	1030700
35894885001	**RR5(60)**	EPA 8260	1029952		

REPORT OF LABORATORY ANALYSIS

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3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35894885002	**RR5(60) Duplicate**	EPA 8260	1029952		
35894885003	**RR5(20)**	EPA 8260	1029952		
35894885004	**RR4(60)**	EPA 8260	1030083		
35894885005	**RR4(20)**	EPA 8260	1030274		
35894885006	**RE10(60)**	EPA 8260	1030083		
35894885007	**RE10(30)**	EPA 8260	1030083		
35894885008	**RE10(15)**	EPA 8260	1030083		
35894885009	**EQ Blank 072924**	EPA 8260	1030083		
35894885001	**RR5(60)**	SM 2320B	1030181		
35894885002	**RR5(60) Duplicate**	SM 2320B	1030181		
35894885003	**RR5(20)**	SM 2320B	1030181		
35894885004	**RR4(60)**	SM 2320B	1030181		
35894885005	**RR4(20)**	SM 2320B	1030181		
35894885006	**RE10(60)**	SM 2320B	1030181		
35894885007	**RE10(30)**	SM 2320B	1030181		
35894885008	**RE10(15)**	SM 2320B	1030181		
35894885009	**EQ Blank 072924**	SM 2320B	1030181		
35894885001	**RR5(60)**	SM 2540C	1030046		
35894885002	**RR5(60) Duplicate**	SM 2540C	1030046		
35894885003	**RR5(20)**	SM 2540C	1030046		
35894885004	**RR4(60)**	SM 2540C	1030046		
35894885005	**RR4(20)**	SM 2540C	1030727		
35894885006	**RE10(60)**	SM 2540C	1030727		
35894885007	**RE10(30)**	SM 2540C	1030727		
35894885008	**RE10(15)**	SM 2540C	1030727		
35894885009	**EQ Blank 072924**	SM 2540C	1030727		
35894885001	**RR5(60)**	TKN-NH3 Calculation	1031543		
35894885002	**RR5(60) Duplicate**	TKN-NH3 Calculation	1031543		
35894885003	**RR5(20)**	TKN-NH3 Calculation	1031543		
35894885004	**RR4(60)**	TKN-NH3 Calculation	1031543		
35894885005	**RR4(20)**	TKN-NH3 Calculation	1031544		
35894885006	**RE10(60)**	TKN-NH3 Calculation	1031544		
35894885007	**RE10(30)**	TKN-NH3 Calculation	1031544		
35894885008	**RE10(15)**	TKN-NH3 Calculation	1031544		
35894885009	**EQ Blank 072924**	TKN-NH3 Calculation	1031544		
35894885001	**RR5(60)**	EPA 300.0	1030504		
35894885002	**RR5(60) Duplicate**	EPA 300.0	1030504		
35894885003	**RR5(20)**	EPA 300.0	1030504		
35894885004	**RR4(60)**	EPA 300.0	1030504		
35894885005	**RR4(20)**	EPA 300.0	1030504		
35894885006	**RE10(60)**	EPA 300.0	1030504		
35894885007	**RE10(30)**	EPA 300.0	1030504		
35894885008	**RE10(15)**	EPA 300.0	1030504		
35894885009	**EQ Blank 072924**	EPA 300.0	1030504		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35894885

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35894885001	**RR5(60)**	EPA 350.1	1030690		
35894885002	**RR5(60) Duplicate**	EPA 350.1	1030690		
35894885003	**RR5(20)**	EPA 350.1	1030690		
35894885004	**RR4(60)**	EPA 350.1	1030690		
35894885005	**RR4(20)**	EPA 350.1	1030690		
35894885006	**RE10(60)**	EPA 350.1	1030691		
35894885007	**RE10(30)**	EPA 350.1	1030691		
35894885008	**RE10(15)**	EPA 350.1	1030691		
35894885009	**EQ Blank 072924**	EPA 350.1	1030691		
35894885001	**RR5(60)**	EPA 351.2	1030089	EPA 351.2	1030679
35894885002	**RR5(60) Duplicate**	EPA 351.2	1030089	EPA 351.2	1030679
35894885003	**RR5(20)**	EPA 351.2	1030089	EPA 351.2	1030679
35894885004	**RR4(60)**	EPA 351.2	1030089	EPA 351.2	1030679
35894885005	**RR4(20)**	EPA 351.2	1030092	EPA 351.2	1030686
35894885006	**RE10(60)**	EPA 351.2	1030092	EPA 351.2	1030686
35894885007	**RE10(30)**	EPA 351.2	1030092	EPA 351.2	1030686
35894885008	**RE10(15)**	EPA 351.2	1030092	EPA 351.2	1030686
35894885009	**EQ Blank 072924**	EPA 351.2	1030092	EPA 351.2	1030686
35894885001	**RR5(60)**	EPA 353.2	1029979		
35894885002	**RR5(60) Duplicate**	EPA 353.2	1029979		
35894885003	**RR5(20)**	EPA 353.2	1029979		
35894885004	**RR4(60)**	EPA 353.2	1029979		
35894885005	**RR4(20)**	EPA 353.2	1029979		
35894885006	**RE10(60)**	EPA 353.2	1029979		
35894885007	**RE10(30)**	EPA 353.2	1029979		
35894885008	**RE10(15)**	EPA 353.2	1029979		
35894885009	**EQ Blank 072924**	EPA 353.2	1030240		
35894885001	**RR5(60)**	EPA 410.4	1030113	EPA 410.4	1030817
35894885002	**RR5(60) Duplicate**	EPA 410.4	1030113	EPA 410.4	1030817
35894885003	**RR5(20)**	EPA 410.4	1030113	EPA 410.4	1030817
35894885004	**RR4(60)**	EPA 410.4	1030113	EPA 410.4	1030817
35894885005	**RR4(20)**	EPA 410.4	1030113	EPA 410.4	1030817
35894885006	**RE10(60)**	EPA 410.4	1030113	EPA 410.4	1030817
35894885007	**RE10(30)**	EPA 410.4	1030113	EPA 410.4	1030817
35894885008	**RE10(15)**	EPA 410.4	1030113	EPA 410.4	1030817
35894885009	**EQ Blank 072924**	EPA 410.4	1030113	EPA 410.4	1030817
35894885001	**RR5(60)**	SM 5310B	1030052		
35894885002	**RR5(60) Duplicate**	SM 5310B	1030052		
35894885003	**RR5(20)**	SM 5310B	1030052		
35894885004	**RR4(60)**	SM 5310B	1030052		
35894885005	**RR4(20)**	SM 5310B	1030052		
35894885006	**RE10(60)**	SM 5310B	1030052		
35894885007	**RE10(30)**	SM 5310B	1030052		
35894885008	**RE10(15)**	SM 5310B	1030052		
35894885009	**EQ Blank 072924**	SM 5310B	1030052		

REPORT OF LABORATORY ANALYSIS

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

CHAIN-OF-CUSTODY Analytical Request Document

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

WO# : 35894885

35894885

Company Name:	Miami-Dade Department of Solid Waste Management
Street Address:	2525 NW 62, Miami, FL 33147
Customer Project #:	
Project Name:	FDEP 2nd Semiannual RRF
Site Collection Info/Facility ID (as applicable):	
Contact/Report To:	Mario Porcelli
Phone #:	(305)592-1187
E-Mail:	mario.porcelli@miamidade.gov
Cc E-Mail:	
Invoice To:	Mario Porcelli
Invoice E-Mail:	mario.porcelli@miamidade.gov
Purchase Order # (if applicable):	SW0000002055
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Florida

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

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:

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)

Specify Container Size **

Identify Container Preservative Type***: 4 8 4 1 2 3 1

**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) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	5310B TOC	8011 GCS EDB and DBCP	8260 MSV	Alkalinity, TDS	Metals 6010/6020/7470	NH3 TKN TON COD	NO2, NO3, CL	Sample Comment
RR5(60)					7/29/24	0748	11			X	X	X	X	X	X	X	
RR5(60)(Dup)						0748	11			X	X	X	X	X	X	X	
RR5(20)						0829	11			X	X	X	X	X	X	X	
RR4(60)						0924	11			X	X	X	X	X	X	X	
RR4(20)						1002	11			X	X	X	X	X	X	X	
RE10(60)						1104	11			X	X	X	X	X	X	X	
RE10(30)						1149	11			X	X	X	X	X	X	X	
RE10(15)						1221	11			X	X	X	X	X	X	X	
EQ Blank						1234	11			X	X	X	X	X	X	X	

Lab Use Only
Proj. Mgr: Rossy Guima
AcctNum / Client ID:
Table #:
Profile / Template: 3549
Prelog / Bottle Ord. ID: EZ 3128787

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By:
(Printed Name) Terrence Mond
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
pace	7/29/24 1357		7/29 1357	
Relinquished by/Company: (Signature)	Date/Time: 7/29 1830	Received by/Company: (Signature)	Date/Time: 7/29/24 2220	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: ~~RRST~~ RRF	SITE LOCATION: 6990 NW 97th Ave, Doral, FL 33178	
WELL NO: RRS(60)	SAMPLE ID: RRS(60)	DATE: 7/29/24

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:
2"	1/4		11.00	ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (60.0 feet – 11.00 feet) X 0.16 gallons/foot = 7.84 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):
13.0	13.0	0717	0747	12.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0737	8.0	8.0	0.40	11.01	6.97	27.9	2911	0.06/0.7%	1.65	clear	none
0742	2.0	10.0	"	"	6.96	27.9	2911	0.05/0.6%	1.13	"	"
0747	2.0	12.0	"	"	6.96	28.0	2912	0.04/0.5%	0.74	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Terrence Ward / Pace		0748	0800

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: ~~HDPE/S~~ HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
13.0			

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)
RRS(60)	6	CG	40mL	HCL	0	<2	8260 MSV	ESP	300
"	4	CG	40mL	HCL	"	<2	5310B TOC	"	"
"	4	CG	40mL	Na2S2O3	"	<2	8011 GCS EDB 504.1 DISCD	"	"
"	2	PE	500mL	Cool	"	6.96	Alkalinity, TDS	"	"
"	2	PE	250mL	H2SO4	"	<2	NH3 TKN TOX (Cl)	"	"
"	2	PE	250mL	HNO3	"	<2	MET RS 6010/6020/7470	"	"
REMARKS:	2	PE	250mL	Cool	"	6.96	NO2, NO3, Cl	"	"

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: RRF	SITE LOCATION: 6990 NW 97th Ave, Doral, FL 33178	
WELL NO: RRS(20)	SAMPLE ID: RRS(20)	DATE: 7/29/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.75	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 feet – 10.75 feet) X 0.16 gallons/foot = 1.48 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13.0	PURGING INITIATED AT: 0812	PURGING ENDED AT: 0828	TOTAL VOLUME PURGED (gallons): 2.4

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0822	1.5	1.5	0.15	10.75	6.95	28.8	2029	0.04/0.5%	1.12	clear	strong
0825	0.45	1.95	"	"	6.95	28.9	2024	0.03/0.4%	0.60	"	"
0828	0.45	2.4	"	"	6.95	28.9	2020	0.03/0.4%	0.43	"	"

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: Terrence Mondlpace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0829	SAMPLING ENDED AT: 0835
PUMP OR TUBING DEPTH IN WELL (feet): 13.0	TUBING MATERIAL CODE: HDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
RRS(20)	3	CG	40mL	HCL	0	<2	8260 MSV	APP	300
"	2	CG	40mL	HCL	"	<2	5310B TOC	"	"
"	2	CG	40mL	Na2S2O3	"	<2	8011 GLS EDB and DBCP	"	"
"	1	PE	500mL	Cool	"	6.95	Alkalinity, TDS	"	"
"	1	PE	250mL	H2SO4	"	<2	NH3 TKN TON (Cl)	"	"
"	1	PE	250mL	HNO3	"	<2	Metals 6010/6020/7470	"	"
REMARKS:	1	PE	250mL	Cool	"	6.95	NO2, NO3, Cl	"	"

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:	2RF	SITE LOCATION:	6490 NW 97th Ave, Doral, FL 33178
WELL NO:	2R4(60)	SAMPLE ID:	2R4(60)
DATE:	7/29/24		

PURGING DATA

WELL DIAMETER (inches):	2"	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet		STATIC DEPTH TO WATER (feet):	10.16	PURGE PUMP TYPE OR BAILER:	ESP

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

= (60.0 feet – 10.16 feet) X 0.16 gallons/foot = 7.9744 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	12.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	12.0	PURGING INITIATED AT:	0853	PURGING ENDED AT:	0923	TOTAL VOLUME PURGED (gallons):	12.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0913	8.0	8.0	0.40	10.18	7.07	28.4	1336	0.04/0.6%	0.34	clear	none
0918	2.0	10.0	"	"	7.06	28.3	1346	0.03/0.4%	0.10	"	"
0923	2.0	12.0	"	"	7.05	28.3	1351	0.03/0.4%	0.07	"	"

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:	Terrence Mond / pace	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	0924	SAMPLING ENDED AT:	0930
PUMP OR TUBING DEPTH IN WELL (feet):	12.0	TUBING MATERIAL CODE:	HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ____ µm	

FIELD DECONTAMINATION: PUMP Y (N) TUBING 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)
2R4(60)	3	CG	40mL	HCL	0	<2	8260 MSV	ESP	300
"	2	CG	40mL	HCL	"	<2	5310B TOC	"	"
"	2	CG	40mL	Na2S2O3	"	<2	SOIL GAS EDB and DBCP	"	"
"	1	PE	500mL	COOL	"	7.05	Alkalinity, TDS	"	"
"	1	PE	250mL	H2SO4	"	<2	NH3 TKN TON COD	"	"
"	1	PE	250mL	HNO3	"	<2	M200.8 6010/6020/7470	"	"
REMARKS:	1	PE	250mL	COOL	"	7.05	NO2, NO3, CL	"	"

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: RRF	SITE LOCATION: 6990 NW 97th Ave, ~~Doral~~ Doral, FL. 33178
WELL NO: RR4(20)	SAMPLE ID: RR4(20) DATE: 7/29/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 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)
= (20.0 feet – 10.30 feet) X 0.16 gallons/foot = 1.552 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.5	PURGING INITIATED AT: 0944	PURGING ENDED AT: 1001	TOTAL VOLUME PURGED (gallons): 2.55

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)
0955	1.65	1.65	0.15	10.30	6.89	29.8	1243	0.07/1.0%	0.51	clear	strong
0958	0.45	2.1	"	"	6.89	29.9	1246	0.06/0.9%	0.37	"	"
1001	0.45	2.55	"	"	6.89	29.8	1251	0.06/0.9%	0.16	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Terrence Mond / Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1002	SAMPLING ENDED AT: 1008
PUMP OR TUBING DEPTH IN WELL (feet): 12.5	TUBING MATERIAL CODE: HDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
RR4(20)	3	CG	40mL	HCL	0	<2	8260 MSV	APP	300
	2	CG	40mL	HCL		<2	5310B TOC		
	2	CG	40mL	Na2S2O3		<2	8011 (GC) EDB and DBCP		
	1	PE	500mL	Cool		6.89	Alkalinity, TDS		
	1	PE	250mL	H2SO4		<2	NH3 TKN TON COD		
	1	PE	250mL	HNO3		<2	Metals 6010/6020/7470		
REMARKS:	1	PE	250mL	Cool		6.89	NO2, NO3, CL		

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: RRF	SITE LOCATION: 6990 NW 97th Ave, Doral, FL 33178	
WELL NO: RE10(60)	SAMPLE ID: RE10(60)	DATE: 7/29/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.71	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (60.0 feet – 7.71 feet) X 0.16 gallons/foot = 8.3664 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0	PURGING INITIATED AT: 1030	PURGING ENDED AT: ~~10~~ 1103	TOTAL VOLUME PURGED (gallons): 13.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1051	8.4	8.4	0.40	7.73	7.08	27.6	621	0.03/0.4%	0.10	clear	Slight
1057	2.4	10.8	"	"	7.08	27.5	620	0.03/0.3%	0.04	"	"
1103	2.4	13.2	"	"	7.08	27.4	619	0.03/0.3%	0.02	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Terrence Mond / pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1104	SAMPLING ENDED AT: 1110
PUMP OR TUBING DEPTH IN WELL (feet): 10.0	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
RE10(60)	3	CG	40mL	HCL	0	<2	8260 MSV	ESP	300
"	2	CG	40mL	HCL	"	<2	5310B TOC	"	"
"	2	CG	40mL	Na2S2O3	"	<2	8011 GCS EDB and DBCP	"	"
"	1	PE	500mL	Cool	"	7.08	Alkalinity, TDS	"	"
"	1	PE	250mL	H2SO4	"	<2	NH3 TKN TOX COD	"	"
"	1	PE	250mL	HNO3	"	<2	Metals 6010/6020/7470	"	"
REMARKS:	1	PE	250mL	Cool	"	7.08	NO2, NO3, CL	"	"

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: RRF	SITE LOCATION: 6990 NW 97th Ave, Doral, FL 33178	
WELL NO: RE10(30)	SAMPLE ID: RE10(30)	DATE: 7/29/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.78	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)
= (30.0 feet – 7.78 feet) x 0.16 gallons/foot = 3.5552 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0	PURGING INITIATED AT: 1120	PURGING ENDED AT: 1148	TOTAL VOLUME PURGED (gallons): 5.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1138	3.6	3.6	0.20	7.79	7.07	28.2	726	0.02/0.3%	0.19	Clear	Slight
1143	1.0	4.6	"	"	7.07	28.1	726	0.02/0.2%	0.07	"	"
1148	1.0	5.6	"	"	7.08	28.0	729	0.02/0.2%	0.10	"	"

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: Terrence Mond/pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1149	SAMPLING ENDED AT: 1155
PUMP OR TUBING DEPTH IN WELL (feet): 10.0	TUBING MATERIAL CODE: HDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
RE10(30)	3	CG	40mL	HCL	0	<2	8260 MSV	APP	300
"	2	CG	40mL	HCL	"	<2	5310B TOC	"	"
"	2	CG	40mL	Na2S2O3	"	<2	8011 GCS EDB and DBCP	"	"
"	1	PE	500mL	Cool	"	7.08	Alkalinity, TDS	"	"
"	1	PE	250mL	H2SO4	"	<2	NH3 TKN TOTN COD	"	"
"	1	PE	250mL	HNO3	"	<2	Metals 6010/6020/7470	"	"
REMARKS:	1	PE	250mL	Cool	"	7.08	NO2, NO3, Cl	"	"

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: RRF	SITE LOCATION: 6990 NW 97th Ave, Doral, FL 33178	
WELL NO: RE10(15)	SAMPLE ID: RE10(15)	DATE: 7/29/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.85	PURGE PUMP TYPE OR BAILER: PP

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

= (15.0 feet – 6.85 feet) X 0.16 gallons/foot = 1.304 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.0	PURGING INITIATED AT: 1205	PURGING ENDED AT: 1220	TOTAL VOLUME PURGED (gallons): 2.25

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)
14	1.35	1.35	0.15	6.85	7.03	29.4	911	0.06/0.8%	0.74	clear	slight
17	0.45	1.8	"	"	7.04	29.5	916	0.05/0.6%	0.41	"	"
20	0.45	2.25	"	"	7.03	29.4	920	0.04/0.5%	0.30	"	"

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: Terrence Mond / pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1221	SAMPLING ENDED AT: 1227
PUMP OR TUBING DEPTH IN WELL (feet): 9.0	TUBING MATERIAL CODE: HDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
RE10(15)	3	CG	40mL	HCL	0	<2	8260 MSV	APP	300
"	2	CG	40mL	HCL	"	<2	5310B TOC	"	"
"	2	CG	40mL	Na2S2O3	"	<2	8011 @CS EDB and DBCP	"	"
"	1	PE	500mL	Cool	"	7.03	Alkalinity, TDS	"	"
"	1	PE	250mL	H2SO4	"	<2	NH3, TKN TOH COD	"	"
"	1	PE	250mL	HNO3	"	<2	Metals 6010/6020/7470	"	"
REMARKS:	1	PE	250mL	Cool	"	7.03	NO2, NO3, CL	"	"

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: RRF	SITE LOCATION: 6990 NW 97th Ave, Doral, FL 33178	
WELL NO: EQ Blank	SAMPLE ID: EQ Blank	DATE: 7/29/24

PURGING DATA

WELL DIAMETER (inches): N/A	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): N/A	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)
= (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)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 1.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 1.0	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 (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)

EQ 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: Terrence Mond / pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1234	SAMPLING ENDED AT: 1240
PUMP OR TUBING DEPTH IN WELL (feet): 1.0	TUBING MATERIAL CODE: HDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
EQ Blank	3	CG	40mL	HCL	0	<2	8260 MSV	APP	300
	2	CG	40mL	HCL		<2	53108 TOC		
	2	CG	40mL	NG25203		<2	8011 GCS EDB and DBCP		
	1	PE	500mL	C001		N/A	Alkalinity, TDS		
	1	PE	250mL	H2SO4		<2	NH3 TKN TON COD		
	1	PE	250mL	HNO3		<2	metals 6010/6020/7470		
REMARKS:	1	PE	250mL	C001		N/A	NO2, NO3, CL		

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

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

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

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

Pace

WO#: 35894885

PM: RYG **Due Date: 08/12/24**

CLIENT: 36-MDSWM

Project #

Project Manager:

Client:

Date and Initials of person:

Examining contents: _____

Verifying pH: _____

Thermometer Used: T-398 Date: 07/29/2024 Time: 1435 Initials: KD

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

Cooler #1 Temp.°C	4.1 (Visual)	-0.2 (Correction Factor)	3.9 (Actual)	☑Samples on ice, cooling process has begun.
Cooler #2 Temp.°C	2.1 (Visual)	-0.2 (Correction Factor)	1.9 (Actual)	☑Samples on ice, cooling process has begun.
Cooler #3 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	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: _____
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☐Yes	☐No	☑N/A	Lot / Trace: _____ Time: _____ Amount added (mL): _____ Initials: _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☐No	☑N/A	
Trip Blank Present:	☐Yes	☐No	☑N/A	

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

Labeled by: _____ **Reviewed by:** _____ **Delivered by:** _____

WO# : 35894885
PM: RYG Due Date: 08/12/24
CLIENT: 36-MDSWM

Pace

Project # (UR)
Project Manager:
Client:

Date and Initials of person: 7/30/24 TSI
Examining contents: TSI
Verifying pH: TSI

Thermometer Used: T-426 Date: 7/24/24 Time: 2257 Initials:

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

Cooler #1 Temp.°C 1.4 (Visual)	0 (Correction Factor)	1.4 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C 4.2 (Visual)	0 (Correction Factor)	4.2 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C _____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C _____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C _____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C _____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C _____ (Visual)	_____ (Correction Factor)	_____ (Actual)	**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**
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑Yes	☐No	☐N/A	**Preservative:** **Date:** **Lot / Trace:** **Time:** **Amount added (mL):** **Initials:**
Headspace in Volatile Vials? (>6mm):	☐Yes	☑No	☐N/A	
Trip Blank Present:	☐Yes	☑No	☐N/A	

Comments / Resolutions (use back for additional comments):

Labeled by: TSI **Reviewed by:** JHA **Delivered by:** JHA

Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

August 07, 2024

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

RE: Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on July 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
Arelys Roman, Miami-Dade Department of Solid Waste Management

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Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

CERTIFICATIONS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

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
Nevada Certification: FL NELAC Reciprocity
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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3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

SAMPLE SUMMARY

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35895095001	**NW46(60)**	Water	07/30/24 08:19	07/30/24 13:40
35895095002	**NW46(60) Duplicate**	Water	07/30/24 08:19	07/30/24 13:40
35895095003	**NW46(20)**	Water	07/30/24 09:01	07/30/24 13:40
35895095004	**NW18(60)**	Water	07/30/24 10:05	07/30/24 13:40
35895095005	**NW18(20)**	Water	07/30/24 10:41	07/30/24 13:40
35895095006	**RR17(20)**	Water	07/30/24 11:42	07/30/24 13:40
35895095007	**EQ Blank 073024**	Water	07/30/24 11:55	07/30/24 13:40

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Pompano Beach, FL 33064
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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35895095001	**NW46(60)**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35895095002	**NW46(60) Duplicate**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35895095003	**NW46(20)**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35895095004	**NW18(60)**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35895095005	**NW18(20)**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35895095006	**RR17(20)**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	AST	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	VAG	1	PASI-O
		TKN-NH3 Calculation	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35895095007	**EQ Blank 073024**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: NW46(60) **Lab ID: 35895095001** Collected: 07/30/24 08:19 Received: 07/30/24 13:40 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		07/30/24 08:19		
Field Temperature	**26.3**	deg C			1		07/30/24 08:19		
Field Specific Conductance	**523**	umhos/cm			1		07/30/24 08:19		
Oxygen, Dissolved	**0.03**	mg/L			1		07/30/24 08:19	7782-44-7	
Turbidity	**0.31**	NTU			1		07/30/24 08:19		
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	08/01/24 17:55	08/03/24 18:41	96-12-8	
1,2-Dibromoethane (EDB)	**0.0079 U**	ug/L	0.011	0.0079	1	08/01/24 17:55	08/03/24 18:41	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**17.5**	ug/L	10.0	0.84	1	08/02/24 02:35	08/02/24 16:01	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	08/02/24 02:35	08/02/24 16:01	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	08/02/24 02:35	08/02/24 16:01	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	08/02/24 02:35	08/02/24 16:01	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	08/02/24 02:35	08/02/24 16:01	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	08/02/24 02:35	08/02/24 16:01	7440-50-8	
Iron	**752**	ug/L	40.0	25.0	1	08/02/24 02:35	08/02/24 16:01	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	08/02/24 02:35	08/02/24 16:01	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:01	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	08/02/24 02:35	08/02/24 16:01	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:01	7440-22-4	
Sodium	**28.8**	mg/L	2.0	0.54	1	08/02/24 02:35	08/02/24 16:01	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	08/02/24 02:35	08/02/24 16:01	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	08/02/24 02:35	08/02/24 16:01	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	08/02/24 02:35	08/07/24 11:37	7440-36-0	
Arsenic	**0.86 I**	ug/L	1.0	0.50	1	08/02/24 02:35	08/07/24 11:37	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	08/02/24 02:35	08/07/24 11:37	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	08/01/24 08:31	08/01/24 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		07/31/24 13:15	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/31/24 13:15	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 13:15	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 13:15	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: NW46(60) **Lab ID: 35895095001** Collected: 07/30/24 08:19 Received: 07/30/24 13:40 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		07/31/24 13:15	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/31/24 13:15	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/31/24 13:15	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/31/24 13:15	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 13:15	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/31/24 13:15	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/31/24 13:15	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/31/24 13:15	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/31/24 13:15	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/31/24 13:15	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/31/24 13:15	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/31/24 13:15	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/31/24 13:15	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/31/24 13:15	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/31/24 13:15	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/31/24 13:15	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 13:15	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/31/24 13:15	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 13:15	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 13:15	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/31/24 13:15	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 13:15	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 13:15	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/31/24 13:15	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/31/24 13:15	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/31/24 13:15	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/31/24 13:15	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/31/24 13:15	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/31/24 13:15	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 13:15	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/31/24 13:15	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/31/24 13:15	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 13:15	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 13:15	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/31/24 13:15	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/31/24 13:15	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/31/24 13:15	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 13:15	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/31/24 13:15	75-01-4	J(v1)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/31/24 13:15	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/31/24 13:15	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/31/24 13:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/31/24 13:15	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		07/31/24 13:15	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: NW46(60) **Lab ID: 35895095001** Collected: 07/30/24 08:19 Received: 07/30/24 13:40 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		07/31/24 13:15	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**199**	mg/L	5.0	5.0	1		07/31/24 13:37		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**305**	mg/L	5.0	5.0	1		08/01/24 12:39		
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		08/06/24 18:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**40.8**	mg/L	5.0	2.5	1		08/02/24 05:49	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.87**	mg/L	0.050	0.035	1		08/06/24 12:01	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	**1.1**	mg/L	0.50	0.20	1	08/01/24 13:53	08/02/24 13:23	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, NO2 plus NO3	**0.019 I**	mg/L	0.050	0.015	1		07/31/24 09:32		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/31/24 09:32	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**28.0**	mg/L	20.0	12.5	1	07/31/24 11:19	08/04/24 16:23		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**10.4**	mg/L	1.0	0.50	1		07/31/24 23:58	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: NW46(60) Duplicate **Lab ID: 35895095002** Collected: 07/30/24 08:19 Received: 07/30/24 13:40 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		07/30/24 08:19		
Field Temperature	**26.3**	deg C			1		07/30/24 08:19		
Field Specific Conductance	**523**	umhos/cm			1		07/30/24 08:19		
Oxygen, Dissolved	**0.03**	mg/L			1		07/30/24 08:19	7782-44-7	
Turbidity	**0.31**	NTU			1		07/30/24 08:19		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0068 U**	ug/L	0.021	0.0068	1	08/01/24 17:55	08/03/24 19:05	96-12-8	
1,2-Dibromoethane (EDB)	**0.0079 U**	ug/L	0.011	0.0079	1	08/01/24 17:55	08/03/24 19:05	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**17.4**	ug/L	10.0	0.84	1	08/02/24 02:35	08/02/24 16:05	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	08/02/24 02:35	08/02/24 16:05	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	08/02/24 02:35	08/02/24 16:05	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	08/02/24 02:35	08/02/24 16:05	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	08/02/24 02:35	08/02/24 16:05	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	08/02/24 02:35	08/02/24 16:05	7440-50-8	
Iron	**751**	ug/L	40.0	25.0	1	08/02/24 02:35	08/02/24 16:05	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	08/02/24 02:35	08/02/24 16:05	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:05	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	08/02/24 02:35	08/02/24 16:05	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:05	7440-22-4	
Sodium	**28.9**	mg/L	2.0	0.54	1	08/02/24 02:35	08/02/24 16:05	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	08/02/24 02:35	08/02/24 16:05	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	08/02/24 02:35	08/02/24 16:05	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	08/02/24 02:35	08/07/24 11:40	7440-36-0	
Arsenic	**0.89 I**	ug/L	1.0	0.50	1	08/02/24 02:35	08/07/24 11:40	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	08/02/24 02:35	08/07/24 11:40	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	08/01/24 08:31	08/01/24 13:36	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		07/31/24 13:37	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/31/24 13:37	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 13:37	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 13:37	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: NW46(60) Duplicate **Lab ID: 35895095002** Collected: 07/30/24 08:19 Received: 07/30/24 13:40 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		07/31/24 13:37	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/31/24 13:37	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/31/24 13:37	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/31/24 13:37	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 13:37	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/31/24 13:37	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/31/24 13:37	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/31/24 13:37	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/31/24 13:37	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/31/24 13:37	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/31/24 13:37	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/31/24 13:37	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/31/24 13:37	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/31/24 13:37	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/31/24 13:37	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/31/24 13:37	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 13:37	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/31/24 13:37	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 13:37	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 13:37	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/31/24 13:37	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 13:37	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 13:37	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/31/24 13:37	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/31/24 13:37	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/31/24 13:37	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/31/24 13:37	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/31/24 13:37	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/31/24 13:37	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 13:37	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/31/24 13:37	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/31/24 13:37	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 13:37	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 13:37	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/31/24 13:37	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/31/24 13:37	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/31/24 13:37	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 13:37	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/31/24 13:37	75-01-4	J(v1)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/31/24 13:37	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/31/24 13:37	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/31/24 13:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		07/31/24 13:37	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		07/31/24 13:37	2037-26-5	

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(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: NW46(60) Duplicate **Lab ID: 35895095002** Collected: 07/30/24 08:19 Received: 07/30/24 13:40 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		07/31/24 13:37	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**197**	mg/L	5.0	5.0	1		07/31/24 14:01		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**287**	mg/L	5.0	5.0	1		08/01/24 12:39		
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		08/06/24 18:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**40.8**	mg/L	5.0	2.5	1		08/02/24 06:10	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.86**	mg/L	0.050	0.035	1		08/06/24 12:02	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	08/01/24 13:53	08/02/24 13:28	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, NO2 plus NO3	**0.15**	mg/L	0.050	0.015	1		07/31/24 09:33		
Nitrogen, Nitrate	**0.15**	mg/L	0.050	0.025	1		07/31/24 09:33	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**34.3**	mg/L	20.0	12.5	1	07/31/24 11:19	08/04/24 16:24		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**10.3**	mg/L	1.0	0.50	1		08/01/24 00:10	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: NW46(20) **Lab ID: 35895095003** Collected: 07/30/24 09:01 Received: 07/30/24 13:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.21**	Std. Units			1		07/30/24 09:01		
Field Temperature	**26.7**	deg C			1		07/30/24 09:01		
Field Specific Conductance	**454**	umhos/cm			1		07/30/24 09:01		
Oxygen, Dissolved	**0.02**	mg/L			1		07/30/24 09:01	7782-44-7	
Turbidity	**0.29**	NTU			1		07/30/24 09:01		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0068 U**	ug/L	0.021	0.0068	1	08/01/24 17:55	08/03/24 19:17	96-12-8	
1,2-Dibromoethane (EDB)	**0.0079 U**	ug/L	0.011	0.0079	1	08/01/24 17:55	08/03/24 19:17	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**17.1**	ug/L	10.0	0.84	1	08/02/24 02:35	08/02/24 16:08	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	08/02/24 02:35	08/02/24 16:08	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	08/02/24 02:35	08/02/24 16:08	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	08/02/24 02:35	08/02/24 16:08	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	08/02/24 02:35	08/02/24 16:08	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	08/02/24 02:35	08/02/24 16:08	7440-50-8	
Iron	**165**	ug/L	40.0	25.0	1	08/02/24 02:35	08/02/24 16:08	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	08/02/24 02:35	08/02/24 16:08	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:08	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	08/02/24 02:35	08/02/24 16:08	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:08	7440-22-4	
Sodium	**20.0**	mg/L	2.0	0.54	1	08/02/24 02:35	08/02/24 16:08	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	08/02/24 02:35	08/02/24 16:08	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	08/02/24 02:35	08/02/24 16:08	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	08/02/24 02:35	08/05/24 16:16	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	08/02/24 02:35	08/05/24 16:16	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	08/02/24 02:35	08/05/24 16:16	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	08/01/24 08:31	08/01/24 13:38	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		07/31/24 14:00	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/31/24 14:00	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 14:00	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 14:00	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: NW46(20) **Lab ID: 35895095003** Collected: 07/30/24 09:01 Received: 07/30/24 13:40 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		07/31/24 14:00	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/31/24 14:00	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/31/24 14:00	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/31/24 14:00	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 14:00	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/31/24 14:00	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/31/24 14:00	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/31/24 14:00	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/31/24 14:00	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/31/24 14:00	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/31/24 14:00	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/31/24 14:00	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/31/24 14:00	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/31/24 14:00	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/31/24 14:00	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/31/24 14:00	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 14:00	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/31/24 14:00	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 14:00	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 14:00	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/31/24 14:00	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 14:00	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 14:00	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/31/24 14:00	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/31/24 14:00	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/31/24 14:00	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/31/24 14:00	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/31/24 14:00	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/31/24 14:00	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 14:00	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/31/24 14:00	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/31/24 14:00	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 14:00	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 14:00	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/31/24 14:00	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/31/24 14:00	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/31/24 14:00	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 14:00	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/31/24 14:00	75-01-4	J(v1)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/31/24 14:00	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/31/24 14:00	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/31/24 14:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		07/31/24 14:00	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		07/31/24 14:00	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: NW46(20) **Lab ID: 35895095003** Collected: 07/30/24 09:01 Received: 07/30/24 13:40 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		07/31/24 14:00	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**186**	mg/L	5.0	5.0	1		07/31/24 14:14		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**238**	mg/L	5.0	5.0	1		08/01/24 12:39		
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		08/06/24 18:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**26.0**	mg/L	5.0	2.5	1		08/02/24 06:32	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		08/06/24 12:04	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	08/01/24 13:53	08/02/24 13:30	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, NO2 plus NO3	**0.039 I**	mg/L	0.050	0.015	1		07/31/24 09:34		
Nitrogen, Nitrate	**0.039 I**	mg/L	0.050	0.025	1		07/31/24 09:34	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**22.6**	mg/L	20.0	12.5	1	07/31/24 11:19	08/04/24 16:24		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**8.7**	mg/L	1.0	0.50	1		08/01/24 00:22	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: NW18(60) **Lab ID: 35895095004** Collected: 07/30/24 10:05 Received: 07/30/24 13:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.14**	Std. Units			1		07/30/24 10:05		
Field Temperature	**27.1**	deg C			1		07/30/24 10:05		
Field Specific Conductance	**572**	umhos/cm			1		07/30/24 10:05		
Oxygen, Dissolved	**0.07**	mg/L			1		07/30/24 10:05	7782-44-7	
Turbidity	**0.26**	NTU			1		07/30/24 10:05		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0068 U**	ug/L	0.021	0.0068	1	08/01/24 17:55	08/03/24 19:41	96-12-8	
1,2-Dibromoethane (EDB)	**0.0080 U**	ug/L	0.011	0.0080	1	08/01/24 17:55	08/03/24 19:41	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**18.4**	ug/L	10.0	0.84	1	08/02/24 02:35	08/02/24 16:19	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	08/02/24 02:35	08/02/24 16:19	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	08/02/24 02:35	08/02/24 16:19	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	08/02/24 02:35	08/02/24 16:19	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	08/02/24 02:35	08/02/24 16:19	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	08/02/24 02:35	08/02/24 16:19	7440-50-8	
Iron	**750**	ug/L	40.0	25.0	1	08/02/24 02:35	08/02/24 16:19	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	08/02/24 02:35	08/02/24 16:19	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:19	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	08/02/24 02:35	08/02/24 16:19	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:19	7440-22-4	
Sodium	**32.7**	mg/L	2.0	0.54	1	08/02/24 02:35	08/02/24 16:19	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	08/02/24 02:35	08/02/24 16:19	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	08/02/24 02:35	08/02/24 16:19	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	08/02/24 02:35	08/05/24 16:20	7440-36-0	
Arsenic	**2.0**	ug/L	1.0	0.50	1	08/02/24 02:35	08/05/24 16:20	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	08/02/24 02:35	08/05/24 16:20	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	08/01/24 08:31	08/01/24 13:41	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		08/01/24 02:05	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		08/01/24 02:05	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 02:05	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		08/01/24 02:05	74-97-5	

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(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: NW18(60) **Lab ID: 35895095004** Collected: 07/30/24 10:05 Received: 07/30/24 13:40 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		08/01/24 02:05	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		08/01/24 02:05	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		08/01/24 02:05	74-83-9	
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		08/01/24 02:05	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		08/01/24 02:05	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		08/01/24 02:05	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		08/01/24 02:05	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		08/01/24 02:05	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		08/01/24 02:05	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		08/01/24 02:05	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		08/01/24 02:05	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		08/01/24 02:05	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		08/01/24 02:05	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		08/01/24 02:05	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		08/01/24 02:05	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		08/01/24 02:05	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		08/01/24 02:05	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		08/01/24 02:05	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		08/01/24 02:05	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		08/01/24 02:05	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		08/01/24 02:05	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		08/01/24 02:05	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 02:05	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		08/01/24 02:05	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		08/01/24 02:05	74-88-4	
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		08/01/24 02:05	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		08/01/24 02:05	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		08/01/24 02:05	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		08/01/24 02:05	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		08/01/24 02:05	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		08/01/24 02:05	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		08/01/24 02:05	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 02:05	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 02:05	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		08/01/24 02:05	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		08/01/24 02:05	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		08/01/24 02:05	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		08/01/24 02:05	108-05-4	J(v2)
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		08/01/24 02:05	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		08/01/24 02:05	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		08/01/24 02:05	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		08/01/24 02:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		08/01/24 02:05	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		08/01/24 02:05	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: NW18(60) **Lab ID: 35895095004** Collected: 07/30/24 10:05 Received: 07/30/24 13:40 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)	95	%	70-130		1		08/01/24 02:05	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		07/31/24 14:26		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**302**	mg/L	5.0	5.0	1		08/01/24 12:39		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach								
Total Organic Nitrogen	**0.29**	**I** mg/L	0.50	0.20	1		08/06/24 18:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**49.5**	mg/L	5.0	2.5	1		08/02/24 06:53	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.78**	mg/L	0.050	0.035	1		08/06/24 12:05	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	**1.1**	mg/L	0.50	0.20	1	08/01/24 13:53	08/02/24 13:31	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		07/31/24 09:36		
Nitrogen, Nitrate	**0.025**	**U** mg/L	0.050	0.025	1		07/31/24 09:36	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**31.2**	mg/L	20.0	12.5	1	07/31/24 11:19	08/04/24 16:24		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**11.7**	mg/L	1.0	0.50	1		08/01/24 00:33	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: NW18(20) **Lab ID: 35895095005** Collected: 07/30/24 10:41 Received: 07/30/24 13:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.21**	Std. Units			1		07/30/24 10:41		
Field Temperature	**27.9**	deg C			1		07/30/24 10:41		
Field Specific Conductance	**473**	umhos/cm			1		07/30/24 10:41		
Oxygen, Dissolved	**0.10**	mg/L			1		07/30/24 10:41	7782-44-7	
Turbidity	**0.37**	NTU			1		07/30/24 10:41		
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	08/01/24 17:55	08/03/24 19:54	96-12-8	
1,2-Dibromoethane (EDB)	**0.0078 U**	ug/L	0.010	0.0078	1	08/01/24 17:55	08/03/24 19:54	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**21.1**	ug/L	10.0	0.84	1	08/02/24 02:35	08/02/24 16:33	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	08/02/24 02:35	08/02/24 16:33	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	08/02/24 02:35	08/02/24 16:33	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	08/02/24 02:35	08/02/24 16:33	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	08/02/24 02:35	08/02/24 16:33	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	08/02/24 02:35	08/02/24 16:33	7440-50-8	
Iron	**76.1**	ug/L	40.0	25.0	1	08/02/24 02:35	08/02/24 16:33	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	08/02/24 02:35	08/02/24 16:33	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:33	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	08/02/24 02:35	08/02/24 16:33	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:33	7440-22-4	
Sodium	**21.5**	mg/L	2.0	0.54	1	08/02/24 02:35	08/02/24 16:33	7440-23-5	
Vanadium	**1.3 I**	ug/L	10.0	1.0	1	08/02/24 02:35	08/02/24 16:33	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	08/02/24 02:35	08/02/24 16:33	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	08/02/24 02:35	08/05/24 16:25	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	08/02/24 02:35	08/05/24 16:25	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	08/02/24 02:35	08/05/24 16:25	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	08/04/24 12:13	08/05/24 09:19	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		08/01/24 02:28	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		08/01/24 02:28	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 02:28	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		08/01/24 02:28	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: NW18(20) **Lab ID: 35895095005** Collected: 07/30/24 10:41 Received: 07/30/24 13:40 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		08/01/24 02:28	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		08/01/24 02:28	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		08/01/24 02:28	74-83-9	
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		08/01/24 02:28	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		08/01/24 02:28	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		08/01/24 02:28	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		08/01/24 02:28	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		08/01/24 02:28	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		08/01/24 02:28	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		08/01/24 02:28	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		08/01/24 02:28	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		08/01/24 02:28	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		08/01/24 02:28	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		08/01/24 02:28	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		08/01/24 02:28	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		08/01/24 02:28	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		08/01/24 02:28	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		08/01/24 02:28	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		08/01/24 02:28	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		08/01/24 02:28	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		08/01/24 02:28	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		08/01/24 02:28	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 02:28	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		08/01/24 02:28	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		08/01/24 02:28	74-88-4	
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		08/01/24 02:28	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		08/01/24 02:28	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		08/01/24 02:28	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		08/01/24 02:28	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		08/01/24 02:28	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		08/01/24 02:28	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		08/01/24 02:28	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 02:28	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 02:28	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		08/01/24 02:28	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		08/01/24 02:28	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		08/01/24 02:28	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		08/01/24 02:28	108-05-4	J(v2)
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		08/01/24 02:28	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		08/01/24 02:28	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		08/01/24 02:28	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		08/01/24 02:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		08/01/24 02:28	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		08/01/24 02:28	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: NW18(20) **Lab ID: 35895095005** Collected: 07/30/24 10:41 Received: 07/30/24 13:40 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)	96	%	70-130		1		08/01/24 02:28	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		07/31/24 14:39		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**268**	mg/L	5.0	5.0	1		08/01/24 12:39		
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		08/06/24 18:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**29.7**	mg/L	5.0	2.5	1		08/02/24 07:15	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		08/06/24 12:07	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	**0.84**	mg/L	0.50	0.20	1	08/01/24 13:53	08/02/24 13:32	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		07/31/24 09:38		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/31/24 09:38	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**22.0**	mg/L	20.0	12.5	1	07/31/24 11:19	08/04/24 16:24		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**7.3**	mg/L	1.0	0.50	1		08/01/24 01:30	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: RR17(20) **Lab ID: 35895095006** Collected: 07/30/24 11:42 Received: 07/30/24 13:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.17**	Std. Units			1		07/30/24 11:42		
Field Temperature	**30.0**	deg C			1		07/30/24 11:42		
Field Specific Conductance	**516**	umhos/cm			1		07/30/24 11:42		
Oxygen, Dissolved	**0.05**	mg/L			1		07/30/24 11:42	7782-44-7	
Turbidity	**0.74**	NTU			1		07/30/24 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	**0.0067 U**	ug/L	0.021	0.0067	1	08/01/24 17:55	08/03/24 20:06	96-12-8	
1,2-Dibromoethane (EDB)	**0.0079 U**	ug/L	0.010	0.0079	1	08/01/24 17:55	08/03/24 20:06	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**18.1**	ug/L	10.0	0.84	1	08/02/24 02:35	08/02/24 16:37	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	08/02/24 02:35	08/02/24 16:37	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	08/02/24 02:35	08/02/24 16:37	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	08/02/24 02:35	08/02/24 16:37	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	08/02/24 02:35	08/02/24 16:37	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	08/02/24 02:35	08/02/24 16:37	7440-50-8	
Iron	**409**	ug/L	40.0	25.0	1	08/02/24 02:35	08/02/24 16:37	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	08/02/24 02:35	08/02/24 16:37	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:37	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	08/02/24 02:35	08/02/24 16:37	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:37	7440-22-4	
Sodium	**25.0**	mg/L	2.0	0.54	1	08/02/24 02:35	08/02/24 16:37	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	08/02/24 02:35	08/02/24 16:37	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	08/02/24 02:35	08/02/24 16:37	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	08/02/24 02:35	08/05/24 16:29	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	08/02/24 02:35	08/05/24 16:29	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	08/02/24 02:35	08/05/24 16:29	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	08/04/24 12:13	08/05/24 09:26	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		08/01/24 02:50	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		08/01/24 02:50	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 02:50	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		08/01/24 02:50	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: RR17(20) **Lab ID: 35895095006** Collected: 07/30/24 11:42 Received: 07/30/24 13:40 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		08/01/24 02:50	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		08/01/24 02:50	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		08/01/24 02:50	74-83-9	
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		08/01/24 02:50	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		08/01/24 02:50	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		08/01/24 02:50	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		08/01/24 02:50	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		08/01/24 02:50	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		08/01/24 02:50	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		08/01/24 02:50	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		08/01/24 02:50	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		08/01/24 02:50	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		08/01/24 02:50	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		08/01/24 02:50	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		08/01/24 02:50	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		08/01/24 02:50	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		08/01/24 02:50	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		08/01/24 02:50	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		08/01/24 02:50	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		08/01/24 02:50	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		08/01/24 02:50	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		08/01/24 02:50	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 02:50	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		08/01/24 02:50	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		08/01/24 02:50	74-88-4	
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		08/01/24 02:50	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		08/01/24 02:50	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		08/01/24 02:50	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		08/01/24 02:50	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		08/01/24 02:50	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		08/01/24 02:50	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		08/01/24 02:50	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 02:50	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 02:50	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		08/01/24 02:50	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		08/01/24 02:50	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		08/01/24 02:50	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		08/01/24 02:50	108-05-4	J(v1)
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		08/01/24 02:50	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		08/01/24 02:50	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		08/01/24 02:50	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		08/01/24 02:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		08/01/24 02:50	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		08/01/24 02:50	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: RR17(20) **Lab ID: 35895095006** Collected: 07/30/24 11:42 Received: 07/30/24 13:40 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)	94	%	70-130		1		08/01/24 02:50	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**199**	mg/L	5.0	5.0	1		07/31/24 14:51		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**281**	mg/L	5.0	5.0	1		08/01/24 12:39		
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		08/06/24 18:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**37.5**	mg/L	5.0	2.5	1		08/02/24 07:36	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		08/06/24 12:09	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	**0.96**	mg/L	0.50	0.20	1	08/01/24 13:53	08/02/24 13:33	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, NO2 plus NO3	**0.024 I**	mg/L	0.050	0.015	1		07/31/24 09:40		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/31/24 09:40	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**22.3**	mg/L	20.0	12.5	1	07/31/24 11:19	08/04/24 16:24		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**7.8**	mg/L	1.0	0.50	1		08/01/24 02:15	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: EQ Blank 073024 **Lab ID: 35895095007** Collected: 07/30/24 11:55 Received: 07/30/24 13:40 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	**0.0066 U**	ug/L	0.021	0.0066	1	08/01/24 17:55	08/03/24 20:30	96-12-8	
1,2-Dibromoethane (EDB)	**0.0078 U**	ug/L	0.010	0.0078	1	08/01/24 17:55	08/03/24 20:30	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	08/02/24 02:35	08/02/24 16:40	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	08/02/24 02:35	08/02/24 16:40	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	08/02/24 02:35	08/02/24 16:40	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	08/02/24 02:35	08/02/24 16:40	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	08/02/24 02:35	08/02/24 16:40	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	08/02/24 02:35	08/02/24 16:40	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	08/02/24 02:35	08/02/24 16:40	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	08/02/24 02:35	08/02/24 16:40	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:40	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	08/02/24 02:35	08/02/24 16:40	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:40	7440-22-4	
Sodium	**0.54 U**	mg/L	2.0	0.54	1	08/02/24 02:35	08/02/24 16:40	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	08/02/24 02:35	08/02/24 16:40	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	08/02/24 02:35	08/02/24 16:40	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	08/02/24 02:35	08/06/24 11:37	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	08/02/24 02:35	08/06/24 11:37	7440-38-2	
Thallium	**0.21 I**	ug/L	1.0	0.11	1	08/02/24 02:35	08/06/24 11:37	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	08/04/24 12:13	08/05/24 09:28	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**15.0 I**	ug/L	25.0	8.7	1		07/31/24 23:29	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/31/24 23:29	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 23:29	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 23:29	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		07/31/24 23:29	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/31/24 23:29	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/31/24 23:29	74-83-9	
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/31/24 23:29	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 23:29	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/31/24 23:29	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/31/24 23:29	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/31/24 23:29	75-00-3	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: EQ Blank 073024 **Lab ID: 35895095007** Collected: 07/30/24 11:55 Received: 07/30/24 13:40 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		07/31/24 23:29	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/31/24 23:29	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/31/24 23:29	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/31/24 23:29	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/31/24 23:29	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/31/24 23:29	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/31/24 23:29	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/31/24 23:29	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 23:29	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/31/24 23:29	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 23:29	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 23:29	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/31/24 23:29	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 23:29	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 23:29	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/31/24 23:29	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/31/24 23:29	74-88-4	
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/31/24 23:29	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/31/24 23:29	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/31/24 23:29	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/31/24 23:29	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 23:29	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/31/24 23:29	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/31/24 23:29	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 23:29	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 23:29	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/31/24 23:29	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/31/24 23:29	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/31/24 23:29	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 23:29	108-05-4	J(v2)
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/31/24 23:29	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/31/24 23:29	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/31/24 23:29	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/31/24 23:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		07/31/24 23:29	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		07/31/24 23:29	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	94	%	70-130		1		07/31/24 23:29	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		07/31/24 15:04		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Sample: EQ Blank 073024 **Lab ID: 35895095007** Collected: 07/30/24 11:55 Received: 07/30/24 13:40 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		08/01/24 12:39		
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		08/06/24 18:41		
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		08/02/24 07:57	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.041 I**	mg/L	0.050	0.035	1		08/06/24 12:10	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	08/01/24 13:53	08/02/24 13:34	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		07/31/24 09:51		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/31/24 09:51	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	07/31/24 11:19	08/04/24 16:24		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**0.50 U**	mg/L	1.0	0.50	1		08/01/24 02:27	7440-44-0	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

QC Batch: 1030667
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004

METHOD BLANK: 5663457 Matrix: Water
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.14 U	0.20	0.14	08/01/24 12:34	

LABORATORY CONTROL SAMPLE: 5663458

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5663459 5663460

Parameter	Units	35894664001 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	100	99	75-125	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

QC Batch: 1031332
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895095005, 35895095006, 35895095007

METHOD BLANK: 5667346 Matrix: Water
Associated Lab Samples: 35895095005, 35895095006, 35895095007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.14 U	0.20	0.14	08/05/24 08:58	

LABORATORY CONTROL SAMPLE: 5667347

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.1	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5667348 5667349

Parameter	Units	35894072001 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	1.8	2.0	92	98	75-125	7	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

QC Batch: 1030946
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

METHOD BLANK: 5664726 Matrix: Water
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	08/02/24 14:55	
Beryllium	ug/L	0.17 U	4.0	0.17	08/02/24 14:55	
Cadmium	ug/L	0.33 U	1.0	0.33	08/02/24 14:55	
Chromium	ug/L	1.7 U	5.0	1.7	08/02/24 14:55	
Cobalt	ug/L	0.96 U	10.0	0.96	08/02/24 14:55	
Copper	ug/L	2.6 U	5.0	2.6	08/02/24 14:55	
Iron	ug/L	25.0 U	40.0	25.0	08/02/24 14:55	
Lead	ug/L	2.1 U	10.0	2.1	08/02/24 14:55	
Nickel	ug/L	1.0 U	5.0	1.0	08/02/24 14:55	
Selenium	ug/L	3.9 U	15.0	3.9	08/02/24 14:55	
Silver	ug/L	1.0 U	5.0	1.0	08/02/24 14:55	
Sodium	mg/L	0.54 U	2.0	0.54	08/02/24 14:55	
Vanadium	ug/L	1.0 U	10.0	1.0	08/02/24 14:55	
Zinc	ug/L	11.0 U	20.0	11.0	08/02/24 14:55	

LABORATORY CONTROL SAMPLE: 5664727

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	266	107	80-120	
Beryllium	ug/L	25	25.3	101	80-120	
Cadmium	ug/L	25	25.1	100	80-120	
Chromium	ug/L	250	249	100	80-120	
Cobalt	ug/L	250	253	101	80-120	
Copper	ug/L	250	257	103	80-120	
Iron	ug/L	2500	2550	102	80-120	
Lead	ug/L	250	257	103	80-120	
Nickel	ug/L	250	256	102	80-120	
Selenium	ug/L	250	243	97	80-120	
Silver	ug/L	25	25.4	101	80-120	
Sodium	mg/L	12.5	12.7	102	80-120	
Vanadium	ug/L	250	261	104	80-120	
Zinc	ug/L	1250	1230	99	80-120	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5664728 5664729

Parameter	Units	35895095004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	18.4	250	250	283	284	106	106	75-125	0	20	
Beryllium	ug/L	0.17 U	25	25	25.4	25.7	102	103	75-125	1	20	
Cadmium	ug/L	0.33 U	25	25	24.4	24.6	98	98	75-125	1	20	
Chromium	ug/L	1.7 U	250	250	255	254	102	101	75-125	0	20	
Cobalt	ug/L	0.96 U	250	250	250	253	100	101	75-125	1	20	
Copper	ug/L	2.6 U	250	250	256	259	103	104	75-125	1	20	
Iron	ug/L	750	2500	2500	3310	3330	102	103	75-125	1	20	
Lead	ug/L	2.1 U	250	250	252	255	101	102	75-125	1	20	
Nickel	ug/L	1.0 U	250	250	253	256	101	102	75-125	1	20	
Selenium	ug/L	3.9 U	250	250	236	241	94	96	75-125	2	20	
Silver	ug/L	1.0 U	25	25	26.0	25.9	103	103	75-125	0	20	
Sodium	mg/L	32.7	12.5	12.5	44.6	44.4	96	94	75-125	0	20	
Vanadium	ug/L	1.0 U	250	250	264	267	105	106	75-125	1	20	
Zinc	ug/L	11.0 U	1250	1250	1220	1230	98	98	75-125	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

QC Batch: 1030945
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

METHOD BLANK: 5664722 Matrix: Water
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	08/05/24 15:06	
Arsenic	ug/L	0.50 U	1.0	0.50	08/05/24 15:06	
Thallium	ug/L	0.11 U	1.0	0.11	08/05/24 15:06	

LABORATORY CONTROL SAMPLE: 5664723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	48.1	96	80-120	
Arsenic	ug/L	50	52.7	105	80-120	
Thallium	ug/L	50	47.1	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5664724 5664725

Parameter	Units	35894123001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	48.6	47.9	97	96	75-125	1	20	
Arsenic	ug/L	0.50 U	50	50	52.3	52.2	104	104	75-125	0	20	
Thallium	ug/L	0.11 U	50	50	46.5	47.9	93	96	75-125	3	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

QC Batch: 1030337
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895095001, 35895095002, 35895095003

METHOD BLANK: 5661731 Matrix: Water
Associated Lab Samples: 35895095001, 35895095002, 35895095003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	07/31/24 09:53	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/31/24 09:53	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	07/31/24 09:53	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/31/24 09:53	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	07/31/24 09:53	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	07/31/24 09:53	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	07/31/24 09:53	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	07/31/24 09:53	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	07/31/24 09:53	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	07/31/24 09:53	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	07/31/24 09:53	
2-Hexanone	ug/L	6.6 U	25.0	6.6	07/31/24 09:53	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	07/31/24 09:53	
Acetone	ug/L	8.7 U	25.0	8.7	07/31/24 09:53	J(v1)
Acrylonitrile	ug/L	3.7 U	20.0	3.7	07/31/24 09:53	
Benzene	ug/L	0.30 U	1.0	0.30	07/31/24 09:53	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	07/31/24 09:53	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	07/31/24 09:53	
Bromoform	ug/L	0.48 U	3.0	0.48	07/31/24 09:53	
Bromomethane	ug/L	3.9 U	10.0	3.9	07/31/24 09:53	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	07/31/24 09:53	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	07/31/24 09:53	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	07/31/24 09:53	
Chloroethane	ug/L	3.7 U	10.0	3.7	07/31/24 09:53	
Chloroform	ug/L	0.56 U	1.0	0.56	07/31/24 09:53	
Chloromethane	ug/L	0.43 U	1.0	0.43	07/31/24 09:53	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	07/31/24 09:53	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	07/31/24 09:53	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	07/31/24 09:53	
Dibromomethane	ug/L	0.68 U	2.0	0.68	07/31/24 09:53	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	07/31/24 09:53	
Iodomethane	ug/L	3.6 U	10.0	3.6	07/31/24 09:53	J(v2)
m&p-Xylene	ug/L	0.75 U	4.0	0.75	07/31/24 09:53	
Methylene Chloride	ug/L	1.7 U	5.0	1.7	07/31/24 09:53	J(v1)
o-Xylene	ug/L	0.57 U	1.0	0.57	07/31/24 09:53	
Styrene	ug/L	0.26 U	1.0	0.26	07/31/24 09:53	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	07/31/24 09:53	
Toluene	ug/L	0.33 U	1.0	0.33	07/31/24 09:53	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	07/31/24 09:53	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	07/31/24 09:53	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

METHOD BLANK: 5661731 Matrix: Water
Associated Lab Samples: 35895095001, 35895095002, 35895095003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	07/31/24 09:53	J(v2)
Trichloroethene	ug/L	0.36 U	1.0	0.36	07/31/24 09:53	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	07/31/24 09:53	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	07/31/24 09:53	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	07/31/24 09:53	J(v1)
Xylene (Total)	ug/L	2.1 U	5.0	2.1	07/31/24 09:53	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130		07/31/24 09:53	
4-Bromofluorobenzene (S)	%	95	70-130		07/31/24 09:53	
Toluene-d8 (S)	%	103	70-130		07/31/24 09:53	

LABORATORY CONTROL SAMPLE: 5661732

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.0	90	70-130	
1,1,1-Trichloroethane	ug/L	20	19.8	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.2	96	68-125	
1,1,2-Trichloroethane	ug/L	20	18.5	93	70-130	
1,1-Dichloroethane	ug/L	20	21.0	105	70-130	
1,1-Dichloroethene	ug/L	20	21.1	106	66-133	
1,2,3-Trichloropropane	ug/L	20	20.3	101	62-127	
1,2-Dichlorobenzene	ug/L	20	19.2	96	70-130	
1,2-Dichloropropane	ug/L	20	20.8	104	70-130	
1,4-Dichlorobenzene	ug/L	20	19.7	99	70-130	
2-Butanone (MEK)	ug/L	100	92.4	92	47-143	
2-Hexanone	ug/L	100	104	104	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	101	101	57-132	
Acetone	ug/L	100	121	121	46-148	J(v1)
Acrylonitrile	ug/L	100	106	106	60-143	
Benzene	ug/L	20	20.1	100	70-130	
Bromochloromethane	ug/L	20	19.7	98	70-130	
Bromodichloromethane	ug/L	20	20.0	100	70-130	
Bromoform	ug/L	20	17.0	85	49-126	
Bromomethane	ug/L	20	4.1 I	21	10-165	J(v3)
Carbon disulfide	ug/L	20	20.5	103	60-141	
Carbon tetrachloride	ug/L	20	19.2	96	63-126	
Chlorobenzene	ug/L	20	19.3	96	70-130	
Chloroethane	ug/L	20	21.0	105	71-142	
Chloroform	ug/L	20	19.7	98	70-130	
Chloromethane	ug/L	20	21.3	107	40-140	
cis-1,2-Dichloroethene	ug/L	20	20.9	105	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.0	95	70-130	
Dibromochloromethane	ug/L	20	18.7	93	62-118	
Dibromomethane	ug/L	20	18.0	90	70-130	
Ethylbenzene	ug/L	20	19.3	96	70-130	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

LABORATORY CONTROL SAMPLE: 5661732

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	3.6 U	13	10-164	J(v3)
m&p-Xylene	ug/L	40	39.3	98	70-130	
Methylene Chloride	ug/L	20	24.5	123	65-136	J(v1)
o-Xylene	ug/L	20	19.4	97	70-130	
Styrene	ug/L	20	19.3	96	70-130	
Tetrachloroethene	ug/L	20	18.9	94	64-134	
Toluene	ug/L	20	19.3	97	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.8	109	68-127	
trans-1,3-Dichloropropene	ug/L	20	19.4	97	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	13.3	66	42-129	J(v3)
Trichloroethene	ug/L	20	19.0	95	70-130	
Trichlorofluoromethane	ug/L	20	19.3	97	65-135	
Vinyl acetate	ug/L	20	16.7	83	60-144	
Vinyl chloride	ug/L	20	24.6	123	68-131	J(v1)
Xylene (Total)	ug/L	60	58.7	98	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 5661734

Parameter	Units	35895108002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	15.5	77	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	17.9	89	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	15.7	78	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	15.9	80	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	18.9	94	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	18.5	92	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	16.8	84	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	14.0	70	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	18.3	91	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	14.5	72	70-130	
2-Butanone (MEK)	ug/L	6.7 U	100	99.5	100	47-143	
2-Hexanone	ug/L	6.6 U	100	98.6	99	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	95.4	95	57-132	
Acetone	ug/L	8.7 U	100	124	124	46-148	J(v1)
Acrylonitrile	ug/L	3.7 U	100	104	104	60-143	
Benzene	ug/L	0.30 U	20	17.8	89	70-130	
Bromochloromethane	ug/L	0.37 U	20	17.5	87	70-130	
Bromodichloromethane	ug/L	0.19 U	20	18.0	90	70-130	
Bromoform	ug/L	0.48 U	20	14.4	72	49-126	
Bromomethane	ug/L	3.9 U	20	3.9 U	14	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	17.8	89	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	17.1	85	63-126	
Chlorobenzene	ug/L	0.35 U	20	15.4	77	70-130	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

MATRIX SPIKE SAMPLE: 5661734

Parameter	Units	35895108002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	3.7 U	20	19.1	96	71-142	
Chloroform	ug/L	0.56 U	20	17.2	86	70-130	
Chloromethane	ug/L	0.43 U	20	17.3	86	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	18.5	93	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	15.5	78	70-130	
Dibromochloromethane	ug/L	0.45 U	20	15.7	79	62-118	
Dibromomethane	ug/L	0.68 U	20	16.3	82	70-130	
Ethylbenzene	ug/L	0.30 U	20	15.3	76	70-130	
Iodomethane	ug/L	3.6 U	20	3.6 U	14	10-164	J(v3)
m&p-Xylene	ug/L	0.75 U	40	30.5	76	70-130	
Methylene Chloride	ug/L	1.7 U	20	21.5	107	65-136	J(v1)
o-Xylene	ug/L	0.57 U	20	15.4	77	70-130	
Styrene	ug/L	0.26 U	20	15.5	77	70-130	
Tetrachloroethene	ug/L	0.38 U	20	14.6	73	64-134	
Toluene	ug/L	0.33 U	20	16.0	80	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	18.4	92	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	15.2	76	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	10.7	53	42-129	J(v3)
Trichloroethene	ug/L	0.36 U	20	15.8	79	70-130	
Trichlorofluoromethane	ug/L	0.72 U	20	19.0	95	65-135	
Vinyl acetate	ug/L	1.8 U	20	14.4	72	60-144	
Vinyl chloride	ug/L	0.39 U	20	21.8	109	68-131	J(v1)
Xylene (Total)	ug/L	2.1 U	60	45.9	76	70-130	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 5661733

Parameter	Units	35895108001 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	
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	J(v1)
Acrylonitrile	ug/L	3.7 U	3.7 U		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

SAMPLE DUPLICATE: 5661733

Parameter	Units	35895108001 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	J(v1)
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	
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)	%	97	98		40	
Toluene-d8 (S)	%	98	100		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

QC Batch: 1030585
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895095004, 35895095005, 35895095006, 35895095007

METHOD BLANK: 5663032 Matrix: Water
Associated Lab Samples: 35895095004, 35895095005, 35895095006, 35895095007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	07/31/24 22:01	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/31/24 22:01	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	07/31/24 22:01	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/31/24 22:01	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	07/31/24 22:01	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	07/31/24 22:01	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	07/31/24 22:01	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	07/31/24 22:01	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	07/31/24 22:01	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	07/31/24 22:01	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	07/31/24 22:01	
2-Hexanone	ug/L	6.6 U	25.0	6.6	07/31/24 22:01	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	07/31/24 22:01	
Acetone	ug/L	8.7 U	25.0	8.7	07/31/24 22:01	J(v1)
Acrylonitrile	ug/L	3.7 U	20.0	3.7	07/31/24 22:01	
Benzene	ug/L	0.30 U	1.0	0.30	07/31/24 22:01	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	07/31/24 22:01	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	07/31/24 22:01	
Bromoform	ug/L	0.48 U	3.0	0.48	07/31/24 22:01	
Bromomethane	ug/L	3.9 U	10.0	3.9	07/31/24 22:01	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	07/31/24 22:01	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	07/31/24 22:01	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	07/31/24 22:01	
Chloroethane	ug/L	3.7 U	10.0	3.7	07/31/24 22:01	
Chloroform	ug/L	0.56 U	1.0	0.56	07/31/24 22:01	
Chloromethane	ug/L	0.43 U	1.0	0.43	07/31/24 22:01	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	07/31/24 22:01	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	07/31/24 22:01	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	07/31/24 22:01	
Dibromomethane	ug/L	0.68 U	2.0	0.68	07/31/24 22:01	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	07/31/24 22:01	
Iodomethane	ug/L	3.6 U	10.0	3.6	07/31/24 22:01	
m&p-Xylene	ug/L	0.75 U	4.0	0.75	07/31/24 22:01	
Methylene Chloride	ug/L	1.7 U	5.0	1.7	07/31/24 22:01	J(v1)
o-Xylene	ug/L	0.57 U	1.0	0.57	07/31/24 22:01	
Styrene	ug/L	0.26 U	1.0	0.26	07/31/24 22:01	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	07/31/24 22:01	
Toluene	ug/L	0.33 U	1.0	0.33	07/31/24 22:01	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	07/31/24 22:01	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	07/31/24 22:01	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

METHOD BLANK: 5663032 Matrix: Water
Associated Lab Samples: 35895095004, 35895095005, 35895095006, 35895095007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	07/31/24 22:01	
Trichloroethene	ug/L	0.36 U	1.0	0.36	07/31/24 22:01	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	07/31/24 22:01	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	07/31/24 22:01	J(v2)
Vinyl chloride	ug/L	0.39 U	1.0	0.39	07/31/24 22:01	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	07/31/24 22:01	
1,2-Dichlorobenzene-d4 (S)	%	96	70-130		07/31/24 22:01	
4-Bromofluorobenzene (S)	%	104	70-130		07/31/24 22:01	
Toluene-d8 (S)	%	101	70-130		07/31/24 22:01	

LABORATORY CONTROL SAMPLE: 5663033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.8	109	70-130	
1,1,1-Trichloroethane	ug/L	20	19.4	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.8	104	68-125	
1,1,2-Trichloroethane	ug/L	20	21.1	105	70-130	
1,1-Dichloroethane	ug/L	20	18.4	92	70-130	
1,1-Dichloroethene	ug/L	20	18.9	95	66-133	
1,2,3-Trichloropropane	ug/L	20	20.9	105	62-127	
1,2-Dichlorobenzene	ug/L	20	20.0	100	70-130	
1,2-Dichloropropane	ug/L	20	19.8	99	70-130	
1,4-Dichlorobenzene	ug/L	20	20.9	104	70-130	
2-Butanone (MEK)	ug/L	100	98.4	98	47-143	
2-Hexanone	ug/L	100	104	104	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	101	101	57-132	
Acetone	ug/L	100	123	123	46-148	J(v1)
Acrylonitrile	ug/L	100	94.5	95	60-143	
Benzene	ug/L	20	19.2	96	70-130	
Bromochloromethane	ug/L	20	21.5	108	70-130	
Bromodichloromethane	ug/L	20	19.5	98	70-130	
Bromoform	ug/L	20	20.0	100	49-126	
Bromomethane	ug/L	20	19.1	95	10-165	
Carbon disulfide	ug/L	20	20.0	100	60-141	
Carbon tetrachloride	ug/L	20	19.8	99	63-126	
Chlorobenzene	ug/L	20	21.4	107	70-130	
Chloroethane	ug/L	20	21.0	105	71-142	
Chloroform	ug/L	20	18.8	94	70-130	
Chloromethane	ug/L	20	21.3	107	40-140	
cis-1,2-Dichloroethene	ug/L	20	18.2	91	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.9	100	70-130	
Dibromochloromethane	ug/L	20	21.9	109	62-118	
Dibromomethane	ug/L	20	22.3	112	70-130	
Ethylbenzene	ug/L	20	20.2	101	70-130	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

LABORATORY CONTROL SAMPLE: 5663033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	22.2	111	10-164	
m&p-Xylene	ug/L	40	40.3	101	70-130	
Methylene Chloride	ug/L	20	24.2	121	65-136	J(v1)
o-Xylene	ug/L	20	20.3	102	70-130	
Styrene	ug/L	20	21.1	106	70-130	
Tetrachloroethene	ug/L	20	22.2	111	64-134	
Toluene	ug/L	20	20.2	101	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.5	103	68-127	
trans-1,3-Dichloropropene	ug/L	20	20.8	104	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	19.6	98	42-129	
Trichloroethene	ug/L	20	20.4	102	70-130	
Trichlorofluoromethane	ug/L	20	20.8	104	65-135	
Vinyl acetate	ug/L	20	14.8	74	60-144	J(v1)
Vinyl chloride	ug/L	20	22.2	111	68-131	
Xylene (Total)	ug/L	60	60.6	101	70-130	
1,2-Dichlorobenzene-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			111	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 5663035

Parameter	Units	35895416005 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	15.9	79	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	13.5	67	68-125	J(M1)
1,1,2-Trichloroethane	ug/L	0.30 U	20	15.7	78	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	14.1	71	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	14.9	75	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	13.9	70	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	13.4	67	70-130	J(M1)
1,2-Dichloropropane	ug/L	0.23 U	20	14.9	74	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	13.6	68	70-130	J(M1)
2-Butanone (MEK)	ug/L	6.7 U	100	80.0	80	47-143	
2-Hexanone	ug/L	6.6 U	100	78.4	78	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	76.9	77	57-132	
Acetone	ug/L	8.7 U	100	99.0	99	46-148	J(v1)
Acrylonitrile	ug/L	3.7 U	100	76.5	76	60-143	
Benzene	ug/L	0.30 U	20	15.0	75	70-130	
Bromochloromethane	ug/L	0.37 U	20	17.1	85	70-130	
Bromodichloromethane	ug/L	0.19 U	20	14.5	72	70-130	
Bromoform	ug/L	0.48 U	20	13.9	69	49-126	
Bromomethane	ug/L	3.9 U	20	5.4 I	27	10-165	
Carbon disulfide	ug/L	1.8 U	20	15.6	77	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	15.1	75	63-126	
Chlorobenzene	ug/L	0.35 U	20	16.2	81	70-130	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

MATRIX SPIKE SAMPLE: 5663035

Parameter	Units	35895416005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	3.7 U	20	16.0	80	71-142	
Chloroform	ug/L	0.56 U	20	14.4	72	70-130	
Chloromethane	ug/L	0.43 U	20	22.7	113	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	14.1	71	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	13.4	67	70-130	J(M1)
Dibromochloromethane	ug/L	0.45 U	20	16.0	80	62-118	
Dibromomethane	ug/L	0.68 U	20	18.4	92	70-130	
Ethylbenzene	ug/L	0.30 U	20	14.4	72	70-130	
Iodomethane	ug/L	3.6 U	20	3.6 U	13	10-164	
m&p-Xylene	ug/L	0.75 U	40	28.5	71	70-130	
Methylene Chloride	ug/L	1.7 U	20	18.0	90	65-136	J(v1)
o-Xylene	ug/L	0.57 U	20	14.9	74	70-130	
Styrene	ug/L	0.26 U	20	15.1	75	70-130	
Tetrachloroethene	ug/L	0.38 U	20	16.8	84	64-134	
Toluene	ug/L	0.33 U	20	15.4	77	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	14.8	74	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	14.0	70	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	5.9 I	30	42-129	J(M1)
Trichloroethene	ug/L	0.36 U	20	16.8	84	70-130	
Trichlorofluoromethane	ug/L	0.72 U	20	16.5	83	65-135	
Vinyl acetate	ug/L	1.8 U	20	12.1	60	60-144	J(v3)
Vinyl chloride	ug/L	0.39 U	20	16.3	82	68-131	
Xylene (Total)	ug/L	2.1 U	60	43.4	72	70-130	
1,2-Dichlorobenzene-d4 (S)	%				95	70-130	
4-Bromofluorobenzene (S)	%				124	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 5663034

Parameter	Units	35895416004 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	
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	9.1 I	10.3 I		40	J(v1)
Acrylonitrile	ug/L	3.7 U	3.7 U		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

SAMPLE DUPLICATE: 5663034

Parameter	Units	35895416004 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	
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	
m&p-Xylene	ug/L	0.75 U	0.75 U		40	
Methylene Chloride	ug/L	1.7 U	1.7 U		40	J(v1)
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	J(v2)
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)	%	95	95		40	
4-Bromofluorobenzene (S)	%	121	120		40	
Toluene-d8 (S)	%	98	98		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

QC Batch: 1030855 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

METHOD BLANK: 5664273 Matrix: Water
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	08/03/24 18:16	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	08/03/24 18:16	

LABORATORY CONTROL SAMPLE: 5664274

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.21	86	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.23	94	60-140	

MATRIX SPIKE SAMPLE: 5664280

Parameter	Units	35895095001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0067 U	0.26	0.26	98	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0079 U	0.26	0.28	106	60-140	

SAMPLE DUPLICATE: 5664281

Parameter	Units	35895095003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0068 U	0.0068 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0079 U	0.0080 U		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

QC Batch: 1030424 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

METHOD BLANK: 5662051 Matrix: Water
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	5.0 U	5.0	5.0	07/31/24 13:18	

LABORATORY CONTROL SAMPLE: 5662052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	250	235	94	90-110	

SAMPLE DUPLICATE: 5662053

Parameter	Units	35895095001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	199	198	0	20	

SAMPLE DUPLICATE: 5662054

Parameter	Units	35895108005 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	207	204	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

QC Batch: 1030727 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

METHOD BLANK: 5663606 Matrix: Water
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	08/01/24 12:39	

LABORATORY CONTROL SAMPLE: 5663607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	290	97	90-110	

SAMPLE DUPLICATE: 5663608

Parameter	Units	35894885005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	728	716	2	10	

SAMPLE DUPLICATE: 5663609

Parameter	Units	35894885006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	376	373	1	10	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

QC Batch: 1030745 — 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: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

METHOD BLANK: 5663657 — Matrix: Water
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	08/02/24 03:40	

LABORATORY CONTROL SAMPLE: 5663658

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: 5665502 5665503

Parameter	Units	35894699001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	123	100	100	234	229	110	106	90-110	2	20	L

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

QC Batch: 1031640
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

METHOD BLANK: 5668446 Matrix: Water
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	08/06/24 11:48	

LABORATORY CONTROL SAMPLE: 5668447

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5668449 5668448

Parameter	Units	35894815002 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	30.6	5	5	35.6	35.1	100	88	90-110	2	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5668450 5668451

Parameter	Units	35895108002 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	1.4	1	1	2.4	2.4	99	104	90-110	2	20	

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(954)582-4300

QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

QC Batch: 1030529 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: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

METHOD BLANK: 5662590 Matrix: Water
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.20 U	0.50	0.20	08/02/24 13:21	

LABORATORY CONTROL SAMPLE: 5662591

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5662593 5662592

Parameter	Units	35895095001 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	1.1	20	20	20.2	20.5	96	97	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5662595 5662594

Parameter	Units	35895192004 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	<0.20	20	20	19.0	18.8	95	94	90-110	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

QC Batch: 1030317 — 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: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

METHOD BLANK: 5661645 — Matrix: Water
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	07/31/24 09:17	
Nitrogen, NO2 plus NO3	mg/L	0.015 U	0.050	0.015	07/31/24 09:17	

LABORATORY CONTROL SAMPLE: 5661646

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: 5661648 — 5661647

Parameter	Units	35894991001 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	12.2	20	20	32.1	30.6	100	92	90-110	5	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661650 — 5661649

Parameter	Units	35895095006 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	0.024 I	2	2	2.0	2.1	100	102	90-110	2	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

QC Batch: 1030371
QC Batch Method: EPA 410.4
Analysis Method: EPA 410.4
Analysis Description: 410.4 COD
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

METHOD BLANK: 5661883 Matrix: Water
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5 U	20.0	12.5	08/04/24 16:23	

LABORATORY CONTROL SAMPLE: 5661884

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	511	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661886 5661885

Parameter	Units	35894822001 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	13.1 I	500	500	514	503	100	98	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661888 5661887

Parameter	Units	35895108001 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	21.4	500	500	520	530	100	102	90-110	2	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

QC Batch: 1030381 — Analysis Method: SM 5310B
QC Batch Method: SM 5310B — Analysis Description: 5310B TOC
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

METHOD BLANK: 5661914 — Matrix: Water
Associated Lab Samples: 35895095001, 35895095002, 35895095003, 35895095004, 35895095005, 35895095006, 35895095007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	07/31/24 21:46	

LABORATORY CONTROL SAMPLE: 5661915

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661916 — 5661917

Parameter	Units	35895161001 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	3.2	20	20	24.3	23.7	105	102	80-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661918 — 5661919

Parameter	Units	35895095005 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	26.3	26.8	95	98	80-120	2	20	

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QUALIFIERS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

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 2nd Semiannual RRF
Pace Project No.: 35895095

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35895095001	**NW46(60)**				
35895095002	**NW46(60) Duplicate**				
35895095003	**NW46(20)**				
35895095004	**NW18(60)**				
35895095005	**NW18(20)**				
35895095006	**RR17(20)**				
35895095001	**NW46(60)**	EPA 8011	1030855	EPA 8011	1031297
35895095002	**NW46(60) Duplicate**	EPA 8011	1030855	EPA 8011	1031297
35895095003	**NW46(20)**	EPA 8011	1030855	EPA 8011	1031297
35895095004	**NW18(60)**	EPA 8011	1030855	EPA 8011	1031297
35895095005	**NW18(20)**	EPA 8011	1030855	EPA 8011	1031297
35895095006	**RR17(20)**	EPA 8011	1030855	EPA 8011	1031297
35895095007	**EQ Blank 073024**	EPA 8011	1030855	EPA 8011	1031297
35895095001	**NW46(60)**	EPA 3010	1030946	EPA 6010	1030961
35895095002	**NW46(60) Duplicate**	EPA 3010	1030946	EPA 6010	1030961
35895095003	**NW46(20)**	EPA 3010	1030946	EPA 6010	1030961
35895095004	**NW18(60)**	EPA 3010	1030946	EPA 6010	1030961
35895095005	**NW18(20)**	EPA 3010	1030946	EPA 6010	1030961
35895095006	**RR17(20)**	EPA 3010	1030946	EPA 6010	1030961
35895095007	**EQ Blank 073024**	EPA 3010	1030946	EPA 6010	1030961
35895095001	**NW46(60)**	EPA 3010	1030945	EPA 6020	1030960
35895095002	**NW46(60) Duplicate**	EPA 3010	1030945	EPA 6020	1030960
35895095003	**NW46(20)**	EPA 3010	1030945	EPA 6020	1030960
35895095004	**NW18(60)**	EPA 3010	1030945	EPA 6020	1030960
35895095005	**NW18(20)**	EPA 3010	1030945	EPA 6020	1030960
35895095006	**RR17(20)**	EPA 3010	1030945	EPA 6020	1030960
35895095007	**EQ Blank 073024**	EPA 3010	1030945	EPA 6020	1030960
35895095001	**NW46(60)**	EPA 7470	1030667	EPA 7470	1030700
35895095002	**NW46(60) Duplicate**	EPA 7470	1030667	EPA 7470	1030700
35895095003	**NW46(20)**	EPA 7470	1030667	EPA 7470	1030700
35895095004	**NW18(60)**	EPA 7470	1030667	EPA 7470	1030700
35895095005	**NW18(20)**	EPA 7470	1031332	EPA 7470	1031337
35895095006	**RR17(20)**	EPA 7470	1031332	EPA 7470	1031337
35895095007	**EQ Blank 073024**	EPA 7470	1031332	EPA 7470	1031337
35895095001	**NW46(60)**	EPA 8260	1030337		
35895095002	**NW46(60) Duplicate**	EPA 8260	1030337		
35895095003	**NW46(20)**	EPA 8260	1030337		
35895095004	**NW18(60)**	EPA 8260	1030585		
35895095005	**NW18(20)**	EPA 8260	1030585		
35895095006	**RR17(20)**	EPA 8260	1030585		
35895095007	**EQ Blank 073024**	EPA 8260	1030585		
35895095001	**NW46(60)**	SM 2320B	1030424		
35895095002	**NW46(60) Duplicate**	SM 2320B	1030424		
35895095003	**NW46(20)**	SM 2320B	1030424		
35895095004	**NW18(60)**	SM 2320B	1030424		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35895095005	**NW18(20)**	SM 2320B	1030424		
35895095006	**RR17(20)**	SM 2320B	1030424		
35895095007	**EQ Blank 073024**	SM 2320B	1030424		
35895095001	**NW46(60)**	SM 2540C	1030727		
35895095002	**NW46(60) Duplicate**	SM 2540C	1030727		
35895095003	**NW46(20)**	SM 2540C	1030727		
35895095004	**NW18(60)**	SM 2540C	1030727		
35895095005	**NW18(20)**	SM 2540C	1030727		
35895095006	**RR17(20)**	SM 2540C	1030727		
35895095007	**EQ Blank 073024**	SM 2540C	1030727		
35895095001	**NW46(60)**	TKN-NH3 Calculation	1031864		
35895095002	**NW46(60) Duplicate**	TKN-NH3 Calculation	1031864		
35895095003	**NW46(20)**	TKN-NH3 Calculation	1031864		
35895095004	**NW18(60)**	TKN-NH3 Calculation	1031864		
35895095005	**NW18(20)**	TKN-NH3 Calculation	1031864		
35895095006	**RR17(20)**	TKN-NH3 Calculation	1031864		
35895095007	**EQ Blank 073024**	TKN-NH3 Calculation	1031864		
35895095001	**NW46(60)**	EPA 300.0	1030745		
35895095002	**NW46(60) Duplicate**	EPA 300.0	1030745		
35895095003	**NW46(20)**	EPA 300.0	1030745		
35895095004	**NW18(60)**	EPA 300.0	1030745		
35895095005	**NW18(20)**	EPA 300.0	1030745		
35895095006	**RR17(20)**	EPA 300.0	1030745		
35895095007	**EQ Blank 073024**	EPA 300.0	1030745		
35895095001	**NW46(60)**	EPA 350.1	1031640		
35895095002	**NW46(60) Duplicate**	EPA 350.1	1031640		
35895095003	**NW46(20)**	EPA 350.1	1031640		
35895095004	**NW18(60)**	EPA 350.1	1031640		
35895095005	**NW18(20)**	EPA 350.1	1031640		
35895095006	**RR17(20)**	EPA 350.1	1031640		
35895095007	**EQ Blank 073024**	EPA 350.1	1031640		
35895095001	**NW46(60)**	EPA 351.2	1030529	EPA 351.2	1031016
35895095002	**NW46(60) Duplicate**	EPA 351.2	1030529	EPA 351.2	1031016
35895095003	**NW46(20)**	EPA 351.2	1030529	EPA 351.2	1031016
35895095004	**NW18(60)**	EPA 351.2	1030529	EPA 351.2	1031016
35895095005	**NW18(20)**	EPA 351.2	1030529	EPA 351.2	1031016
35895095006	**RR17(20)**	EPA 351.2	1030529	EPA 351.2	1031016
35895095007	**EQ Blank 073024**	EPA 351.2	1030529	EPA 351.2	1031016
35895095001	**NW46(60)**	EPA 353.2	1030317		
35895095002	**NW46(60) Duplicate**	EPA 353.2	1030317		
35895095003	**NW46(20)**	EPA 353.2	1030317		
35895095004	**NW18(60)**	EPA 353.2	1030317		
35895095005	**NW18(20)**	EPA 353.2	1030317		
35895095006	**RR17(20)**	EPA 353.2	1030317		
35895095007	**EQ Blank 073024**	EPA 353.2	1030317		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895095

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35895095001	**NW46(60)**	EPA 410.4	1030371	EPA 410.4	1031375
35895095002	**NW46(60) Duplicate**	EPA 410.4	1030371	EPA 410.4	1031375
35895095003	**NW46(20)**	EPA 410.4	1030371	EPA 410.4	1031375
35895095004	**NW18(60)**	EPA 410.4	1030371	EPA 410.4	1031375
35895095005	**NW18(20)**	EPA 410.4	1030371	EPA 410.4	1031375
35895095006	**RR17(20)**	EPA 410.4	1030371	EPA 410.4	1031375
35895095007	**EQ Blank 073024**	EPA 410.4	1030371	EPA 410.4	1031375
35895095001	**NW46(60)**	SM 5310B	1030381		
35895095002	**NW46(60) Duplicate**	SM 5310B	1030381		
35895095003	**NW46(20)**	SM 5310B	1030381		
35895095004	**NW18(60)**	SM 5310B	1030381		
35895095005	**NW18(20)**	SM 5310B	1030381		
35895095006	**RR17(20)**	SM 5310B	1030381		
35895095007	**EQ Blank 073024**	SM 5310B	1030381		

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

CHAIN-OF-CUSTODY Analytical Request Document

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

WO# : 35895095

35895095

Company Name:	Miami-Dade Department of Solid Waste Management	Contact/Report To:	Mario Porcelli
Street Address:	2525 NW 62, Miami, FL 33147	Phone #:	(305)592-1187
		E-Mail:	mario.porcelli@miamidade.gov
		Cc E-Mail:	
Customer Project #:			
Project Name:	FDEP 2nd Semiannual RRF	Invoice To:	Mario Porcelli
		Invoice E-Mail:	mario.porcelli@miamidade.gov
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	SW0000002055
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Florida

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

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:

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)

Specify Container Size **

Identify Container Preservative Type***

4 8 4 i 2 3 i

Analysis Requested

**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) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Rossy Guima

AcctNum / Client ID:

Table #:

Profile / Template: 3549

Prelog / Bottle Ord. ID: EZ 3128787

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	5310B TOC	8011 GCS EDB and DBCP	8260 MSV	Alkalinity, TDS	Metals 6010/6020/7470	NH3 TKN TON COD	NO2, NO3, CL	Sample Comment	Preservation non-conformance identified for sample.
NW 46(60)					7/30/24	0819	11			X	X	X	X	X	X	X		
NW 46(60)(Dup)						0819	11			X	X	X	X	X	X	X		
NW 46(20)						0901	11			X	X	X	X	X	X	X		
NW 18(60)						1005	11			X	X	X	X	X	X	X		
NW 18(20)						1041	11			X	X	X	X	X	X	X		
RR 17(20)						1142	11			X	X	X	X	X	X	X		
EQ Blank						1155	11			X	X	X	X	X	X	X		

Additional Instructions from Pace®:

Collected By:
(Printed Name) Terrence mond
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Pace	7/30/24 1340		7/30/24 1340	
	7/30/24 1830		7/30/24 2232	Delivered by: [ ] In- Person [ ] Courier
				[ ] FedEX [ ] UPS [ ] Other
				Page: of

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: RRF	SITE LOCATION: 6990 NW 97th Ave, Doral, FL 33178	
WELL NO: NW46(60)	SAMPLE ID: NW46(60)	DATE: 7/30/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.19	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (60.0 feet – 5.19 feet) X 0.16 gallons/foot = 8.7696 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.0	PURGING INITIATED AT: 0744	PURGING ENDED AT: ~~0818~~ 0818	TOTAL VOLUME PURGED (gallons): 13.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0806	8.8	8.8	0.40	5.21	7.21	26.3	525	0.03/0.4%	0.38	clear	mild
0812	2.4	11.2	"	"	7.21	26.4	524	0.03/0.3%	0.29	"	"
0818	2.4	13.6	"	"	7.20	26.3	523	0.03/0.3%	0.31	"	"

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: Terrence Mord / pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0819	SAMPLING ENDED AT: 0831
PUMP OR TUBING DEPTH IN WELL (feet): 7.0	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
NW46(60)	6	CG	40mL	HCL	0	<2	8260 MSV	ESP	~~APP~~ 300
"	4	CG	40mL	HCL	"	<2	5310B, TOC	"	"
"	4	CG	40mL	NO2S203	"	<2	8011 GCS EDB and DBCP	"	"
"	2	PE	500mL	C001	"	7.20	Alkalinity TDS	"	"
"	2	PE	250mL	H2SO4	"	<2	NH3 TKN TON COD	"	"
"	2	PE	250mL	HNO3	"	<2	Metals 6010/6020/7470	"	"
REMARKS:	2	PE	250mL	C001	"	7.20	NO2, NO3, CL	"	"

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: RRF	SITE LOCATION: 6440 NW 97th Ave, Doral, FL 33178	
WELL NO: NW46(20)	SAMPLE ID: NW46(20)	DATE: 7/30/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.21	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 feet – 5.21 feet) X 0.16 gallons/foot = 2.3664 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.5	PURGING INITIATED AT: 0842	PURGING ENDED AT: 0900	TOTAL VOLUME PURGED (gallons): 3.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0854	2.4	2.4	0.20	5.21	7.21	26.7	453	0.03/0.31	0.28	clear	slight
0857	0.6	3.0	"	"	7.21	26.7	454	0.03/0.31	0.29	"	"
0900	0.6	3.6	"	"	7.21	26.7	454	0.02/0.31	0.29	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Terrence Mond / Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0901	SAMPLING ENDED AT: 0907
PUMP OR TUBING DEPTH IN WELL (feet): 7.5	TUBING MATERIAL CODE: HDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
NW46(20)	3	CG	40mL	HCL	0	<2	8260 MSV	APP	300
"	2	CG	40mL	HCL	"	<2	5310B TOC	"	"
"	2	CG	40mL	Na2S2O3	"	<2	8011 GCS EDB and DBCP	"	"
"	1	PE	500mL	COOL	"	7.21	Alkalinity TDS	"	"
"	1	PE	250mL	H2SO4	"	<2	NH3 TKN TON COD	"	"
REMARKS:	1	PE	250mL	HNO3	"	<2	metals 6010/200.7/7470	"	"
"	1	PE	250mL	COOL	"	7.21	NO2, NO3, Cl	"	"

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: RRF	SITE LOCATION: 6990 NW 97th Ave, Doral, FL 33178	
WELL NO: NWi8(60)	SAMPLE ID: NWi8(60)	DATE: 7/30/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.25	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (60.0 feet – 5.25 feet) X 0.16 gallons/foot = 8.76 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.5	PURGING INITIATED AT: 0930	PURGING ENDED AT: 1004	TOTAL VOLUME PURGED (gallons): 13.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or (% saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0952	8.8	8.8	0.40	5.26	7.14	27.0	572	0.09/1.1%	0.39	clear	mild
0958	2.4	11.2	"	"	7.14	27.1	572	0.08/1.0%	0.37	"	"
1004	2.4	13.6	"	"	7.14	27.1	572	0.07/0.9%	0.26	"	"

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: Terrence Mond/Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1005	SAMPLING ENDED AT: 1011
PUMP OR TUBING DEPTH IN WELL (feet): 7.5	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
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)
NWi8(60)	3	CG	40mL	HCL	0	<2	8260 MSV	ESP	300
"	2	CG	40mL	HCL	"	<2	5310B TOC	"	"
"	2	CG	40mL	Na2S2O3	"	<2	8011 GCS EDB and DBCP	"	"
"	1	PE	500mL	Cool	"	7.14	Alkalinity TDS	"	"
"	1	PE	250mL	H2SO4	"	<2	NH3 TKN TON COD	"	"
"	1	PE	250mL	HNO3	"	<2	Metals 6010/6020/7470	"	"
REMARKS:	1	PE	250mL	Cool	"	7.14	NO2, NO3, Cl	"	"

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: RRF	SITE LOCATION: 6990 NW 97th Ave, Doral, FL 33178	
WELL NO: NW18(20)	SAMPLE ID: NW18(20)	DATE: 7/30/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.34	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 feet – 5.34 feet) X 0.16 gallons/foot = 2.3456 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.5	PURGING INITIATED AT: 1022	PURGING ENDED AT: 1040	TOTAL VOLUME PURGED (gallons): 3.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1034	2.4	2.4	0.20	5.34	7.23	27.9	465	0.15/1.9%	0.66	Clear	Slight
1037	0.6	3.0	"	"	7.22	27.9	469	0.13/1.6%	0.35	"	"
1040	0.6	3.6	"	"	7.21	27.9	473	0.10/1.3%	0.37	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Terrence Mond/Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1041	SAMPLING ENDED AT: 1047
PUMP OR TUBING DEPTH IN WELL (feet): 7.5	TUBING MATERIAL CODE: HDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
NW18(20)	3	CG	40mL	HCL	0	<2	8260 MSV	APP	300
"	2	CG	40mL	HCL	"	<2	5310B TOC	"	"
"	2	CG	40mL	Na2S2O3	"	<2	8011 EDB DBCP	"	"
"	1	PE	500mL	Cool	"	7.21	Alkalinity TDS	"	"
"	1	PE	250mL	H2SO4	"	<2	NH3 TKN TON COD	"	"
"	1	PE	250mL	HNO3	"	<2	metals 6010/6020/7470	"	"
REMARKS:	1	PE	250mL	Cool	"	7.21	NO2, NO3, Cl	"	"

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: RRF	SITE LOCATION: 6990 NW 97th Ave, Doral, FL 33178	
WELL NO: RR17(20)	SAMPLE ID: RR17(20)	DATE: 7/30/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.62	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (20.0 feet – 4.62 feet) X 0.16 gallons/foot = 2.4608 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.5	PURGING INITIATED AT: 1120	PURGING ENDED AT: 1141	TOTAL VOLUME PURGED (gallons): 4.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1133	2.6	2.6	0.20	4.63	7.18	29.8	517	0.07/0.9%	0.79	clear	Slight
1137	0.8	3.4	"	"	7.18	29.9	517	0.06/0.8%	0.62	"	"
1141	0.8	4.2	"	"	7.17	30.0	516	0.05/0.7%	0.74	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Terrence Mond / pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1142	SAMPLING ENDED AT: 1148
PUMP OR TUBING DEPTH IN WELL (feet): 6.5	TUBING MATERIAL CODE: HDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
RR17(20)	3	CG	40mL	HCL	0	<2	8260 MS V	APP	300
	2	CG	40mL	HCL		<2	5310B TOC		
	2	CG	40mL	Na2S2O3		<2	SOIL GASEDB and DISCP		
	1	PE	500mL	Cool		7.17	Alkalinity, TDS		
	1	PE	250mL	H2SO4		<2	NH3 TKN TON COD		
	1	PE	250mL	HNO3		<2	metals 6010/6020/7470		
REMARKS:	1	PE	250mL	Cool		7.17	NO2, NO3, Cl		

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: RRF	SITE LOCATION: 6990 NW 97th Ave, Doral, FL 33178	
WELL NO: EQ Blank	SAMPLE ID: EQ Blank	DATE: 7/30/24

PURGING DATA

WELL DIAMETER (inches): N/A	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): N/A	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)

= (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)

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 1.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 1.0	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 (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)
EQ 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: Terrence Mond / Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1155	SAMPLING ENDED AT: 1201
PUMP OR TUBING DEPTH IN WELL (feet): 1.0	TUBING MATERIAL CODE: HDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
EQ Blank	3	CG	40mL	HCL	0	<2	8260 MSV	APP	300
|	2	CG	40mL	HCL	|	<2	5310B TOC	|	|
|	2	CG	40mL	NO25203	|	<2	504 DCS EDB and DBCP	|	|
|	1	PE	500mL	Cool	|	N/A	Alkalinity, TDS	|	|
|	1	PE	250mL	H2SO4	|	<2	NH3 TKN TON (COL)	|	|
|	1	PE	250mL	HNO3	|	<2	METALS 6010 7000 or 7470	|	|
REMARKS:	1	PE	250mL	Cool	|	N/A	NO2, NO3, CL	|	|

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

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

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

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

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

Pace

Sample Condition Upon Receipt Form (SCUR)

WO# : 35895095

PM: RYG **Due Date: 08/07/24**

CLIENT: 36-MDSWM

Project #

Project Manager:

Client:

Date and Initials of person:

Examining contents: _____

Verifying pH: _____

Thermometer Used: T-398 Date: 07/30/2024 Time: 1410 Initials: KO

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

Cooler #1 Temp.°C	3.1 (Visual)	-0.2 (Correction Factor)	2.9 (Actual)	☑Samples on ice, cooling process has begun.
Cooler #2 Temp.°C	3.8 (Visual)	-0.2 (Correction Factor)	3.6 (Actual)	☑Samples on ice, cooling process has begun.
Cooler #3 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	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: _____
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☐Yes	☐No	☑N/A	Lot / Trace: _____ Time: _____ Amount added (mL): _____ Initials: _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☐No	☑N/A	
Trip Blank Present:	☐Yes	☐No	☑N/A	

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

Labeled by: _____ **Reviewed by:** _____ **Delivered by:** _____

WO#: 35895095 (R)
PM: RYG Due Date: 08/07/24
CLIENT: 36-MDSWM

Pace

Project #
Project Manager:
Client:

Date and Initials of person: 7/31/24 TSI
Examining contents:
Verifying pH: TSI

Thermometer Used: T-427 Date: 7/30/24 Time: 2256 Initials:

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

Cooler #1 Temp.°C	2.5 (Visual)	0 (Correction Factor)	2.5 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C	3.6 (Visual)	0 (Correction Factor)	3.6 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C	(Visual)	(Correction Factor)	(Actual)	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 Time:**

Shorted Date:

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**
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑Yes	☐No	☐N/A	**Preservative:** **Date:** **Lot / Trace:** **Time:** **Amount added (mL):** **Initials:**
Headspace in Volatile Vials? (>6mm):	☐Yes	☑No	☐N/A	
Trip Blank Present:	☐Yes	☑No	☐N/A	

Comments / Resolutions (use back for additional comments):

Labeled by: TSI **Reviewed by:** **Delivered by:**

Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

August 07, 2024

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

RE: Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on July 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
Arelys Roman, Miami-Dade Department of Solid Waste Management

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CERTIFICATIONS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

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
Nevada Certification: FL NELAC Reciprocity
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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3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

SAMPLE SUMMARY

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35895108001	**RR3(30)**	Water	07/30/24 08:02	07/30/24 13:10
35895108002	**RR3(60)**	Water	07/30/24 09:03	07/30/24 13:10
35895108003	**RR3(20)**	Water	07/30/24 09:32	07/30/24 13:10
35895108004	**RR3(20) Duplicate**	Water	07/30/24 09:32	07/30/24 13:10
35895108005	**RR1(60)**	Water	07/30/24 10:32	07/30/24 13:10
35895108006	**RR1(30)**	Water	07/30/24 11:06	07/30/24 13:10
35895108007	**RR1(15)**	Water	07/30/24 11:27	07/30/24 13:10
35895108008	**EQ Blank 0730242**	Water	07/30/24 11:34	07/30/24 13:10

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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35895108001	**RR3(30)**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35895108002	**RR3(60)**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35895108003	**RR3(20)**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35895108004	**RR3(20) Duplicate**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35895108005	**RR1(60)**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35895108006	**RR1(30)**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O

REPORT OF LABORATORY ANALYSIS

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Pompano Beach, FL 33064
(954)582-4300

SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	CLT	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	VAG	1	PASI-O
		TKN-NH3 Calculation	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35895108007	**RR1(15)**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	JH	1	PASI-O
35895108008	**EQ Blank 0730242**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	CMB	1	PASI-O
		EPA 300.0	EAD	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	AGS	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O

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3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

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

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR3(30) **Lab ID: 35895108001** Collected: 07/30/24 08:02 Received: 07/30/24 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.10**	Std. Units			1		07/30/24 08:02		
Field Temperature	**26.6**	deg C			1		07/30/24 08:02		
Field Specific Conductance	**523**	umhos/cm			1		07/30/24 08:02		
Oxygen, Dissolved	**0.5**	mg/L			1		07/30/24 08:02	7782-44-7	
Turbidity	**0.10**	NTU			1		07/30/24 08:02		
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	08/01/24 17:55	08/03/24 20:42	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	08/01/24 17:55	08/03/24 20:42	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**18.7**	ug/L	10.0	0.84	1	07/31/24 11:11	08/01/24 17:52	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 11:11	08/01/24 17:52	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 11:11	08/01/24 17:52	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 11:11	08/01/24 17:52	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 11:11	08/01/24 17:52	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 11:11	08/01/24 17:52	7440-50-8	
Iron	**124**	ug/L	40.0	25.0	1	07/31/24 11:11	08/01/24 17:52	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 11:11	08/01/24 17:52	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 11:11	08/01/24 17:52	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 11:11	08/01/24 17:52	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 11:11	08/01/24 17:52	7440-22-4	
Sodium	**31.1**	mg/L	2.0	0.54	1	07/31/24 11:11	08/01/24 17:52	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 11:11	08/01/24 17:52	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 11:11	08/01/24 17:52	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	07/31/24 11:11	08/06/24 15:19	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 11:11	08/06/24 15:19	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 11:11	08/06/24 15:19	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	08/04/24 12:13	08/05/24 09:30	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		07/31/24 14:22	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/31/24 14:22	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 14:22	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 14:22	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR3(30) **Lab ID: 35895108001** Collected: 07/30/24 08:02 Received: 07/30/24 13:10 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		07/31/24 14:22	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/31/24 14:22	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/31/24 14:22	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/31/24 14:22	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 14:22	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/31/24 14:22	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/31/24 14:22	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/31/24 14:22	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/31/24 14:22	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/31/24 14:22	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/31/24 14:22	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/31/24 14:22	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/31/24 14:22	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/31/24 14:22	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/31/24 14:22	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/31/24 14:22	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 14:22	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/31/24 14:22	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 14:22	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 14:22	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/31/24 14:22	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 14:22	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 14:22	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/31/24 14:22	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/31/24 14:22	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/31/24 14:22	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/31/24 14:22	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/31/24 14:22	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/31/24 14:22	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 14:22	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/31/24 14:22	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/31/24 14:22	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 14:22	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 14:22	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/31/24 14:22	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/31/24 14:22	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/31/24 14:22	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 14:22	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/31/24 14:22	75-01-4	J(v1)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/31/24 14:22	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/31/24 14:22	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/31/24 14:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/31/24 14:22	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		07/31/24 14:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR3(30) **Lab ID: 35895108001** Collected: 07/30/24 08:02 Received: 07/30/24 13:10 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		07/31/24 14:22	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		07/31/24 15:09		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**314**	mg/L	5.0	5.0	1		08/01/24 12:39		
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		08/06/24 18:52		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**40.6**	mg/L	5.0	2.5	1		08/02/24 08:25	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		08/06/24 12:12	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	08/01/24 13:53	08/02/24 13:35	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		07/31/24 09:52		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/31/24 09:52	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**21.4**	mg/L	20.0	12.5	1	07/31/24 11:19	08/04/24 16:24		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**8.8**	mg/L	1.0	0.50	1		08/01/24 02:40	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR3(60) **Lab ID: 35895108002** Collected: 07/30/24 09:03 Received: 07/30/24 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.99**	Std. Units			1		07/30/24 09:03		
Field Temperature	**26.4**	deg C			1		07/30/24 09:03		
Field Specific Conductance	**641**	umhos/cm			1		07/30/24 09:03		
Oxygen, Dissolved	**0.7**	mg/L			1		07/30/24 09:03	7782-44-7	
Turbidity	**0.90**	NTU			1		07/30/24 09:03		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0069 U**	ug/L	0.022	0.0069	1	08/01/24 17:55	08/03/24 20:55	96-12-8	
1,2-Dibromoethane (EDB)	**0.0081 U**	ug/L	0.011	0.0081	1	08/01/24 17:55	08/03/24 20:55	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**16.9**	ug/L	10.0	0.84	1	07/31/24 11:11	08/01/24 17:56	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 11:11	08/01/24 17:56	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 11:11	08/01/24 17:56	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 11:11	08/01/24 17:56	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 11:11	08/01/24 17:56	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 11:11	08/01/24 17:56	7440-50-8	
Iron	**921**	ug/L	40.0	25.0	1	07/31/24 11:11	08/01/24 17:56	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 11:11	08/01/24 17:56	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 11:11	08/01/24 17:56	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 11:11	08/01/24 17:56	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 11:11	08/01/24 17:56	7440-22-4	
Sodium	**37.3**	mg/L	2.0	0.54	1	07/31/24 11:11	08/01/24 17:56	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 11:11	08/01/24 17:56	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 11:11	08/01/24 17:56	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	07/31/24 11:11	08/06/24 15:23	7440-36-0	
Arsenic	**0.64 I**	ug/L	1.0	0.50	1	07/31/24 11:11	08/06/24 15:23	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 11:11	08/06/24 15:23	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	08/04/24 12:13	08/05/24 09:32	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		07/31/24 15:08	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/31/24 15:08	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 15:08	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 15:08	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR3(60) **Lab ID: 35895108002** Collected: 07/30/24 09:03 Received: 07/30/24 13:10 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		07/31/24 15:08	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/31/24 15:08	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/31/24 15:08	74-83-9	J(v2), J(v3)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/31/24 15:08	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 15:08	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/31/24 15:08	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/31/24 15:08	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/31/24 15:08	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/31/24 15:08	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/31/24 15:08	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/31/24 15:08	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/31/24 15:08	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/31/24 15:08	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/31/24 15:08	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/31/24 15:08	110-57-6	J(v2), J(v3)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/31/24 15:08	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 15:08	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/31/24 15:08	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 15:08	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 15:08	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/31/24 15:08	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 15:08	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 15:08	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/31/24 15:08	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/31/24 15:08	74-88-4	J(v2), J(v3)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/31/24 15:08	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/31/24 15:08	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/31/24 15:08	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/31/24 15:08	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 15:08	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/31/24 15:08	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/31/24 15:08	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 15:08	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 15:08	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/31/24 15:08	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/31/24 15:08	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/31/24 15:08	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 15:08	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/31/24 15:08	75-01-4	J(v1)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/31/24 15:08	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/31/24 15:08	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/31/24 15:08	95-47-6	

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(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR3(60) **Lab ID: 35895108002** Collected: 07/30/24 09:03 Received: 07/30/24 13:10 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									
4-Bromofluorobenzene (S)	93	%	70-130		1		07/31/24 15:08	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		07/31/24 15:08	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		07/31/24 15:08	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**235**	mg/L	5.0	5.0	1		07/31/24 15:22		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**387**	mg/L	5.0	5.0	1		08/01/24 12:39		
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		08/06/24 18:52		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**61.1**	mg/L	5.0	2.5	1		08/01/24 17:43	16887-00-6	J(M1)
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**1.4**	mg/L	0.050	0.035	1		08/06/24 12:13	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	**1.6**	mg/L	0.50	0.20	1	08/01/24 13:53	08/02/24 13:36	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		07/31/24 09:54		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/31/24 09:54	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**37.5**	mg/L	20.0	12.5	1	07/31/24 11:19	08/04/24 16:24		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**13.6**	mg/L	1.0	0.50	1		08/01/24 02:56	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR3(20) **Lab ID: 35895108003** Collected: 07/30/24 09:32 Received: 07/30/24 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.08**	Std. Units			1		07/30/24 09:32		
Field Temperature	**27.1**	deg C			1		07/30/24 09:32		
Field Specific Conductance	**591**	umhos/cm			1		07/30/24 09:32		
Oxygen, Dissolved	**1.1**	mg/L			1		07/30/24 09:32	7782-44-7	
Turbidity	**1.22**	NTU			1		07/30/24 09:32		
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	08/01/24 17:55	08/03/24 21:07	96-12-8	
1,2-Dibromoethane (EDB)	**0.0078 U**	ug/L	0.010	0.0078	1	08/01/24 17:55	08/03/24 21:07	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**22.2**	ug/L	10.0	0.84	1	07/31/24 11:11	08/01/24 17:59	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 11:11	08/01/24 17:59	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 11:11	08/01/24 17:59	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 11:11	08/01/24 17:59	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 11:11	08/01/24 17:59	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 11:11	08/01/24 17:59	7440-50-8	
Iron	**68.4**	ug/L	40.0	25.0	1	07/31/24 11:11	08/01/24 17:59	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 11:11	08/01/24 17:59	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 11:11	08/01/24 17:59	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 11:11	08/01/24 17:59	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 11:11	08/01/24 17:59	7440-22-4	
Sodium	**39.8**	mg/L	2.0	0.54	1	07/31/24 11:11	08/01/24 17:59	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 11:11	08/01/24 17:59	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 11:11	08/01/24 17:59	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	07/31/24 11:11	08/06/24 15:26	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 11:11	08/06/24 15:26	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 11:11	08/06/24 15:26	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	08/04/24 12:13	08/05/24 09:35	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		07/31/24 15:53	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/31/24 15:53	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 15:53	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 15:53	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR3(20) **Lab ID: 35895108003** Collected: 07/30/24 09:32 Received: 07/30/24 13:10 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		07/31/24 15:53	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/31/24 15:53	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/31/24 15:53	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/31/24 15:53	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 15:53	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/31/24 15:53	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/31/24 15:53	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/31/24 15:53	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/31/24 15:53	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/31/24 15:53	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/31/24 15:53	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/31/24 15:53	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/31/24 15:53	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/31/24 15:53	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/31/24 15:53	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/31/24 15:53	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 15:53	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/31/24 15:53	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 15:53	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 15:53	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/31/24 15:53	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 15:53	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 15:53	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/31/24 15:53	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/31/24 15:53	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/31/24 15:53	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/31/24 15:53	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/31/24 15:53	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/31/24 15:53	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 15:53	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/31/24 15:53	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/31/24 15:53	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 15:53	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 15:53	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/31/24 15:53	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/31/24 15:53	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/31/24 15:53	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 15:53	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/31/24 15:53	75-01-4	J(v1)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/31/24 15:53	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/31/24 15:53	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/31/24 15:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		07/31/24 15:53	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		07/31/24 15:53	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR3(20) **Lab ID: 35895108003** Collected: 07/30/24 09:32 Received: 07/30/24 13:10 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		07/31/24 15:53	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**205**	mg/L	5.0	5.0	1		07/31/24 15:35		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**171**	mg/L	5.0	5.0	1		08/01/24 12:39		
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		08/06/24 18:52		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**63.1**	mg/L	5.0	2.5	1		08/01/24 18:49	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		08/06/24 12:21	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	**1.0**	mg/L	0.50	0.20	1	08/01/24 13:53	08/02/24 13:39	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		07/31/24 09:55		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/31/24 09:55	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**23.1**	mg/L	20.0	12.5	1	07/31/24 11:19	08/04/24 16:24		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**8.4**	mg/L	1.0	0.50	1		08/01/24 03:08	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR3(20) Duplicate **Lab ID: 35895108004** Collected: 07/30/24 09:32 Received: 07/30/24 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.08**	Std. Units			1		07/30/24 09:32		
Field Temperature	**27.1**	deg C			1		07/30/24 09:32		
Field Specific Conductance	**591**	umhos/cm			1		07/30/24 09:32		
Oxygen, Dissolved	**1.1**	mg/L			1		07/30/24 09:32	7782-44-7	
Turbidity	**1.22**	NTU			1		07/30/24 09:32		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0068 U**	ug/L	0.021	0.0068	1	08/01/24 17:55	08/03/24 21:19	96-12-8	
1,2-Dibromoethane (EDB)	**0.0079 U**	ug/L	0.011	0.0079	1	08/01/24 17:55	08/03/24 21:19	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**22.2**	ug/L	10.0	0.84	1	07/31/24 11:11	08/01/24 18:03	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 11:11	08/01/24 18:03	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 11:11	08/01/24 18:03	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 11:11	08/01/24 18:03	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 11:11	08/01/24 18:03	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 11:11	08/01/24 18:03	7440-50-8	
Iron	**56.9**	ug/L	40.0	25.0	1	07/31/24 11:11	08/01/24 18:03	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 11:11	08/01/24 18:03	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 11:11	08/01/24 18:03	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 11:11	08/01/24 18:03	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 11:11	08/01/24 18:03	7440-22-4	
Sodium	**39.8**	mg/L	2.0	0.54	1	07/31/24 11:11	08/01/24 18:03	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 11:11	08/01/24 18:03	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 11:11	08/01/24 18:03	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	07/31/24 11:11	08/06/24 15:30	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 11:11	08/06/24 15:30	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 11:11	08/06/24 15:30	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	08/04/24 12:13	08/05/24 09:37	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		07/31/24 16:15	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/31/24 16:15	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 16:15	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 16:15	74-97-5	

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Pompano Beach, FL 33064
(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR3(20) Duplicate **Lab ID: 35895108004** Collected: 07/30/24 09:32 Received: 07/30/24 13:10 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		07/31/24 16:15	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/31/24 16:15	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/31/24 16:15	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/31/24 16:15	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 16:15	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/31/24 16:15	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/31/24 16:15	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/31/24 16:15	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/31/24 16:15	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/31/24 16:15	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/31/24 16:15	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/31/24 16:15	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/31/24 16:15	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/31/24 16:15	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/31/24 16:15	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/31/24 16:15	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 16:15	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/31/24 16:15	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 16:15	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 16:15	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/31/24 16:15	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 16:15	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 16:15	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/31/24 16:15	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/31/24 16:15	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/31/24 16:15	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/31/24 16:15	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/31/24 16:15	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/31/24 16:15	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 16:15	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/31/24 16:15	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/31/24 16:15	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 16:15	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 16:15	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/31/24 16:15	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/31/24 16:15	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/31/24 16:15	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 16:15	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/31/24 16:15	75-01-4	J(v1)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/31/24 16:15	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/31/24 16:15	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/31/24 16:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		07/31/24 16:15	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		07/31/24 16:15	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR3(20) Duplicate **Lab ID: 35895108004** Collected: 07/30/24 09:32 Received: 07/30/24 13:10 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		07/31/24 16:15	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		07/31/24 16:16		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**355**	mg/L	5.0	5.0	1		08/01/24 12:39		
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		08/06/24 18:52		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**62.9**	mg/L	5.0	2.5	1		08/01/24 19:12	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.84**	mg/L	0.050	0.035	1		08/06/24 12:23	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	**1.0**	mg/L	0.50	0.20	1	08/01/24 13:53	08/02/24 13:41	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		07/31/24 09:56		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/31/24 09:56	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**19.4 I**	mg/L	20.0	12.5	1	07/31/24 11:19	08/04/24 16:24		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**8.4**	mg/L	1.0	0.50	1		08/01/24 03:22	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR1(60) **Lab ID: 35895108005** Collected: 07/30/24 10:32 Received: 07/30/24 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.19**	Std. Units			1		07/30/24 10:32		
Field Temperature	**26.7**	deg C			1		07/30/24 10:32		
Field Specific Conductance	**530**	umhos/cm			1		07/30/24 10:32		
Oxygen, Dissolved	**0.1**	mg/L			1		07/30/24 10:32	7782-44-7	
Turbidity	**7.14**	NTU			1		07/30/24 10:32		
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	08/01/24 17:55	08/03/24 21:31	96-12-8	
1,2-Dibromoethane (EDB)	**0.0078 U**	ug/L	0.010	0.0078	1	08/01/24 17:55	08/03/24 21:31	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**13.7**	ug/L	10.0	0.84	1	07/31/24 11:11	08/01/24 18:06	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 11:11	08/01/24 18:06	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 11:11	08/01/24 18:06	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 11:11	08/01/24 18:06	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 11:11	08/01/24 18:06	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 11:11	08/01/24 18:06	7440-50-8	
Iron	**595**	ug/L	40.0	25.0	1	07/31/24 11:11	08/01/24 18:06	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 11:11	08/01/24 18:06	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 11:11	08/01/24 18:06	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 11:11	08/01/24 18:06	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 11:11	08/01/24 18:06	7440-22-4	
Sodium	**32.4**	mg/L	2.0	0.54	1	07/31/24 11:11	08/01/24 18:06	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 11:11	08/01/24 18:06	7440-62-2	
Zinc	**19.8 I**	ug/L	20.0	11.0	1	07/31/24 11:11	08/01/24 18:06	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	07/31/24 11:11	08/06/24 15:41	7440-36-0	
Arsenic	**0.53 I**	ug/L	1.0	0.50	1	07/31/24 11:11	08/06/24 15:41	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 11:11	08/06/24 15:41	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	08/04/24 12:13	08/05/24 09:39	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		07/31/24 16:38	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/31/24 16:38	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 16:38	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 16:38	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR1(60) **Lab ID: 35895108005** Collected: 07/30/24 10:32 Received: 07/30/24 13:10 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		07/31/24 16:38	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/31/24 16:38	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/31/24 16:38	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/31/24 16:38	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 16:38	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/31/24 16:38	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/31/24 16:38	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/31/24 16:38	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/31/24 16:38	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/31/24 16:38	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/31/24 16:38	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/31/24 16:38	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/31/24 16:38	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/31/24 16:38	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/31/24 16:38	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/31/24 16:38	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 16:38	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/31/24 16:38	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 16:38	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 16:38	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/31/24 16:38	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 16:38	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 16:38	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/31/24 16:38	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/31/24 16:38	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/31/24 16:38	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/31/24 16:38	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/31/24 16:38	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/31/24 16:38	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 16:38	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/31/24 16:38	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/31/24 16:38	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 16:38	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 16:38	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/31/24 16:38	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/31/24 16:38	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/31/24 16:38	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 16:38	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/31/24 16:38	75-01-4	J(v1)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/31/24 16:38	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/31/24 16:38	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/31/24 16:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		07/31/24 16:38	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		07/31/24 16:38	2037-26-5	

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(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR1(60) **Lab ID: 35895108005** Collected: 07/30/24 10:32 Received: 07/30/24 13:10 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		07/31/24 16:38	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**207**	mg/L	5.0	5.0	1		07/31/24 16:29		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**320**	mg/L	5.0	5.0	1		08/01/24 12:39		
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		08/06/24 18:52		
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		08/01/24 19:34	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.85**	mg/L	0.050	0.035	1		08/06/24 12:25	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	08/01/24 13:53	08/02/24 13:42	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		07/31/24 09:57		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/31/24 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	**24.6**	mg/L	20.0	12.5	1	07/31/24 11:19	08/04/24 16:24		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**10.9**	mg/L	1.0	0.50	1		08/01/24 03:35	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR1(30) **Lab ID: 35895108006** Collected: 07/30/24 11:06 Received: 07/30/24 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.24**	Std. Units			1		07/30/24 11:06		
Field Temperature	**26.9**	deg C			1		07/30/24 11:06		
Field Specific Conductance	**467**	umhos/cm			1		07/30/24 11:06		
Oxygen, Dissolved	**0.6**	mg/L			1		07/30/24 11:06	7782-44-7	
Turbidity	**3.21**	NTU			1		07/30/24 11:06		
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	08/01/24 17:55	08/03/24 21:43	96-12-8	
1,2-Dibromoethane (EDB)	**0.0079 U**	ug/L	0.011	0.0079	1	08/01/24 17:55	08/03/24 21:43	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**17.5**	ug/L	10.0	0.84	1	07/31/24 11:11	08/01/24 18:10	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 11:11	08/01/24 18:10	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 11:11	08/01/24 18:10	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 11:11	08/01/24 18:10	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 11:11	08/01/24 18:10	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 11:11	08/01/24 18:10	7440-50-8	
Iron	**212**	ug/L	40.0	25.0	1	07/31/24 11:11	08/01/24 18:10	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 11:11	08/01/24 18:10	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 11:11	08/01/24 18:10	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 11:11	08/01/24 18:10	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 11:11	08/01/24 18:10	7440-22-4	
Sodium	**23.3**	mg/L	2.0	0.54	1	07/31/24 11:11	08/01/24 18:10	7440-23-5	
Vanadium	**1.0 I**	ug/L	10.0	1.0	1	07/31/24 11:11	08/01/24 18:10	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 11:11	08/01/24 18:10	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	07/31/24 11:11	08/06/24 15:44	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 11:11	08/06/24 15:44	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 11:11	08/06/24 15:44	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	08/04/24 12:13	08/05/24 09:42	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		07/31/24 17:00	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/31/24 17:00	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 17:00	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 17:00	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR1(30) **Lab ID: 35895108006** Collected: 07/30/24 11:06 Received: 07/30/24 13:10 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		07/31/24 17:00	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/31/24 17:00	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/31/24 17:00	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/31/24 17:00	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 17:00	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/31/24 17:00	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/31/24 17:00	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/31/24 17:00	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/31/24 17:00	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/31/24 17:00	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/31/24 17:00	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/31/24 17:00	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/31/24 17:00	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/31/24 17:00	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/31/24 17:00	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/31/24 17:00	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 17:00	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/31/24 17:00	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 17:00	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 17:00	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/31/24 17:00	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 17:00	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 17:00	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/31/24 17:00	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/31/24 17:00	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/31/24 17:00	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/31/24 17:00	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/31/24 17:00	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/31/24 17:00	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 17:00	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/31/24 17:00	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/31/24 17:00	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 17:00	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 17:00	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/31/24 17:00	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/31/24 17:00	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/31/24 17:00	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 17:00	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/31/24 17:00	75-01-4	J(v1)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/31/24 17:00	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/31/24 17:00	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/31/24 17:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		07/31/24 17:00	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		07/31/24 17:00	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR1(30) **Lab ID: 35895108006** Collected: 07/30/24 11:06 Received: 07/30/24 13:10 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		07/31/24 17:00	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**195**	mg/L	5.0	5.0	1		07/31/24 16:53		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**263**	mg/L	5.0	5.0	1		08/01/24 12:39		
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		08/06/24 18:52		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**87.4**	mg/L	25.0	12.5	5		08/01/24 19:56	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		08/06/24 12:26	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	08/01/24 13:53	08/02/24 13:43	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		07/31/24 09:59		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/31/24 09:59	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**29.4**	mg/L	20.0	12.5	1	07/31/24 11:19	08/04/24 16:24		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**9.1**	mg/L	1.0	0.50	1		08/01/24 03:47	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR1(15) **Lab ID: 35895108007** Collected: 07/30/24 11:27 Received: 07/30/24 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.11**	Std. Units			1		07/30/24 11:27		
Field Temperature	**29.1**	deg C			1		07/30/24 11:27		
Field Specific Conductance	**754**	umhos/cm			1		07/30/24 11:27		
Oxygen, Dissolved	**2.7**	mg/L			1		07/30/24 11:27	7782-44-7	
Turbidity	**2.82**	NTU			1		07/30/24 11:27		
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	08/01/24 17:55	08/03/24 21:55	96-12-8	
1,2-Dibromoethane (EDB)	**0.0079 U**	ug/L	0.011	0.0079	1	08/01/24 17:55	08/03/24 21:55	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**27.9**	ug/L	10.0	0.84	1	07/31/24 11:11	08/01/24 18:14	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 11:11	08/01/24 18:14	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 11:11	08/01/24 18:14	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 11:11	08/01/24 18:14	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 11:11	08/01/24 18:14	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 11:11	08/01/24 18:14	7440-50-8	
Iron	**115**	ug/L	40.0	25.0	1	07/31/24 11:11	08/01/24 18:14	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 11:11	08/01/24 18:14	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 11:11	08/01/24 18:14	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 11:11	08/01/24 18:14	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 11:11	08/01/24 18:14	7440-22-4	
Sodium	**68.7**	mg/L	2.0	0.54	1	07/31/24 11:11	08/01/24 18:14	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 11:11	08/01/24 18:14	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 11:11	08/01/24 18:14	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	07/31/24 11:11	08/06/24 15:48	7440-36-0	
Arsenic	**1.7**	ug/L	1.0	0.50	1	07/31/24 11:11	08/06/24 15:48	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 11:11	08/06/24 15:48	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	08/04/24 12:13	08/05/24 09:44	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		07/31/24 17:23	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/31/24 17:23	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 17:23	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 17:23	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR1(15) **Lab ID: 35895108007** Collected: 07/30/24 11:27 Received: 07/30/24 13:10 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		07/31/24 17:23	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/31/24 17:23	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/31/24 17:23	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/31/24 17:23	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 17:23	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/31/24 17:23	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/31/24 17:23	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/31/24 17:23	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		07/31/24 17:23	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/31/24 17:23	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/31/24 17:23	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/31/24 17:23	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/31/24 17:23	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/31/24 17:23	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/31/24 17:23	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/31/24 17:23	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 17:23	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/31/24 17:23	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 17:23	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 17:23	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/31/24 17:23	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 17:23	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 17:23	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/31/24 17:23	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/31/24 17:23	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/31/24 17:23	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/31/24 17:23	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/31/24 17:23	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/31/24 17:23	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 17:23	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/31/24 17:23	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/31/24 17:23	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 17:23	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 17:23	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/31/24 17:23	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/31/24 17:23	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/31/24 17:23	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 17:23	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/31/24 17:23	75-01-4	J(v1)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/31/24 17:23	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/31/24 17:23	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/31/24 17:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		07/31/24 17:23	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		07/31/24 17:23	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: RR1(15) **Lab ID: 35895108007** Collected: 07/30/24 11:27 Received: 07/30/24 13:10 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		07/31/24 17:23	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**230**	mg/L	5.0	5.0	1		07/31/24 17:06		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**416**	mg/L	5.0	5.0	1		08/01/24 11:11		
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		08/06/24 18:52		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**92.8**	mg/L	5.0	2.5	1		08/01/24 20:18	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.32**	mg/L	0.050	0.035	1		08/06/24 12:28	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	**0.55**	mg/L	0.50	0.20	1	08/01/24 13:53	08/02/24 13:44	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		07/31/24 10:04		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/31/24 10:04	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**13.1 I**	mg/L	20.0	12.5	1	07/31/24 11:19	08/04/24 16:24		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**5.5**	mg/L	1.0	0.50	1		08/01/24 04:03	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: EQ Blank 0730242 **Lab ID: 35895108008** Collected: 07/30/24 11:34 Received: 07/30/24 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0068 U**	ug/L	0.021	0.0068	1	08/01/24 17:55	08/03/24 22:07	96-12-8	
1,2-Dibromoethane (EDB)	**0.0080 U**	ug/L	0.011	0.0080	1	08/01/24 17:55	08/03/24 22:07	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	07/31/24 11:11	08/01/24 18:24	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	07/31/24 11:11	08/01/24 18:24	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	07/31/24 11:11	08/01/24 18:24	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	07/31/24 11:11	08/01/24 18:24	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	07/31/24 11:11	08/01/24 18:24	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	07/31/24 11:11	08/01/24 18:24	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	07/31/24 11:11	08/01/24 18:24	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	07/31/24 11:11	08/01/24 18:24	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 11:11	08/01/24 18:24	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	07/31/24 11:11	08/01/24 18:24	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	07/31/24 11:11	08/01/24 18:24	7440-22-4	
Sodium	**0.54 U**	mg/L	2.0	0.54	1	07/31/24 11:11	08/01/24 18:24	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	07/31/24 11:11	08/01/24 18:24	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	07/31/24 11:11	08/01/24 18:24	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	07/31/24 11:11	08/06/24 15:52	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	07/31/24 11:11	08/06/24 15:52	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	07/31/24 11:11	08/06/24 15:52	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	08/04/24 12:13	08/05/24 09:46	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		07/31/24 11:00	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		07/31/24 11:00	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 11:00	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 11:00	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		07/31/24 11:00	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		07/31/24 11:00	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		07/31/24 11:00	74-83-9	J(v2)
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		07/31/24 11:00	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 11:00	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		07/31/24 11:00	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		07/31/24 11:00	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		07/31/24 11:00	75-00-3	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: EQ Blank 0730242 **Lab ID: 35895108008** Collected: 07/30/24 11:34 Received: 07/30/24 13:10 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		07/31/24 11:00	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		07/31/24 11:00	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		07/31/24 11:00	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		07/31/24 11:00	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		07/31/24 11:00	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		07/31/24 11:00	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		07/31/24 11:00	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		07/31/24 11:00	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 11:00	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		07/31/24 11:00	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 11:00	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		07/31/24 11:00	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		07/31/24 11:00	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		07/31/24 11:00	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 11:00	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		07/31/24 11:00	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		07/31/24 11:00	74-88-4	J(v2)
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		07/31/24 11:00	75-09-2	J(v1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		07/31/24 11:00	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		07/31/24 11:00	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		07/31/24 11:00	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		07/31/24 11:00	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		07/31/24 11:00	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		07/31/24 11:00	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 11:00	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		07/31/24 11:00	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		07/31/24 11:00	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		07/31/24 11:00	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		07/31/24 11:00	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		07/31/24 11:00	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		07/31/24 11:00	75-01-4	J(v1)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		07/31/24 11:00	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		07/31/24 11:00	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		07/31/24 11:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		07/31/24 11:00	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		07/31/24 11:00	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		07/31/24 11:00	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		07/31/24 17:19		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Sample: EQ Blank 0730242 **Lab ID: 35895108008** Collected: 07/30/24 11:34 Received: 07/30/24 13:10 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		08/01/24 11:11		
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		08/06/24 18:52		
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		08/04/24 21:24	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		08/06/24 12:29	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	08/01/24 13:53	08/02/24 13:45	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		07/31/24 10:05		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		07/31/24 10:05	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	07/31/24 11:19	08/04/24 16:24		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**0.50 U**	mg/L	1.0	0.50	1		07/31/24 15:55	7440-44-0	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

QC Batch: 1031332
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

METHOD BLANK: 5667346 Matrix: Water
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.14 U	0.20	0.14	08/05/24 08:58	

LABORATORY CONTROL SAMPLE: 5667347

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.1	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5667348 5667349

Parameter	Units	35894072001 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	1.8	2.0	92	98	75-125	7	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

QC Batch: 1030417
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

METHOD BLANK: 5662027 Matrix: Water
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	08/01/24 16:37	
Beryllium	ug/L	0.17 U	4.0	0.17	08/01/24 16:37	
Cadmium	ug/L	0.33 U	1.0	0.33	08/01/24 16:37	
Chromium	ug/L	1.7 U	5.0	1.7	08/01/24 16:37	
Cobalt	ug/L	0.96 U	10.0	0.96	08/01/24 16:37	
Copper	ug/L	2.6 U	5.0	2.6	08/01/24 16:37	
Iron	ug/L	25.0 U	40.0	25.0	08/01/24 16:37	
Lead	ug/L	2.1 U	10.0	2.1	08/01/24 16:37	
Nickel	ug/L	1.0 U	5.0	1.0	08/01/24 16:37	
Selenium	ug/L	3.9 U	15.0	3.9	08/01/24 16:37	
Silver	ug/L	1.0 U	5.0	1.0	08/01/24 16:37	
Sodium	mg/L	0.54 U	2.0	0.54	08/01/24 16:37	
Vanadium	ug/L	1.0 U	10.0	1.0	08/01/24 16:37	
Zinc	ug/L	11.0 U	20.0	11.0	08/01/24 16:37	

LABORATORY CONTROL SAMPLE: 5662028

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	264	106	80-120	
Beryllium	ug/L	25	25.1	100	80-120	
Cadmium	ug/L	25	25.2	101	80-120	
Chromium	ug/L	250	252	101	80-120	
Cobalt	ug/L	250	254	102	80-120	
Copper	ug/L	250	254	102	80-120	
Iron	ug/L	2500	2650	106	80-120	
Lead	ug/L	250	260	104	80-120	
Nickel	ug/L	250	257	103	80-120	
Selenium	ug/L	250	239	95	80-120	
Silver	ug/L	25	25.6	103	80-120	
Sodium	mg/L	12.5	12.9	103	80-120	
Vanadium	ug/L	250	260	104	80-120	
Zinc	ug/L	1250	1250	100	80-120	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5662029 5662030

Parameter	Units	35894420001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	10.1	250	250	273	284	105	109	75-125	4	20	
Beryllium	ug/L	0.17 U	25	25	25.7	25.8	103	103	75-125	1	20	
Cadmium	ug/L	0.33 U	25	25	24.5	24.7	98	99	75-125	1	20	
Chromium	ug/L	17.1	250	250	271	281	102	106	75-125	4	20	
Cobalt	ug/L	3.4 I	250	250	254	256	100	101	75-125	1	20	
Copper	ug/L	2.6 U	250	250	257	266	102	106	75-125	4	20	
Iron	ug/L	36500	2500	2500	38100	38900	62	96	75-125	2	20	J(M1)
Lead	ug/L	2.1 U	250	250	255	257	101	102	75-125	1	20	
Nickel	ug/L	36.8	250	250	291	293	102	102	75-125	1	20	
Selenium	ug/L	3.9 U	250	250	236	238	95	95	75-125	1	20	
Silver	ug/L	1.0 U	25	25	25.3	27.0	99	106	75-125	6	20	
Sodium	mg/L	7030 ug/L	12.5	12.5	19.8	20.2	102	105	75-125	2	20	
Vanadium	ug/L	4.8 I	250	250	269	279	106	110	75-125	4	20	
Zinc	ug/L	11.0 U	1250	1250	1220	1230	98	98	75-125	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

QC Batch: 1030416
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

METHOD BLANK: 5662019 Matrix: Water
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	08/06/24 14:58	
Arsenic	ug/L	0.50 U	1.0	0.50	08/06/24 14:58	
Thallium	ug/L	0.11 U	1.0	0.11	08/06/24 14:58	

LABORATORY CONTROL SAMPLE: 5662020

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	52.7	105	80-120	
Arsenic	ug/L	50	54.0	108	80-120	
Thallium	ug/L	50	55.3	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5662021 5662022

Parameter	Units	35894420002 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	52.8	53.6	105	106	75-125	1	20	
Arsenic	ug/L	144	50	50	193	198	98	108	75-125	3	20	
Thallium	ug/L	0.31 I	50	50	55.1	56.6	110	113	75-125	3	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

QC Batch: 1030337
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

METHOD BLANK: 5661731
Matrix: Water
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	07/31/24 09:53	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/31/24 09:53	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	07/31/24 09:53	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	07/31/24 09:53	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	07/31/24 09:53	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	07/31/24 09:53	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	07/31/24 09:53	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	07/31/24 09:53	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	07/31/24 09:53	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	07/31/24 09:53	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	07/31/24 09:53	
2-Hexanone	ug/L	6.6 U	25.0	6.6	07/31/24 09:53	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	07/31/24 09:53	
Acetone	ug/L	8.7 U	25.0	8.7	07/31/24 09:53	J(v1)
Acrylonitrile	ug/L	3.7 U	20.0	3.7	07/31/24 09:53	
Benzene	ug/L	0.30 U	1.0	0.30	07/31/24 09:53	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	07/31/24 09:53	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	07/31/24 09:53	
Bromoform	ug/L	0.48 U	3.0	0.48	07/31/24 09:53	
Bromomethane	ug/L	3.9 U	10.0	3.9	07/31/24 09:53	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	07/31/24 09:53	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	07/31/24 09:53	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	07/31/24 09:53	
Chloroethane	ug/L	3.7 U	10.0	3.7	07/31/24 09:53	
Chloroform	ug/L	0.56 U	1.0	0.56	07/31/24 09:53	
Chloromethane	ug/L	0.43 U	1.0	0.43	07/31/24 09:53	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	07/31/24 09:53	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	07/31/24 09:53	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	07/31/24 09:53	
Dibromomethane	ug/L	0.68 U	2.0	0.68	07/31/24 09:53	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	07/31/24 09:53	
Iodomethane	ug/L	3.6 U	10.0	3.6	07/31/24 09:53	J(v2)
m&p-Xylene	ug/L	0.75 U	4.0	0.75	07/31/24 09:53	
Methylene Chloride	ug/L	1.7 U	5.0	1.7	07/31/24 09:53	J(v1)
o-Xylene	ug/L	0.57 U	1.0	0.57	07/31/24 09:53	
Styrene	ug/L	0.26 U	1.0	0.26	07/31/24 09:53	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	07/31/24 09:53	
Toluene	ug/L	0.33 U	1.0	0.33	07/31/24 09:53	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	07/31/24 09:53	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

METHOD BLANK: 5661731 Matrix: Water

Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	07/31/24 09:53	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	07/31/24 09:53	J(v2)
Trichloroethene	ug/L	0.36 U	1.0	0.36	07/31/24 09:53	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	07/31/24 09:53	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	07/31/24 09:53	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	07/31/24 09:53	J(v1)
Xylene (Total)	ug/L	2.1 U	5.0	2.1	07/31/24 09:53	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130		07/31/24 09:53	
4-Bromofluorobenzene (S)	%	95	70-130		07/31/24 09:53	
Toluene-d8 (S)	%	103	70-130		07/31/24 09:53	

LABORATORY CONTROL SAMPLE: 5661732

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.0	90	70-130	
1,1,1-Trichloroethane	ug/L	20	19.8	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.2	96	68-125	
1,1,2-Trichloroethane	ug/L	20	18.5	93	70-130	
1,1-Dichloroethane	ug/L	20	21.0	105	70-130	
1,1-Dichloroethene	ug/L	20	21.1	106	66-133	
1,2,3-Trichloropropane	ug/L	20	20.3	101	62-127	
1,2-Dichlorobenzene	ug/L	20	19.2	96	70-130	
1,2-Dichloropropane	ug/L	20	20.8	104	70-130	
1,4-Dichlorobenzene	ug/L	20	19.7	99	70-130	
2-Butanone (MEK)	ug/L	100	92.4	92	47-143	
2-Hexanone	ug/L	100	104	104	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	101	101	57-132	
Acetone	ug/L	100	121	121	46-148	J(v1)
Acrylonitrile	ug/L	100	106	106	60-143	
Benzene	ug/L	20	20.1	100	70-130	
Bromochloromethane	ug/L	20	19.7	98	70-130	
Bromodichloromethane	ug/L	20	20.0	100	70-130	
Bromoform	ug/L	20	17.0	85	49-126	
Bromomethane	ug/L	20	4.1 I	21	10-165	J(v3)
Carbon disulfide	ug/L	20	20.5	103	60-141	
Carbon tetrachloride	ug/L	20	19.2	96	63-126	
Chlorobenzene	ug/L	20	19.3	96	70-130	
Chloroethane	ug/L	20	21.0	105	71-142	
Chloroform	ug/L	20	19.7	98	70-130	
Chloromethane	ug/L	20	21.3	107	40-140	
cis-1,2-Dichloroethene	ug/L	20	20.9	105	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.0	95	70-130	
Dibromochloromethane	ug/L	20	18.7	93	62-118	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

LABORATORY CONTROL SAMPLE: 5661732

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromomethane	ug/L	20	18.0	90	70-130	
Ethylbenzene	ug/L	20	19.3	96	70-130	
Iodomethane	ug/L	20	3.6 U	13	10-164	J(v3)
m&p-Xylene	ug/L	40	39.3	98	70-130	
Methylene Chloride	ug/L	20	24.5	123	65-136	J(v1)
o-Xylene	ug/L	20	19.4	97	70-130	
Styrene	ug/L	20	19.3	96	70-130	
Tetrachloroethene	ug/L	20	18.9	94	64-134	
Toluene	ug/L	20	19.3	97	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.8	109	68-127	
trans-1,3-Dichloropropene	ug/L	20	19.4	97	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	13.3	66	42-129	J(v3)
Trichloroethene	ug/L	20	19.0	95	70-130	
Trichlorofluoromethane	ug/L	20	19.3	97	65-135	
Vinyl acetate	ug/L	20	16.7	83	60-144	
Vinyl chloride	ug/L	20	24.6	123	68-131	J(v1)
Xylene (Total)	ug/L	60	58.7	98	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 5661734

Parameter	Units	35895108002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	15.5	77	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	17.9	89	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	15.7	78	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	15.9	80	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	18.9	94	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	18.5	92	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	16.8	84	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	14.0	70	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	18.3	91	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	14.5	72	70-130	
2-Butanone (MEK)	ug/L	6.7 U	100	99.5	100	47-143	
2-Hexanone	ug/L	6.6 U	100	98.6	99	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	95.4	95	57-132	
Acetone	ug/L	8.7 U	100	124	124	46-148	J(v1)
Acrylonitrile	ug/L	3.7 U	100	104	104	60-143	
Benzene	ug/L	0.30 U	20	17.8	89	70-130	
Bromochloromethane	ug/L	0.37 U	20	17.5	87	70-130	
Bromodichloromethane	ug/L	0.19 U	20	18.0	90	70-130	
Bromoform	ug/L	0.48 U	20	14.4	72	49-126	
Bromomethane	ug/L	3.9 U	20	3.9 U	14	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	17.8	89	60-141	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

MATRIX SPIKE SAMPLE: 5661734

Parameter	Units	35895108002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	0.44 U	20	17.1	85	63-126	
Chlorobenzene	ug/L	0.35 U	20	15.4	77	70-130	
Chloroethane	ug/L	3.7 U	20	19.1	96	71-142	
Chloroform	ug/L	0.56 U	20	17.2	86	70-130	
Chloromethane	ug/L	0.43 U	20	17.3	86	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	18.5	93	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	15.5	78	70-130	
Dibromochloromethane	ug/L	0.45 U	20	15.7	79	62-118	
Dibromomethane	ug/L	0.68 U	20	16.3	82	70-130	
Ethylbenzene	ug/L	0.30 U	20	15.3	76	70-130	
Iodomethane	ug/L	3.6 U	20	3.6 U	14	10-164	J(v3)
m&p-Xylene	ug/L	0.75 U	40	30.5	76	70-130	
Methylene Chloride	ug/L	1.7 U	20	21.5	107	65-136	J(v1)
o-Xylene	ug/L	0.57 U	20	15.4	77	70-130	
Styrene	ug/L	0.26 U	20	15.5	77	70-130	
Tetrachloroethene	ug/L	0.38 U	20	14.6	73	64-134	
Toluene	ug/L	0.33 U	20	16.0	80	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	18.4	92	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	15.2	76	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	10.7	53	42-129	J(v3)
Trichloroethene	ug/L	0.36 U	20	15.8	79	70-130	
Trichlorofluoromethane	ug/L	0.72 U	20	19.0	95	65-135	
Vinyl acetate	ug/L	1.8 U	20	14.4	72	60-144	
Vinyl chloride	ug/L	0.39 U	20	21.8	109	68-131	J(v1)
Xylene (Total)	ug/L	2.1 U	60	45.9	76	70-130	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 5661733

Parameter	Units	35895108001 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	
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 2nd Semiannual RRF
Pace Project No.: 35895108

SAMPLE DUPLICATE: 5661733

Parameter	Units	35895108001 Result	Dup Result	RPD	Max RPD	Qualifiers
Acetone	ug/L	8.7 U	8.7 U		40	J(v1)
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	
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	J(v1)
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	
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)	%	97	98		40	
Toluene-d8 (S)	%	98	100		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

QC Batch: 1030855
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

METHOD BLANK: 5664273 Matrix: Water
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	08/03/24 18:16	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	08/03/24 18:16	

LABORATORY CONTROL SAMPLE: 5664274

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.21	86	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.23	94	60-140	

MATRIX SPIKE SAMPLE: 5664280

Parameter	Units	35895095001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0067 U	0.26	0.26	98	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0079 U	0.26	0.28	106	60-140	

SAMPLE DUPLICATE: 5664281

Parameter	Units	35895095003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0068 U	0.0068 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0079 U	0.0080 U		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

QC Batch: 1030424 — Analysis Method: SM 2320B
QC Batch Method: SM 2320B — Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

METHOD BLANK: 5662051 — Matrix: Water
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	5.0 U	5.0	5.0	07/31/24 13:18	

LABORATORY CONTROL SAMPLE: 5662052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	250	235	94	90-110	

SAMPLE DUPLICATE: 5662053

Parameter	Units	35895095001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	199	198	0	20	

SAMPLE DUPLICATE: 5662054

Parameter	Units	35895108005 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	207	204	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

QC Batch: 1030727 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006

METHOD BLANK: 5663606 Matrix: Water
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	08/01/24 12:39	

LABORATORY CONTROL SAMPLE: 5663607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	290	97	90-110	

SAMPLE DUPLICATE: 5663608

Parameter	Units	35894885005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	728	716	2	10	

SAMPLE DUPLICATE: 5663609

Parameter	Units	35894885006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	376	373	1	10	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

QC Batch: 1030729
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895108007, 35895108008

METHOD BLANK: 5663614 Matrix: Water
Associated Lab Samples: 35895108007, 35895108008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	08/01/24 11:11	

LABORATORY CONTROL SAMPLE: 5663615

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	294	98	90-110	

SAMPLE DUPLICATE: 5663627

Parameter	Units	35895118001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	998	1020	2	10	

SAMPLE DUPLICATE: 5663628

Parameter	Units	35895118002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1200	1200	0	10	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

QC Batch: 1030745
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895108001

METHOD BLANK: 5663657 Matrix: Water
Associated Lab Samples: 35895108001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	08/02/24 03:40	

LABORATORY CONTROL SAMPLE: 5663658

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: 5665502 5665503

Parameter	Units	35894699001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	123	100	100	234	229	110	106	90-110	2	20	L

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

QC Batch: 1030811 | 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: 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007

METHOD BLANK: 5664080 Matrix: Water
Associated Lab Samples: 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	08/01/24 16:59	

LABORATORY CONTROL SAMPLE: 5664081

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: 5666544 5666545

Parameter	Units	35895108002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	61.1	50	50	117	117	111	111	90-110	0	20	J(M1), L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5666546 5666547

Parameter	Units	35895241006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	36.1	50	50	90.4	90.5	109	109	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

QC Batch: 1031345
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895108008

METHOD BLANK: 5667364 Matrix: Water
Associated Lab Samples: 35895108008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	08/04/24 17:07	

LABORATORY CONTROL SAMPLE: 5667365

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	45.3	91	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5667681 5667682

Parameter	Units	35894132001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	10.1	50	50	57.3	57.3	94	94	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5667683 5667684

Parameter	Units	35894143001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	6.6	50	50	52.6	52.6	92	92	90-110	0	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

QC Batch: 1031640
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

METHOD BLANK: 5668446 Matrix: Water
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	08/06/24 11:48	

LABORATORY CONTROL SAMPLE: 5668447

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5668449 5668448

Parameter	Units	35894815002 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	30.6	5	5	35.6	35.1	100	88	90-110	2	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5668450 5668451

Parameter	Units	35895108002 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	1.4	1	1	2.4	2.4	99	104	90-110	2	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

QC Batch: 1030529 — 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: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

METHOD BLANK: 5662590 — Matrix: Water
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.20 U	0.50	0.20	08/02/24 13:21	

LABORATORY CONTROL SAMPLE: 5662591

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5662593 — 5662592

Parameter	Units	35895095001 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	1.1	20	20	20.2	20.5	96	97	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5662595 — 5662594

Parameter	Units	35895192004 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	<0.20	20	20	19.0	18.8	95	94	90-110	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

QC Batch: 1030317
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

METHOD BLANK: 5661645 Matrix: Water
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	07/31/24 09:17	
Nitrogen, NO2 plus NO3	mg/L	0.015 U	0.050	0.015	07/31/24 09:17	

LABORATORY CONTROL SAMPLE: 5661646

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: 5661648 5661647

Parameter	Units	35894991001 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	12.2	20	20	32.1	30.6	100	92	90-110	5	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661650 5661649

Parameter	Units	35895095006 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	0.024 I	2	2	2.0	2.1	100	102	90-110	2	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

QC Batch: 1030371
QC Batch Method: EPA 410.4
Analysis Method: EPA 410.4
Analysis Description: 410.4 COD
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

METHOD BLANK: 5661883 Matrix: Water
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007, 35895108008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5 U	20.0	12.5	08/04/24 16:23	

LABORATORY CONTROL SAMPLE: 5661884

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	511	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661886 5661885

Parameter	Units	35894822001 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	13.1 I	500	500	514	503	100	98	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661888 5661887

Parameter	Units	35895108001 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	21.4	500	500	520	530	100	102	90-110	2	20	

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REPORT OF LABORATORY ANALYSIS

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Pompano Beach, FL 33064
(954)582-4300

QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

QC Batch: 1030381 | Analysis Method: SM 5310B
QC Batch Method: SM 5310B | Analysis Description: 5310B TOC
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007

METHOD BLANK: 5661914 Matrix: Water
Associated Lab Samples: 35895108001, 35895108002, 35895108003, 35895108004, 35895108005, 35895108006, 35895108007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	07/31/24 21:46	

LABORATORY CONTROL SAMPLE: 5661915

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661916 5661917

Parameter	Units	35895161001 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	3.2	20	20	24.3	23.7	105	102	80-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661918 5661919

Parameter	Units	35895095005 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	26.3	26.8	95	98	80-120	2	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

QC Batch: 1030388
QC Batch Method: SM 5310B
Analysis Method: SM 5310B
Analysis Description: 5310B TOC
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895108008

METHOD BLANK: 5661932 Matrix: Water
Associated Lab Samples: 35895108008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	07/31/24 14:07	

LABORATORY CONTROL SAMPLE: 5661933

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: 5661934 5661935

Parameter	Units	20324697003 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	1.7	20	20	21.4	21.3	98	98	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5661936 5661937

Parameter	Units	35895054001 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	20	20	19.8	19.5	98	97	80-120	1	20	

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QUALIFIERS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

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 2nd Semiannual RRF
Pace Project No.: 35895108

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35895108001	**RR3(30)**				
35895108002	**RR3(60)**				
35895108003	**RR3(20)**				
35895108004	**RR3(20) Duplicate**				
35895108005	**RR1(60)**				
35895108006	**RR1(30)**				
35895108007	**RR1(15)**				
35895108001	**RR3(30)**	EPA 8011	1030855	EPA 8011	1031297
35895108002	**RR3(60)**	EPA 8011	1030855	EPA 8011	1031297
35895108003	**RR3(20)**	EPA 8011	1030855	EPA 8011	1031297
35895108004	**RR3(20) Duplicate**	EPA 8011	1030855	EPA 8011	1031297
35895108005	**RR1(60)**	EPA 8011	1030855	EPA 8011	1031297
35895108006	**RR1(30)**	EPA 8011	1030855	EPA 8011	1031297
35895108007	**RR1(15)**	EPA 8011	1030855	EPA 8011	1031297
35895108008	**EQ Blank 0730242**	EPA 8011	1030855	EPA 8011	1031297
35895108001	**RR3(30)**	EPA 3010	1030417	EPA 6010	1030526
35895108002	**RR3(60)**	EPA 3010	1030417	EPA 6010	1030526
35895108003	**RR3(20)**	EPA 3010	1030417	EPA 6010	1030526
35895108004	**RR3(20) Duplicate**	EPA 3010	1030417	EPA 6010	1030526
35895108005	**RR1(60)**	EPA 3010	1030417	EPA 6010	1030526
35895108006	**RR1(30)**	EPA 3010	1030417	EPA 6010	1030526
35895108007	**RR1(15)**	EPA 3010	1030417	EPA 6010	1030526
35895108008	**EQ Blank 0730242**	EPA 3010	1030417	EPA 6010	1030526
35895108001	**RR3(30)**	EPA 3010	1030416	EPA 6020	1030525
35895108002	**RR3(60)**	EPA 3010	1030416	EPA 6020	1030525
35895108003	**RR3(20)**	EPA 3010	1030416	EPA 6020	1030525
35895108004	**RR3(20) Duplicate**	EPA 3010	1030416	EPA 6020	1030525
35895108005	**RR1(60)**	EPA 3010	1030416	EPA 6020	1030525
35895108006	**RR1(30)**	EPA 3010	1030416	EPA 6020	1030525
35895108007	**RR1(15)**	EPA 3010	1030416	EPA 6020	1030525
35895108008	**EQ Blank 0730242**	EPA 3010	1030416	EPA 6020	1030525
35895108001	**RR3(30)**	EPA 7470	1031332	EPA 7470	1031337
35895108002	**RR3(60)**	EPA 7470	1031332	EPA 7470	1031337
35895108003	**RR3(20)**	EPA 7470	1031332	EPA 7470	1031337
35895108004	**RR3(20) Duplicate**	EPA 7470	1031332	EPA 7470	1031337
35895108005	**RR1(60)**	EPA 7470	1031332	EPA 7470	1031337
35895108006	**RR1(30)**	EPA 7470	1031332	EPA 7470	1031337
35895108007	**RR1(15)**	EPA 7470	1031332	EPA 7470	1031337
35895108008	**EQ Blank 0730242**	EPA 7470	1031332	EPA 7470	1031337
35895108001	**RR3(30)**	EPA 8260	1030337		
35895108002	**RR3(60)**	EPA 8260	1030337		
35895108003	**RR3(20)**	EPA 8260	1030337		
35895108004	**RR3(20) Duplicate**	EPA 8260	1030337		
35895108005	**RR1(60)**	EPA 8260	1030337		
35895108006	**RR1(30)**	EPA 8260	1030337		
35895108007	**RR1(15)**	EPA 8260	1030337		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35895108008	**EQ Blank 0730242**	EPA 8260	1030337		
35895108001	**RR3(30)**	SM 2320B	1030424		
35895108002	**RR3(60)**	SM 2320B	1030424		
35895108003	**RR3(20)**	SM 2320B	1030424		
35895108004	**RR3(20) Duplicate**	SM 2320B	1030424		
35895108005	**RR1(60)**	SM 2320B	1030424		
35895108006	**RR1(30)**	SM 2320B	1030424		
35895108007	**RR1(15)**	SM 2320B	1030424		
35895108008	**EQ Blank 0730242**	SM 2320B	1030424		
35895108001	**RR3(30)**	SM 2540C	1030727		
35895108002	**RR3(60)**	SM 2540C	1030727		
35895108003	**RR3(20)**	SM 2540C	1030727		
35895108004	**RR3(20) Duplicate**	SM 2540C	1030727		
35895108005	**RR1(60)**	SM 2540C	1030727		
35895108006	**RR1(30)**	SM 2540C	1030727		
35895108007	**RR1(15)**	SM 2540C	1030729		
35895108008	**EQ Blank 0730242**	SM 2540C	1030729		
35895108001	**RR3(30)**	TKN-NH3 Calculation	1031865		
35895108002	**RR3(60)**	TKN-NH3 Calculation	1031865		
35895108003	**RR3(20)**	TKN-NH3 Calculation	1031865		
35895108004	**RR3(20) Duplicate**	TKN-NH3 Calculation	1031865		
35895108005	**RR1(60)**	TKN-NH3 Calculation	1031865		
35895108006	**RR1(30)**	TKN-NH3 Calculation	1031865		
35895108007	**RR1(15)**	TKN-NH3 Calculation	1031865		
35895108008	**EQ Blank 0730242**	TKN-NH3 Calculation	1031865		
35895108001	**RR3(30)**	EPA 300.0	1030745		
35895108002	**RR3(60)**	EPA 300.0	1030811		
35895108003	**RR3(20)**	EPA 300.0	1030811		
35895108004	**RR3(20) Duplicate**	EPA 300.0	1030811		
35895108005	**RR1(60)**	EPA 300.0	1030811		
35895108006	**RR1(30)**	EPA 300.0	1030811		
35895108007	**RR1(15)**	EPA 300.0	1030811		
35895108008	**EQ Blank 0730242**	EPA 300.0	1031345		
35895108001	**RR3(30)**	EPA 350.1	1031640		
35895108002	**RR3(60)**	EPA 350.1	1031640		
35895108003	**RR3(20)**	EPA 350.1	1031640		
35895108004	**RR3(20) Duplicate**	EPA 350.1	1031640		
35895108005	**RR1(60)**	EPA 350.1	1031640		
35895108006	**RR1(30)**	EPA 350.1	1031640		
35895108007	**RR1(15)**	EPA 350.1	1031640		
35895108008	**EQ Blank 0730242**	EPA 350.1	1031640		
35895108001	**RR3(30)**	EPA 351.2	1030529	EPA 351.2	1031016
35895108002	**RR3(60)**	EPA 351.2	1030529	EPA 351.2	1031016
35895108003	**RR3(20)**	EPA 351.2	1030529	EPA 351.2	1031016

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895108

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35895108004	**RR3(20) Duplicate**	EPA 351.2	1030529	EPA 351.2	1031016
35895108005	**RR1(60)**	EPA 351.2	1030529	EPA 351.2	1031016
35895108006	**RR1(30)**	EPA 351.2	1030529	EPA 351.2	1031016
35895108007	**RR1(15)**	EPA 351.2	1030529	EPA 351.2	1031016
35895108008	**EQ Blank 0730242**	EPA 351.2	1030529	EPA 351.2	1031016
35895108001	**RR3(30)**	EPA 353.2	1030317		
35895108002	**RR3(60)**	EPA 353.2	1030317		
35895108003	**RR3(20)**	EPA 353.2	1030317		
35895108004	**RR3(20) Duplicate**	EPA 353.2	1030317		
35895108005	**RR1(60)**	EPA 353.2	1030317		
35895108006	**RR1(30)**	EPA 353.2	1030317		
35895108007	**RR1(15)**	EPA 353.2	1030317		
35895108008	**EQ Blank 0730242**	EPA 353.2	1030317		
35895108001	**RR3(30)**	EPA 410.4	1030371	EPA 410.4	1031375
35895108002	**RR3(60)**	EPA 410.4	1030371	EPA 410.4	1031375
35895108003	**RR3(20)**	EPA 410.4	1030371	EPA 410.4	1031375
35895108004	**RR3(20) Duplicate**	EPA 410.4	1030371	EPA 410.4	1031375
35895108005	**RR1(60)**	EPA 410.4	1030371	EPA 410.4	1031375
35895108006	**RR1(30)**	EPA 410.4	1030371	EPA 410.4	1031375
35895108007	**RR1(15)**	EPA 410.4	1030371	EPA 410.4	1031375
35895108008	**EQ Blank 0730242**	EPA 410.4	1030371	EPA 410.4	1031375
35895108001	**RR3(30)**	SM 5310B	1030381		
35895108002	**RR3(60)**	SM 5310B	1030381		
35895108003	**RR3(20)**	SM 5310B	1030381		
35895108004	**RR3(20) Duplicate**	SM 5310B	1030381		
35895108005	**RR1(60)**	SM 5310B	1030381		
35895108006	**RR1(30)**	SM 5310B	1030381		
35895108007	**RR1(15)**	SM 5310B	1030381		
35895108008	**EQ Blank 0730242**	SM 5310B	1030388		

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

WO# : 35895108

35895108

Company Name:	Miami-Dade Department of Solid Waste Management	Contact/Report To:	Mario Porcelli
Street Address:	2525 NW 62, Miami, FL 33147	Phone #:	(305)592-1187
		E-Mail:	mario.porcelli@miamidade.gov
		Cc E-Mail:	
Customer Project #:			
Project Name:	FDEP 2nd Semiannual RRF	Invoice To:	Mario Porcelli
		Invoice E-Mail:	mario.porcelli@miamidade.gov
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	SW0000002055
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Florida

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

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:

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 Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	5310B TOC	8011 GCS EDB and DBCP	8260 MSV	Alkalinity, TDS	Metals 6010/6020/7470	NH3 TKN TON COD	NO2, NO3, CL	Sample Comment
RR3 (30)					7/30/24	802	11			X	X	X	X	X	X	X	
RR3 (60)						903											
RR3 (20)						932											
DUPE						939											
RR1 (60)						1032											
RR1 (30)						1106											
RR1 (15)						1127											
EQ Blank						1134											

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

** 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) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Rossy Guima

AcctNum / Client ID:

Table #:

Profile / Template: 3549

Prelog / Bottle Ord. ID: EZ 3128792

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By:
(Printed Name) Richard Flores
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Pace	7/30/24 1310		7/30/24 1310	
Relinquished by/Company: (Signature)	Date/Time: 7/30/24 1830	Received by/Company: (Signature)	Date/Time: 7/30/24 2232	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: of

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/

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: RRK	SITE LOCATION: Doral	
WELL NO: RR3 (30)	SAMPLE ID: RR3(30)	DATE: 7/30/14

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 12.76	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 feet – 12.76 feet) X 0.16 gallons/foot = 2.75 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): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 745	PURGING ENDED AT: 801	TOTAL VOLUME PURGED (gallons): 4.8

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
755	3.0	3.0	0.30	12.76	7.10	26.6	522	0.6/0.05	0.20	clear	Mild
758	0.9	3.9	"	"	7.10	26.6	522	0.5/0.04	0.16	"	"
801	0.9	4.8	"	"	7.10	26.6	523	0.5/0.04	0.10	"	"

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 Flores / Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 802	SAMPLING ENDED AT: 808
PUMP OR TUBING DEPTH IN WELL (feet): 15	TUBING MATERIAL CODE: HDPE-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					
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)
RR3(30)	1	PE	500mL	cool	0	7.10	Alkalinity, TDS	APP	300
	1	PE	250mL	cool		7.10	NO_2, NO_3, Cl		
	1	PE	250mL	H_2SO_4		<2	NH_3 TKN TOC COD		
	1	PE	250mL	HNO_3		<2	Metals		
	2	CG	40mL	$Na_2S_2O_3$		<2	GCS KHB DOCP		
	2	CG	40mL	HCl		<2	TOC		
REMARKS:	3	CG	40mL	HCl		<2	MSV		

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: RNF	SITE LOCATION: Doral	
WELL NO: RN3 (60)	SAMPLE ID: RN3 (60)	DATE: 1/30/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 8.03	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)
= (60 feet – 8.03 feet) X 0.16 gallons/foot = 8.31 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: 820	PURGING ENDED AT: 902	TOTAL VOLUME PURGED (gallons): 12.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or %saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
848	8.4	8.4	0.30	8.03	6.99	26.4	640	1.2/0.10	0.92	clear	Mild
855	2.1	10.5	1	1	6.99	26.4	641	0.7/0.06	0.88	1	
902	2.1	12.6	1	1	6.99	26.4	641	0.7/0.06	0.90	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: Richard Flores / Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 903	SAMPLING ENDED AT: 909
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
RN3 (60)	1	PE	500mL	cool	0	6.99	Alkalinity, TDS	APP	300
	1	PE	250mL	cool		6.99	NO2, NO3, Cl		
	1	PE	250mL	H_2SO_4		<2	NH3 TKN TOX COD		
	1	PE	250mL	HNO_3		<2	metals		
	2	CG	40mL	$Na_2S_2O_3$		<2	GCS HOBS DOC/P		
	2	CG	40mL	HCl		<2	TOC		
REMARKS:	3	CG	40mL	HCl		<2	MSV		

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: RRF	SITE LOCATION: Doral	
WELL NO: RR3 (70)	SAMPLE ID: RR3 (20)	DATE: 7/30/26

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.86	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 feet – 7.86 feet) x 0.16 gallons/foot = 1.94 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 920	PURGING ENDED AT: 931	TOTAL VOLUME PURGED (gallons): 3.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
927	2.1	2.1	0.30	7.86	7.08	27.0	591	1.2/0.09	3.14	clear	Mild
929	0.6	2.7	1	1	7.08	27.0	591	1.1/0.09	1.64	1	1
931	0.6	3.3	1	1	7.08	27.1	591	1.1/0.09	1.22	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: Michael Flores IPACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 932	SAMPLING ENDED AT: 938
PUMP OR TUBING DEPTH IN WELL (feet): 10	TUBING MATERIAL CODE: HDPE-S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
RR3	1	PE	500mL	ICE	6	7.08	Alkalinity, TDS	APP	300
	1	PE	250mL	ICE		7.08	NO2, NO3, Cl		
	1	PE	250mL	H_2SO_4		<2	NH3 TKN TON COD		
	1	PE	250mL	HNO_3		<2	Metals		
	2	CG	40mL	$Na_2S_2O_3$		<2	GCS KDB DOC		
	2	CG	40mL	HCl		<2	TOC		
REMARKS:	3	CG	40mL	HCl		<2	MSV		

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: RMF	SITE LOCATION: Doral	
WELL NO: RMI(60)	SAMPLE ID: RMI(60)	DATE: 7/30/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 9.85	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)
= (60 feet – 9.85 feet) X 0.16 gallons/foot = 8.02 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): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 950	PURGING ENDED AT: 1031	TOTAL VOLUME PURGED (gallons): 12.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1017	8.1	8.1	0.30	9.85	7.19	26.7	530	0.1 10.01	6.74	Clear	Mild
1024	2.1	10.2	"	"	7.19	26.7	529	0.1 10.01	7.38	"	"
1031	2.1	12.3	"	"	7.19	26.7	530	0.1 10.01	7.14	"	"

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./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 Flores / Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1032	SAMPLING ENDED AT: 1038
PUMP OR TUBING DEPTH IN WELL (feet): 15	TUBING MATERIAL CODE: HDPE-S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
RMI(60)	1	PE	500mL	COOL	0	7.19	Alkalinity, TDS	APP	300
	1	PE	250mL	COOL		7.19	NO2, NO3, Cl		
	1	PE	250mL	H_2SO_4		<2	NH3 TKN TON (CO)		
	1	PE	250mL	HNO_3		<2	Metals		
	2	CG	40mL	$Na_2S_2O_3$		<2	CCS HAB DBCP		
	2	CG	40mL	HCl		<2	TOC		
REMARKS:	3	CG	40mL	HCl		<2	MSV		

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: RRF	SITE LOCATION: Doral	
WELL NO: RR1(30)	SAMPLE ID: RR1(30)	DATE: 7/30/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.24	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 feet − 10.24 feet) X 0.16 gallons/foot = 3.16 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): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 1048	PURGING ENDED AT: 1105	TOTAL VOLUME PURGED (gallons): 5.1

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1059	3.3	3.3	0.30	10.24	7.23	26.9	466	0.6/0.06	3.43	clear	Mild
1102	0.9	4.2	"	"	7.24	26.9	467	0.7/0.05	3.62	"	"
1105	0.9	5.1	"	"	7.24	26.9	467	0.6/0.04	3.71	"	"

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 Flores/Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1106	SAMPLING ENDED AT: 1112
PUMP OR TUBING DEPTH IN WELL (feet): 15	TUBING MATERIAL CODE: HDPE-S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
RR1(30)	1	PE	500mL	cool	0	7.24	Alkalinity, TDS	APP	300
	1	PE	250mL	cool		7.24	NO2, NO3, Cl		
	1	PE	250mL	H2SO4		<2	NH3 TKN TON COD		
	1	PE	250mL	HNO3		<2	Metals		
	2	CG	40mL	Na2S2O3		<2	GCS KDD DOCP		
	2	CG	40mL	HCl		<2	TOC		
REMARKS:	3	CG	40mL	HCl		<2	VOA		

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: RRF	SITE LOCATION: Doral	
WELL NO: RRI (IS)	SAMPLE ID: RRI (IS)	DATE: 7/30/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 9.28	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15 feet – 9.28 feet) X 0.16 gallons/foot = 0.91 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: 1120	PURGING ENDED AT: 1126	TOTAL VOLUME PURGED (gallons): 1.8

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or %saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1124	1.2	1.2	0.30	9.28	7.11	29.1	753	2.8/0.21	3.29	Clear	Mild
1125	0.3	1.5	"	"	7.11	29.1	754	2.7/0.21	3.06	"	"
1126	0.3	1.8	"	"	7.11	29.1	754	2.7/0.21	2.82	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Richard Flores/Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1127	SAMPLING ENDED AT: 1133
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: HDPE-S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
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)
RRI (IS)	1	PE	500mL	COOl	0	7.11	Alkalinity, TDS	APP	300
	1	PE	250mL	COOl		7.11	NO2, NO3, Cl	"	"
	1	PE	250mL	H2SO4		<2	NH3 TKN TON COD	"	"
	1	PE	250mL	HNO3		<2	Metals	"	"
	2	CG	40mL	Na2S2O3		<2	GCS KDB DBCP	"	"
	2	CG	40mL	HCl		<2	TOC	"	"
REMARKS:	3	CG	40mL	HCl	"	<2	MSV	"	"

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

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

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

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

Pace

Sample Condition Upon Receipt Form (SCUR)

WO#: 35895108

PM: RYG **Due Date: 08/07/24**

CLIENT: 36-MDSWM

Project #

Project Manager:

Client:

Date and Initials of person:

Examining contents: _____

Verifying pH: _____

Thermometer Used: T-398 Date: 07/30/2024 Time: 1548 Initials: KO

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

Cooler #1 Temp.°C	3.1 (Visual)	-0.2 (Correction Factor)	2.9 (Actual)	☑Samples on ice, cooling process has begun.
Cooler #2 Temp.°C	2.8 (Visual)	_____ (Correction Factor)	2.6 (Actual)	☑Samples on ice, cooling process has begun.
Cooler #3 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	**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 ☐Melled

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**
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☐Yes	☐No	☑N/A	**Preservative:** _____ **Date:** _____ **Lot / Trace:** _____ **Time:** _____ **Amount added (mL):** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☐No	☑N/A	
Trip Blank Present:	☐Yes	☐No	☑N/A	

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

Labeled by: _____ **Reviewed by:** _____ **Delivered by:** _____

Pace

Sample Condition Upon Receipt Form (SCUR)

WO# : 35895108

PM: RYG **Due Date: 08/07/24**

CLIENT: 36-MDSWM

Project #

Project Manager:

Client:

Date and Initials of person: AM 7.31.24

Examining contents: _____

Verifying pH: NA

Thermometer Used: T-427 Date: 7/30/24 Time: 2244 Initials: MP

State of Origin: _____

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

Cooler #1 Temp.°C	4.4 (Visual)	0 (Correction Factor)	4.4 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C	1.2 (Visual)	0 (Correction Factor)	1.2 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	**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 Time:** _____

Shorted Date: _____

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 leave arcing time	
All containers needing acid / base preservation have been checked.	☑Yes	☐No	☐N/A	**Preservation Information**	
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑Yes	☐No	☐N/A	**Preservative:** _____ **Lot / Trace:** _____ **Amount added (mL):** _____	**Date:** _____ **Time:** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☑No	☐N/A		
Trip Blank Present:	☐Yes	☐No	☑N/A		

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

Labeled by: AM **Reviewed by:** _____ **Delivered by:** _____

Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

August 06, 2024

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

RE: Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895452

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on July 31, 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
Arelys Roman, Miami-Dade Department of Solid Waste Management

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CERTIFICATIONS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895452

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
Nevada Certification: FL NELAC Reciprocity
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 2nd Semiannual 58th
Pace Project No.: 35895452

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35895452001	**M13(60)**	Water	07/31/24 11:32	07/31/24 13:10
35895452002	**M13(20)**	Water	07/31/24 11:56	07/31/24 13:10
35895452003	**M13(20) Duplicate**	Water	07/31/24 11:56	07/31/24 13:10
35895452004	**EQ Blank 073124**	Water	07/31/24 11:59	07/31/24 13:10

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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895452

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35895452001	**M13(60)**	EPA 6010	AF	1	PASI-O
		SM 2540C	VAG	1	PASI-O
35895452002	**M13(20)**	EPA 6010	AF	1	PASI-O
		SM 2540C	VAG	1	PASI-O
35895452003	**M13(20) Duplicate**	EPA 6010	AF	1	PASI-O
		SM 2540C	VAG	1	PASI-O
35895452004	**EQ Blank 073124**	EPA 6010	AF	1	PASI-O
		SM 2540C	VAG	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895452

Sample: M13(60) **Lab ID: 35895452001** Collected: 07/31/24 11:32 Received: 07/31/24 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.89**	Std. Units			1		07/31/24 11:32		
Field Temperature	**26.3**	deg C			1		07/31/24 11:32		
Field Specific Conductance	**789**	umhos/cm			1		07/31/24 11:32		
Oxygen, Dissolved	**0.3**	mg/L			1		07/31/24 11:32	7782-44-7	
Turbidity	**14.96**	NTU			1		07/31/24 11:32		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**1920**	ug/L	40.0	25.0	1	08/03/24 01:52	08/05/24 16:09	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**458**	mg/L	5.0	5.0	1		08/04/24 11:46		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895452

Sample: M13(20) **Lab ID: 35895452002** Collected: 07/31/24 11:56 Received: 07/31/24 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.82**	Std. Units			1		07/31/24 11:56		
Field Temperature	**27.0**	deg C			1		07/31/24 11:56		
Field Specific Conductance	**796**	umhos/cm			1		07/31/24 11:56		
Oxygen, Dissolved	**1.4**	mg/L			1		07/31/24 11:56	7782-44-7	
Turbidity	**6.74**	NTU			1		07/31/24 11:56		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**1070**	ug/L	40.0	25.0	1	08/03/24 01:52	08/05/24 16:12	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**432**	mg/L	5.0	5.0	1		08/04/24 11:46		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895452

Sample: M13(20) Duplicate **Lab ID: 35895452003** Collected: 07/31/24 11:56 Received: 07/31/24 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.82**	Std. Units			1		07/31/24 11:56		
Field Temperature	**27.0**	deg C			1		07/31/24 11:56		
Field Specific Conductance	**796**	umhos/cm			1		07/31/24 11:56		
Oxygen, Dissolved	**1.4**	mg/L			1		07/31/24 11:56	7782-44-7	
Turbidity	**6.74**	NTU			1		07/31/24 11:56		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**1040**	ug/L	40.0	25.0	1	08/03/24 01:52	08/05/24 16:28	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**428**	mg/L	5.0	5.0	1		08/04/24 11:46		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895452

Sample: EQ Blank 073124 **Lab ID: 35895452004** Collected: 07/31/24 11:59 Received: 07/31/24 13:10 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	08/03/24 01:52	08/05/24 16:31	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		08/04/24 11:46		

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895452

QC Batch: 1031196
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895452001, 35895452002, 35895452003, 35895452004

METHOD BLANK: 5666644 Matrix: Water
Associated Lab Samples: 35895452001, 35895452002, 35895452003, 35895452004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron	ug/L	25.0 U	40.0	25.0	08/05/24 16:01	

LABORATORY CONTROL SAMPLE: 5666645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2500	2600	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5666646 5666647

Parameter	Units	35895452002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	1070	2500	2500	3660	3670	104	104	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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895452

QC Batch: 1031322 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895452001, 35895452002, 35895452003, 35895452004

METHOD BLANK: 5667340 Matrix: Water
Associated Lab Samples: 35895452001, 35895452002, 35895452003, 35895452004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	08/04/24 11:46	

LABORATORY CONTROL SAMPLE: 5667341

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

SAMPLE DUPLICATE: 5667342

Parameter	Units	35895453001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	359	324	10	10	

SAMPLE DUPLICATE: 5667343

Parameter	Units	35895453002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	217	224	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.

REPORT OF LABORATORY ANALYSIS

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Pompano Beach, FL 33064
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QUALIFIERS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895452

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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Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895452

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35895452001	**M13(60)**				
35895452002	**M13(20)**				
35895452003	**M13(20) Duplicate**				
35895452001	**M13(60)**	EPA 3010	1031196	EPA 6010	1031213
35895452002	**M13(20)**	EPA 3010	1031196	EPA 6010	1031213
35895452003	**M13(20) Duplicate**	EPA 3010	1031196	EPA 6010	1031213
35895452004	**EQ Blank 073124**	EPA 3010	1031196	EPA 6010	1031213
35895452001	**M13(60)**	SM 2540C	1031322		
35895452002	**M13(20)**	SM 2540C	1031322		
35895452003	**M13(20) Duplicate**	SM 2540C	1031322		
35895452004	**EQ Blank 073124**	SM 2540C	1031322		

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

CHAIN-OF-CUSTODY Analytical Request Document

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

WO# : 35895452

35895452

Company Name:	Miami-Dade Department of Solid Waste Management	Contact/Report To:	Mario Porcelli
Street Address:	2525 NW 62, Miami, FL 33147	Phone #:	(305)592-1187
		E-Mail:	mario.porcelli@miamidade.gov
		Cc E-Mail:	
Customer Project #:			
Project Name:	FDEP 2nd Semiannual 58th	Invoice To:	Mario Porcelli
		Invoice E-Mail:	mario.porcelli@miamidade.gov
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	SW0000002055
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Florida

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

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:

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)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	6010 MET ICP: IRON	TDS	Sample Comment
MI3 (60)					7/31/24	1132	2			X	X	
MI3 (20)						1156	1			1	1	
Dupe						1158	1			1	1	
EQ Blank						1159	1			1	1	

**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) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Rossy Guima
AcctNum / Client ID:
Table #:
Profile / Template: 4097
Prelog / Bottle Ord. ID: EZ 3128813

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By:
(Printed Name) Richard Flores
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Pace	7/31/24 1310	Pace	7/31/24 1310
Pace	7/31/24 1830	TSI/Pace	7/31/24 2238

Tracking Number:

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

Page: of

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/

WO# : 35895452

PM: RYG **Due Date: 08/08/24**
CLIENT: 36-MDSWM

Pace

Project #
Project Manager:
Client:

Date and Initials of person:
Examining contents: _____
Verifying pH: _____

Thermometer Used: T-398 Date: 07/31/2024 Time: 1310 Initials: GJ

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

Cooler #1 Temp.°C 4.7	(Visual) -0.2	(Correction Factor)	4.5 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C 4.6	(Visual) _____	(Correction Factor)	4.4 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C _____	(Visual) _____	(Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C _____	(Visual) _____	(Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C _____	(Visual) _____	(Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C _____	(Visual) _____	(Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C _____	(Visual) _____	(Correction Factor)	_____ (Actual)	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**
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☐Yes	☐No	☒N/A	**Preservative:** _____ **Date:** _____ **Lot / Trace:** _____ **Time:** _____ **Amount added (mL):** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☐No	☒N/A	
Trip Blank Present:	☐Yes	☒No	☐N/A	

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

Labeled by: _____ **Reviewed by:** _____ **Delivered by:** _____

Pace

WO# : 35895452

PM: RYG Due Date: 08/08/24
CLIENT: 36-MDSWM

Project #
Project Manager:
Client:

Date and Initials of person: 8/1/24
Examining contents: TSI
Verifying pH: TSI

Thermometer Used: T-414 Date: 7/31/24 Time: 2310 Initials: TSI

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

Cooler #1 Temp.°C 5.4 (Visual)	-0.1 (Correction Factor)	5.3 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C 3.6 (Visual)	(Correction Factor)	3.5 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C (Visual)	(Correction Factor)	(Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C (Visual)	(Correction Factor)	(Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C (Visual)	(Correction Factor)	(Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C (Visual)	(Correction Factor)	(Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C (Visual)	(Correction Factor)	(Actual)	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~~ TSI 8/1/24	☐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: Exceptions: Vials, Microbiology, O&G, PFAS	☑Yes	☐No	☐N/A	
Headspace in Volatile Vials? (>6mm):	☐Yes	☐No	☑N/A	
Trip Blank Present:	☐Yes	☐No	☑N/A	

Comments / Resolutions (use back for additional comments): No preservative info.

Labeled by: TSI Reviewed by: TSI Delivered by: TSI

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: 58th St	SITE LOCATION: Doral	
WELL NO: MW3(60)	SAMPLE ID: MW3(60)	DATE: 7/31/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.55	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)

= (60 feet – 4.55 feet) X 0.16 gallons/foot = 8.87 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 1045	PURGING ENDED AT: 1131	TOTAL VOLUME PURGED (gallons): 13.8

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1115	9.0	9.0	0.30	4.55	6.88	26.3	790	0.3 10.02	15.32	clear	Mild
1123	2.4	11.4	"	"	6.89	26.3	790	0.2 10.02	15.48	"	"
1131	2.4	13.8	"	"	6.89	26.3	789	0.3 10.01	14.96	"	"

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 Flores / Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1132	SAMPLING ENDED AT: 1134
PUMP OR TUBING DEPTH IN WELL (feet): 10	TUBING MATERIAL CODE: LDPE-S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW3(60)	1	PE	250mL	Cool	0	6.89	TDS	APP	300
	1	PE	250mL	HNO3	1	<2	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** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: 58th St	SITE LOCATION: Doral	
WELL NO: MW3(20)	SAMPLE ID: MW3(20)	DATE: 7/31/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.58	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)

= (20 feet – 4.58 feet) X 0.16 gallons/foot = 2.46 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 1140	PURGING ENDED AT: 1155	TOTAL VOLUME PURGED (gallons): 4.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or %saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1149	2.7	2.7	0.30	4.58	6.82	27.0	795	1.6 10.13	7.62	Clear	Mild
1152	0.9	3.6	"	"	6.82	27.0	796	1.5 10.12	7.09	"	"
1155	0.9	4.5	"	"	6.82	27.0	796	1.4 10.11	6.74	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Richard Flores/Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1156	SAMPLING ENDED AT: 1157
PUMP OR TUBING DEPTH IN WELL (feet): 10	TUBING MATERIAL CODE: LDPE-S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW3(20)	1	PE	250mL	Cool	0	6.82	TDS	APP	300
	1	PE	250mL	HNO3	1	<2	1600	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** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

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

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

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

Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

August 08, 2024

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

RE: Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on July 31, 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
Arelys Roman, Miami-Dade Department of Solid Waste Management

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Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

CERTIFICATIONS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

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
Nevada Certification: FL NELAC Reciprocity
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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Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

SAMPLE SUMMARY

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35895453001	**RR17(60)**	Water	07/31/24 08:15	07/31/24 13:10
35895453002	**NW23(60)**	Water	07/31/24 09:15	07/31/24 13:10
35895453003	**NW23(30)**	Water	07/31/24 09:53	07/31/24 13:10
35895453004	**NW23(15)**	Water	07/31/24 10:19	07/31/24 13:10
35895453005	**NW23(15) Duplicate**	Water	07/31/24 10:19	07/31/24 13:10
35895453006	**EQ Blank 073124**	Water	07/31/24 10:27	07/31/24 13:10

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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35895453001	**RR17(60)**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	EAD	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	CMB	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	EAD	1	PASI-O
35895453002	**NW23(60)**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	EAD	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	CMB	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	EAD	1	PASI-O
35895453003	**NW23(30)**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	EAD	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	CMB	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	EAD	1	PASI-O
35895453004	**NW23(15)**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	EAD	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	CMB	1	PASI-O
		EPA 353.2	KW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	EAD	1	PASI-O
35895453005	**NW23(15) Duplicate**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	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	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	EAD	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	CMB	1	PASI-O
		EPA 353.2	KW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	EAD	1	PASI-O
35895453006	**EQ Blank 073124**	EPA 8011	SAM1	2	PASI-O
		EPA 6010	ASB	14	PASI-O
		EPA 6020	EAP	3	PASI-O
		EPA 7470	JNK	1	PASI-O

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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	AST	49	PASI-O
		SM 2320B	MCD	1	PASI-O
		SM 2540C	VAG	1	PASI-O
		TKN-NH3 Calculation	TLK	1	PASI-O
		EPA 300.0	EAD	1	PASI-O
		EPA 350.1	MWD	1	PASI-O
		EPA 351.2	CMB	1	PASI-O
		EPA 353.2	WW1	2	PASI-O
		EPA 410.4	JH	1	PASI-O
		SM 5310B	EAD	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Sample: RR17(60) **Lab ID: 35895453001** Collected: 07/31/24 08:15 Received: 07/31/24 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.01**	Std. Units			1		07/31/24 08:15		
Field Temperature	**26.1**	deg C			1		07/31/24 08:15		
Field Specific Conductance	**597**	umhos/cm			1		07/31/24 08:15		
Oxygen, Dissolved	**0.3**	mg/L			1		07/31/24 08:15	7782-44-7	
Turbidity	**0.2**	NTU			1		07/31/24 08:15		
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	08/01/24 18:02	08/04/24 00:21	96-12-8	
1,2-Dibromoethane (EDB)	**0.0079 U**	ug/L	0.010	0.0079	1	08/01/24 18:02	08/04/24 00:21	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**18.0**	ug/L	10.0	0.84	1	08/02/24 02:35	08/02/24 16:44	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	08/02/24 02:35	08/02/24 16:44	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	08/02/24 02:35	08/02/24 16:44	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	08/02/24 02:35	08/02/24 16:44	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	08/02/24 02:35	08/02/24 16:44	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	08/02/24 02:35	08/02/24 16:44	7440-50-8	
Iron	**1070**	ug/L	40.0	25.0	1	08/02/24 02:35	08/02/24 16:44	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	08/02/24 02:35	08/02/24 16:44	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:44	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	08/02/24 02:35	08/02/24 16:44	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:44	7440-22-4	
Sodium	**31.7**	mg/L	2.0	0.54	1	08/02/24 02:35	08/02/24 16:44	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	08/02/24 02:35	08/02/24 16:44	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	08/02/24 02:35	08/02/24 16:44	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	08/02/24 02:35	08/06/24 11:41	7440-36-0	
Arsenic	**1.1**	ug/L	1.0	0.50	1	08/02/24 02:35	08/06/24 11:41	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	08/02/24 02:35	08/06/24 11:41	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	08/04/24 12:13	08/05/24 09:53	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**88.2**	ug/L	25.0	8.7	1		08/01/24 18:04	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		08/01/24 18:04	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 18:04	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		08/01/24 18:04	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Sample: RR17(60) **Lab ID: 35895453001** Collected: 07/31/24 08:15 Received: 07/31/24 13:10 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		08/01/24 18:04	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		08/01/24 18:04	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		08/01/24 18:04	74-83-9	
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		08/01/24 18:04	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		08/01/24 18:04	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		08/01/24 18:04	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		08/01/24 18:04	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		08/01/24 18:04	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		08/01/24 18:04	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		08/01/24 18:04	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		08/01/24 18:04	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		08/01/24 18:04	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		08/01/24 18:04	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		08/01/24 18:04	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		08/01/24 18:04	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		08/01/24 18:04	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		08/01/24 18:04	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		08/01/24 18:04	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		08/01/24 18:04	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		08/01/24 18:04	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		08/01/24 18:04	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		08/01/24 18:04	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 18:04	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		08/01/24 18:04	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		08/01/24 18:04	74-88-4	
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		08/01/24 18:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		08/01/24 18:04	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		08/01/24 18:04	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		08/01/24 18:04	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		08/01/24 18:04	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		08/01/24 18:04	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		08/01/24 18:04	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 18:04	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 18:04	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		08/01/24 18:04	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		08/01/24 18:04	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		08/01/24 18:04	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		08/01/24 18:04	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		08/01/24 18:04	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		08/01/24 18:04	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		08/01/24 18:04	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		08/01/24 18:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		08/01/24 18:04	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		08/01/24 18:04	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Sample: RR17(60) **Lab ID: 35895453001** Collected: 07/31/24 08:15 Received: 07/31/24 13:10 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)	105	%	70-130		1		08/01/24 18:04	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		08/01/24 13:28		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**359**	mg/L	5.0	5.0	1		08/04/24 11:46		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach								
Total Organic Nitrogen	**0.48 I**	mg/L	0.50	0.20	1		08/07/24 20:23		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**50.5**	mg/L	5.0	2.5	1		08/01/24 21:07	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		08/07/24 12:33	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	**1.5**	mg/L	0.50	0.20	1	08/06/24 05:20	08/06/24 13:45	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		08/01/24 11:52		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		08/01/24 11:52	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**32.9**	mg/L	20.0	12.5	1	08/01/24 10:33	08/04/24 16:25		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**13.9**	mg/L	1.0	0.50	1		08/01/24 18:24	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Sample: NW23(60) **Lab ID: 35895453002** Collected: 07/31/24 09:15 Received: 07/31/24 13:10 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		07/31/24 09:15		
Field Temperature	**26.7**	deg C			1		07/31/24 09:15		
Field Specific Conductance	**337**	umhos/cm			1		07/31/24 09:15		
Oxygen, Dissolved	**0.3**	mg/L			1		07/31/24 09:15	7782-44-7	
Turbidity	**1.17**	NTU			1		07/31/24 09:15		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0068 U**	ug/L	0.021	0.0068	1	08/01/24 18:02	08/04/24 00:58	96-12-8	
1,2-Dibromoethane (EDB)	**0.0079 U**	ug/L	0.011	0.0079	1	08/01/24 18:02	08/04/24 00:58	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**16.2**	ug/L	10.0	0.84	1	08/02/24 02:35	08/02/24 16:47	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	08/02/24 02:35	08/02/24 16:47	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	08/02/24 02:35	08/02/24 16:47	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	08/02/24 02:35	08/02/24 16:47	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	08/02/24 02:35	08/02/24 16:47	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	08/02/24 02:35	08/02/24 16:47	7440-50-8	
Iron	**481**	ug/L	40.0	25.0	1	08/02/24 02:35	08/02/24 16:47	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	08/02/24 02:35	08/02/24 16:47	7439-92-1	
Nickel	**1.0 I**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:47	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	08/02/24 02:35	08/02/24 16:47	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:47	7440-22-4	
Sodium	**10.2**	mg/L	2.0	0.54	1	08/02/24 02:35	08/02/24 16:47	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	08/02/24 02:35	08/02/24 16:47	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	08/02/24 02:35	08/02/24 16:47	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	08/02/24 02:35	08/06/24 11:45	7440-36-0	
Arsenic	**1.6**	ug/L	1.0	0.50	1	08/02/24 02:35	08/06/24 11:45	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	08/02/24 02:35	08/06/24 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	08/04/24 12:13	08/05/24 09:55	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		08/01/24 18:27	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		08/01/24 18:27	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 18:27	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		08/01/24 18:27	74-97-5	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Sample: NW23(60) **Lab ID: 35895453002** Collected: 07/31/24 09:15 Received: 07/31/24 13:10 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		08/01/24 18:27	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		08/01/24 18:27	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		08/01/24 18:27	74-83-9	
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		08/01/24 18:27	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		08/01/24 18:27	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		08/01/24 18:27	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		08/01/24 18:27	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		08/01/24 18:27	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		08/01/24 18:27	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		08/01/24 18:27	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		08/01/24 18:27	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		08/01/24 18:27	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		08/01/24 18:27	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		08/01/24 18:27	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		08/01/24 18:27	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		08/01/24 18:27	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		08/01/24 18:27	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		08/01/24 18:27	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		08/01/24 18:27	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		08/01/24 18:27	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		08/01/24 18:27	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		08/01/24 18:27	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 18:27	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		08/01/24 18:27	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		08/01/24 18:27	74-88-4	
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		08/01/24 18:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		08/01/24 18:27	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		08/01/24 18:27	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		08/01/24 18:27	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		08/01/24 18:27	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		08/01/24 18:27	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		08/01/24 18:27	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 18:27	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 18:27	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		08/01/24 18:27	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		08/01/24 18:27	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		08/01/24 18:27	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		08/01/24 18:27	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		08/01/24 18:27	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		08/01/24 18:27	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		08/01/24 18:27	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		08/01/24 18:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		08/01/24 18:27	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		08/01/24 18:27	2037-26-5	

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(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Sample: NW23(60) **Lab ID: 35895453002** Collected: 07/31/24 09:15 Received: 07/31/24 13:10 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)	106	%	70-130		1		08/01/24 18:27	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**163**	mg/L	5.0	5.0	1		08/01/24 13:41		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**217**	mg/L	5.0	5.0	1		08/04/24 11:46		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach								
Total Organic Nitrogen	**0.63**	mg/L	0.50	0.20	1		08/07/24 20:23		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**18.4**	mg/L	5.0	2.5	1		08/01/24 21:29	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.19**	mg/L	0.050	0.035	1		08/07/24 12:35	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	**0.81**	mg/L	0.50	0.20	1	08/06/24 05:20	08/06/24 13:47	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, NO2 plus NO3	**0.015 U**	mg/L	0.050	0.015	1		08/01/24 11:53		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		08/01/24 11:53	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	08/01/24 10:33	08/04/24 16:25		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**9.3**	mg/L	1.0	0.50	1		08/01/24 18:38	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Sample: NW23(30) **Lab ID: 35895453003** Collected: 07/31/24 09:53 Received: 07/31/24 13:10 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		07/31/24 09:53		
Field Temperature	**26.5**	deg C			1		07/31/24 09:53		
Field Specific Conductance	**782**	umhos/cm			1		07/31/24 09:53		
Oxygen, Dissolved	**0.4**	mg/L			1		07/31/24 09:53	7782-44-7	
Turbidity	**0.32**	NTU			1		07/31/24 09:53		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0068 U**	ug/L	0.021	0.0068	1	08/01/24 18:02	08/04/24 01:22	96-12-8	
1,2-Dibromoethane (EDB)	**0.0080 U**	ug/L	0.011	0.0080	1	08/01/24 18:02	08/04/24 01:22	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**38.3**	ug/L	10.0	0.84	1	08/02/24 02:35	08/02/24 16:51	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	08/02/24 02:35	08/02/24 16:51	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	08/02/24 02:35	08/02/24 16:51	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	08/02/24 02:35	08/02/24 16:51	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	08/02/24 02:35	08/02/24 16:51	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	08/02/24 02:35	08/02/24 16:51	7440-50-8	
Iron	**288**	ug/L	40.0	25.0	1	08/02/24 02:35	08/02/24 16:51	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	08/02/24 02:35	08/02/24 16:51	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:51	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	08/02/24 02:35	08/02/24 16:51	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 16:51	7440-22-4	
Sodium	**61.1**	mg/L	2.0	0.54	1	08/02/24 02:35	08/02/24 16:51	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	08/02/24 02:35	08/02/24 16:51	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	08/02/24 02:35	08/02/24 16:51	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	08/02/24 02:35	08/06/24 11:48	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	08/02/24 02:35	08/06/24 11:48	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	08/02/24 02:35	08/06/24 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	08/04/24 12:13	08/05/24 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		08/01/24 18:50	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		08/01/24 18:50	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 18:50	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		08/01/24 18:50	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Sample: NW23(30) **Lab ID: 35895453003** Collected: 07/31/24 09:53 Received: 07/31/24 13:10 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		08/01/24 18:50	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		08/01/24 18:50	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		08/01/24 18:50	74-83-9	
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		08/01/24 18:50	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		08/01/24 18:50	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		08/01/24 18:50	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		08/01/24 18:50	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		08/01/24 18:50	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		08/01/24 18:50	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		08/01/24 18:50	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		08/01/24 18:50	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		08/01/24 18:50	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		08/01/24 18:50	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		08/01/24 18:50	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		08/01/24 18:50	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		08/01/24 18:50	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		08/01/24 18:50	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		08/01/24 18:50	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		08/01/24 18:50	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		08/01/24 18:50	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		08/01/24 18:50	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		08/01/24 18:50	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 18:50	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		08/01/24 18:50	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		08/01/24 18:50	74-88-4	
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		08/01/24 18:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		08/01/24 18:50	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		08/01/24 18:50	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		08/01/24 18:50	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		08/01/24 18:50	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		08/01/24 18:50	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		08/01/24 18:50	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 18:50	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 18:50	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		08/01/24 18:50	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		08/01/24 18:50	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		08/01/24 18:50	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		08/01/24 18:50	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		08/01/24 18:50	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		08/01/24 18:50	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		08/01/24 18:50	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		08/01/24 18:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		08/01/24 18:50	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		08/01/24 18:50	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Sample: NW23(30) **Lab ID: 35895453003** Collected: 07/31/24 09:53 Received: 07/31/24 13:10 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		08/01/24 18:50	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		08/01/24 13:54		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**430**	mg/L	5.0	5.0	1		08/04/24 11:46		
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		08/07/24 20:23		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**111**	mg/L	10.0	5.0	2		08/01/24 21:51	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		08/07/24 12:37	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	**1.8**	mg/L	0.50	0.20	1	08/06/24 05:20	08/06/24 13:48	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, NO2 plus NO3	**0.015 U**	mg/L	0.050	0.015	1		08/01/24 11:55		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		08/01/24 11:55	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**25.7**	mg/L	20.0	12.5	1	08/01/24 10:33	08/04/24 16:25		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**53.6**	mg/L	1.0	0.50	1		08/01/24 20:44	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Sample: NW23(15) **Lab ID: 35895453004** Collected: 07/31/24 10:19 Received: 07/31/24 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.16**	Std. Units			1		07/31/24 10:19		
Field Temperature	**29.2**	deg C			1		07/31/24 10:19		
Field Specific Conductance	**359**	umhos/cm			1		07/31/24 10:19		
Oxygen, Dissolved	**0.1**	mg/L			1		07/31/24 10:19	7782-44-7	
Turbidity	**0.39**	NTU			1		07/31/24 10:19		
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	08/01/24 18:02	08/04/24 01:34	96-12-8	
1,2-Dibromoethane (EDB)	**0.0079 U**	ug/L	0.011	0.0079	1	08/01/24 18:02	08/04/24 01:34	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**17.5**	ug/L	10.0	0.84	1	08/02/24 02:35	08/02/24 17:01	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	08/02/24 02:35	08/02/24 17:01	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	08/02/24 02:35	08/02/24 17:01	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	08/02/24 02:35	08/02/24 17:01	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	08/02/24 02:35	08/02/24 17:01	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	08/02/24 02:35	08/02/24 17:01	7440-50-8	
Iron	**628**	ug/L	40.0	25.0	1	08/02/24 02:35	08/02/24 17:01	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	08/02/24 02:35	08/02/24 17:01	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 17:01	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	08/02/24 02:35	08/02/24 17:01	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 17:01	7440-22-4	
Sodium	**3.3**	mg/L	2.0	0.54	1	08/02/24 02:35	08/02/24 17:01	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	08/02/24 02:35	08/02/24 17:01	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	08/02/24 02:35	08/02/24 17:01	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	08/02/24 02:35	08/06/24 11:52	7440-36-0	
Arsenic	**1.3**	ug/L	1.0	0.50	1	08/02/24 02:35	08/06/24 11:52	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	08/02/24 02:35	08/06/24 11:52	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	08/04/24 12:13	08/05/24 10:00	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		08/01/24 19:13	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		08/01/24 19:13	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 19:13	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		08/01/24 19:13	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Sample: NW23(15) **Lab ID: 35895453004** Collected: 07/31/24 10:19 Received: 07/31/24 13:10 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		08/01/24 19:13	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		08/01/24 19:13	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		08/01/24 19:13	74-83-9	
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		08/01/24 19:13	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		08/01/24 19:13	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		08/01/24 19:13	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		08/01/24 19:13	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		08/01/24 19:13	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		08/01/24 19:13	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		08/01/24 19:13	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		08/01/24 19:13	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		08/01/24 19:13	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		08/01/24 19:13	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		08/01/24 19:13	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		08/01/24 19:13	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		08/01/24 19:13	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		08/01/24 19:13	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		08/01/24 19:13	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		08/01/24 19:13	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		08/01/24 19:13	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		08/01/24 19:13	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		08/01/24 19:13	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 19:13	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		08/01/24 19:13	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		08/01/24 19:13	74-88-4	
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		08/01/24 19:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		08/01/24 19:13	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		08/01/24 19:13	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		08/01/24 19:13	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		08/01/24 19:13	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		08/01/24 19:13	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		08/01/24 19:13	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 19:13	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 19:13	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		08/01/24 19:13	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		08/01/24 19:13	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		08/01/24 19:13	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		08/01/24 19:13	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		08/01/24 19:13	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		08/01/24 19:13	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		08/01/24 19:13	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		08/01/24 19:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		08/01/24 19:13	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		08/01/24 19:13	2037-26-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Sample: NW23(15) **Lab ID: 35895453004** Collected: 07/31/24 10:19 Received: 07/31/24 13:10 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)	107	%	70-130		1		08/01/24 19:13	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**187**	mg/L	5.0	5.0	1		08/01/24 14:06		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**220**	mg/L	5.0	5.0	1		08/04/24 11:46		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach								
Total Organic Nitrogen	**0.68**	mg/L	0.50	0.20	1		08/07/24 20:23		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**4.8 I**	mg/L	5.0	2.5	1		08/01/24 22:12	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.072**	mg/L	0.050	0.035	1		08/07/24 12:46	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	**0.75**	mg/L	0.50	0.20	1	08/06/24 05:20	08/06/24 14:00	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		08/02/24 08:54		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		08/02/24 08:54	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**21.4**	mg/L	20.0	12.5	1	08/01/24 10:33	08/04/24 16:25		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**50.1**	mg/L	1.0	0.50	1		08/01/24 21:29	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Sample: NW23(15) Duplicate **Lab ID: 35895453005** Collected: 07/31/24 10:19 Received: 07/31/24 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.16**	Std. Units			1		07/31/24 10:19		
Field Temperature	**29.2**	deg C			1		07/31/24 10:19		
Field Specific Conductance	**359**	umhos/cm			1		07/31/24 10:19		
Oxygen, Dissolved	**0.1**	mg/L			1		07/31/24 10:19	7782-44-7	
Turbidity	**0.39**	NTU			1		07/31/24 10:19		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0069 U**	ug/L	0.021	0.0069	1	08/01/24 18:02	08/04/24 01:46	96-12-8	
1,2-Dibromoethane (EDB)	**0.0080 U**	ug/L	0.011	0.0080	1	08/01/24 18:02	08/04/24 01:46	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**17.3**	ug/L	10.0	0.84	1	08/02/24 02:35	08/02/24 17:05	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	08/02/24 02:35	08/02/24 17:05	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	08/02/24 02:35	08/02/24 17:05	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	08/02/24 02:35	08/02/24 17:05	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	08/02/24 02:35	08/02/24 17:05	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	08/02/24 02:35	08/02/24 17:05	7440-50-8	
Iron	**615**	ug/L	40.0	25.0	1	08/02/24 02:35	08/02/24 17:05	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	08/02/24 02:35	08/02/24 17:05	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 17:05	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	08/02/24 02:35	08/02/24 17:05	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 17:05	7440-22-4	
Sodium	**3.3**	mg/L	2.0	0.54	1	08/02/24 02:35	08/02/24 17:05	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	08/02/24 02:35	08/02/24 17:05	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	08/02/24 02:35	08/02/24 17:05	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	08/02/24 02:35	08/06/24 11:55	7440-36-0	
Arsenic	**1.3**	ug/L	1.0	0.50	1	08/02/24 02:35	08/06/24 11:55	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	08/02/24 02:35	08/06/24 11:55	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	08/04/24 12:13	08/05/24 10:02	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		08/01/24 19:36	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		08/01/24 19:36	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 19:36	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		08/01/24 19:36	74-97-5	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Sample: NW23(15) Duplicate **Lab ID: 35895453005** Collected: 07/31/24 10:19 Received: 07/31/24 13:10 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		08/01/24 19:36	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		08/01/24 19:36	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		08/01/24 19:36	74-83-9	
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		08/01/24 19:36	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		08/01/24 19:36	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		08/01/24 19:36	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		08/01/24 19:36	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		08/01/24 19:36	75-00-3	
Chloroform	**0.56 U**	ug/L	1.0	0.56	1		08/01/24 19:36	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		08/01/24 19:36	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		08/01/24 19:36	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		08/01/24 19:36	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		08/01/24 19:36	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		08/01/24 19:36	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		08/01/24 19:36	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		08/01/24 19:36	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		08/01/24 19:36	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		08/01/24 19:36	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		08/01/24 19:36	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		08/01/24 19:36	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		08/01/24 19:36	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		08/01/24 19:36	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 19:36	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		08/01/24 19:36	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		08/01/24 19:36	74-88-4	
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		08/01/24 19:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		08/01/24 19:36	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		08/01/24 19:36	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		08/01/24 19:36	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		08/01/24 19:36	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		08/01/24 19:36	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		08/01/24 19:36	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 19:36	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 19:36	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		08/01/24 19:36	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		08/01/24 19:36	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		08/01/24 19:36	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		08/01/24 19:36	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		08/01/24 19:36	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		08/01/24 19:36	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		08/01/24 19:36	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		08/01/24 19:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		08/01/24 19:36	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		08/01/24 19:36	2037-26-5	

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(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Sample: NW23(15) Duplicate **Lab ID: 35895453005** Collected: 07/31/24 10:19 Received: 07/31/24 13:10 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)	107	%	70-130		1		08/01/24 19:36	2199-69-1	
2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach								
Alkalinity, Total as CaCO3	**185**	mg/L	5.0	5.0	1		08/01/24 14:18		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**216**	mg/L	5.0	5.0	1		08/04/24 11:46		
Total Organic Nitrogen Calc.	Analytical Method: TKN-NH3 Calculation Pace Analytical Services - Ormond Beach								
Total Organic Nitrogen	**0.64**	mg/L	0.50	0.20	1		08/07/24 20:23		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**4.8 I**	mg/L	5.0	2.5	1		08/01/24 23:18	16887-00-6	J(M1)
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.068**	mg/L	0.050	0.035	1		08/07/24 12:51	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	**0.71**	mg/L	0.50	0.20	1	08/06/24 05:20	08/06/24 14:01	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		08/02/24 08:55		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		08/02/24 08:55	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**26.0**	mg/L	20.0	12.5	1	08/01/24 10:33	08/04/24 16:25		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**50.2**	mg/L	1.0	0.50	1		08/01/24 21:45	7440-44-0	

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Sample: EQ Blank 073124 **Lab ID: 35895453006** Collected: 07/31/24 10:27 Received: 07/31/24 13:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0066 U**	ug/L	0.021	0.0066	1	08/01/24 18:02	08/04/24 01:59	96-12-8	
1,2-Dibromoethane (EDB)	**0.0078 U**	ug/L	0.010	0.0078	1	08/01/24 18:02	08/04/24 01:59	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	08/02/24 02:35	08/02/24 17:09	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	08/02/24 02:35	08/02/24 17:09	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	08/02/24 02:35	08/02/24 17:09	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	08/02/24 02:35	08/02/24 17:09	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	08/02/24 02:35	08/02/24 17:09	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	08/02/24 02:35	08/02/24 17:09	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	08/02/24 02:35	08/02/24 17:09	7439-89-6	
Lead	**2.1 U**	ug/L	10.0	2.1	1	08/02/24 02:35	08/02/24 17:09	7439-92-1	
Nickel	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 17:09	7440-02-0	
Selenium	**3.9 U**	ug/L	15.0	3.9	1	08/02/24 02:35	08/02/24 17:09	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	08/02/24 02:35	08/02/24 17:09	7440-22-4	
Sodium	**0.54 U**	mg/L	2.0	0.54	1	08/02/24 02:35	08/02/24 17:09	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	08/02/24 02:35	08/02/24 17:09	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	08/02/24 02:35	08/02/24 17:09	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	08/02/24 02:35	08/06/24 11:59	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	08/02/24 02:35	08/06/24 11:59	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	08/02/24 02:35	08/06/24 11:59	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	08/04/24 12:13	08/05/24 10:04	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		08/01/24 12:39	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		08/01/24 12:39	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 12:39	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		08/01/24 12:39	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		08/01/24 12:39	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		08/01/24 12:39	75-25-2	
Bromomethane	**3.9 U**	ug/L	10.0	3.9	1		08/01/24 12:39	74-83-9	
2-Butanone (MEK)	**6.7 U**	ug/L	50.0	6.7	1		08/01/24 12:39	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		08/01/24 12:39	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		08/01/24 12:39	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		08/01/24 12:39	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		08/01/24 12:39	75-00-3	

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(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Sample: EQ Blank 073124 **Lab ID: 35895453006** Collected: 07/31/24 10:27 Received: 07/31/24 13:10 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		08/01/24 12:39	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		08/01/24 12:39	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		08/01/24 12:39	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		08/01/24 12:39	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		08/01/24 12:39	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		08/01/24 12:39	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		08/01/24 12:39	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		08/01/24 12:39	75-34-3	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		08/01/24 12:39	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		08/01/24 12:39	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		08/01/24 12:39	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		08/01/24 12:39	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		08/01/24 12:39	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		08/01/24 12:39	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 12:39	100-41-4	
2-Hexanone	**6.6 U**	ug/L	25.0	6.6	1		08/01/24 12:39	591-78-6	
Iodomethane	**3.6 U**	ug/L	10.0	3.6	1		08/01/24 12:39	74-88-4	
Methylene Chloride	**1.7 U**	ug/L	5.0	1.7	1		08/01/24 12:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		08/01/24 12:39	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		08/01/24 12:39	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		08/01/24 12:39	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		08/01/24 12:39	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		08/01/24 12:39	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		08/01/24 12:39	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 12:39	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		08/01/24 12:39	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		08/01/24 12:39	79-01-6	
Trichlorofluoromethane	**0.72 U**	ug/L	1.0	0.72	1		08/01/24 12:39	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		08/01/24 12:39	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		08/01/24 12:39	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		08/01/24 12:39	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		08/01/24 12:39	1330-20-7	
m&p-Xylene	**0.75 U**	ug/L	4.0	0.75	1		08/01/24 12:39	179601-23-1	
o-Xylene	**0.57 U**	ug/L	1.0	0.57	1		08/01/24 12:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		08/01/24 12:39	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		08/01/24 12:39	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		08/01/24 12:39	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		08/01/24 14:30		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Sample: EQ Blank 073124 **Lab ID: 35895453006** Collected: 07/31/24 10:27 Received: 07/31/24 13:10 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		08/04/24 11:46		
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		08/07/24 20:23		
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		08/02/24 00:23	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		08/07/24 12:53	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	**0.20 U**	mg/L	0.50	0.20	1	08/06/24 05:20	08/06/24 14:02	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		08/01/24 11:56		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		08/01/24 11:56	14797-55-8	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**12.5 U**	mg/L	20.0	12.5	1	08/01/24 10:33	08/04/24 16:25		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**0.59 I**	mg/L	1.0	0.50	1		08/01/24 22:01	7440-44-0	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

QC Batch: 1031332
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

METHOD BLANK: 5667346 Matrix: Water
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.14 U	0.20	0.14	08/05/24 08:58	

LABORATORY CONTROL SAMPLE: 5667347

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.1	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5667348 5667349

Parameter	Units	35894072001 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	1.8	2.0	92	98	75-125	7	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

QC Batch: 1030946
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

METHOD BLANK: 5664726 Matrix: Water
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	08/02/24 14:55	
Beryllium	ug/L	0.17 U	4.0	0.17	08/02/24 14:55	
Cadmium	ug/L	0.33 U	1.0	0.33	08/02/24 14:55	
Chromium	ug/L	1.7 U	5.0	1.7	08/02/24 14:55	
Cobalt	ug/L	0.96 U	10.0	0.96	08/02/24 14:55	
Copper	ug/L	2.6 U	5.0	2.6	08/02/24 14:55	
Iron	ug/L	25.0 U	40.0	25.0	08/02/24 14:55	
Lead	ug/L	2.1 U	10.0	2.1	08/02/24 14:55	
Nickel	ug/L	1.0 U	5.0	1.0	08/02/24 14:55	
Selenium	ug/L	3.9 U	15.0	3.9	08/02/24 14:55	
Silver	ug/L	1.0 U	5.0	1.0	08/02/24 14:55	
Sodium	mg/L	0.54 U	2.0	0.54	08/02/24 14:55	
Vanadium	ug/L	1.0 U	10.0	1.0	08/02/24 14:55	
Zinc	ug/L	11.0 U	20.0	11.0	08/02/24 14:55	

LABORATORY CONTROL SAMPLE: 5664727

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	266	107	80-120	
Beryllium	ug/L	25	25.3	101	80-120	
Cadmium	ug/L	25	25.1	100	80-120	
Chromium	ug/L	250	249	100	80-120	
Cobalt	ug/L	250	253	101	80-120	
Copper	ug/L	250	257	103	80-120	
Iron	ug/L	2500	2550	102	80-120	
Lead	ug/L	250	257	103	80-120	
Nickel	ug/L	250	256	102	80-120	
Selenium	ug/L	250	243	97	80-120	
Silver	ug/L	25	25.4	101	80-120	
Sodium	mg/L	12.5	12.7	102	80-120	
Vanadium	ug/L	250	261	104	80-120	
Zinc	ug/L	1250	1230	99	80-120	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5664728 5664729

Parameter	Units	35895095004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	18.4	250	250	283	284	106	106	75-125	0	20	
Beryllium	ug/L	0.17 U	25	25	25.4	25.7	102	103	75-125	1	20	
Cadmium	ug/L	0.33 U	25	25	24.4	24.6	98	98	75-125	1	20	
Chromium	ug/L	1.7 U	250	250	255	254	102	101	75-125	0	20	
Cobalt	ug/L	0.96 U	250	250	250	253	100	101	75-125	1	20	
Copper	ug/L	2.6 U	250	250	256	259	103	104	75-125	1	20	
Iron	ug/L	750	2500	2500	3310	3330	102	103	75-125	1	20	
Lead	ug/L	2.1 U	250	250	252	255	101	102	75-125	1	20	
Nickel	ug/L	1.0 U	250	250	253	256	101	102	75-125	1	20	
Selenium	ug/L	3.9 U	250	250	236	241	94	96	75-125	2	20	
Silver	ug/L	1.0 U	25	25	26.0	25.9	103	103	75-125	0	20	
Sodium	mg/L	32.7	12.5	12.5	44.6	44.4	96	94	75-125	0	20	
Vanadium	ug/L	1.0 U	250	250	264	267	105	106	75-125	1	20	
Zinc	ug/L	11.0 U	1250	1250	1220	1230	98	98	75-125	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

QC Batch: 1030945
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

METHOD BLANK: 5664722 Matrix: Water
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	08/05/24 15:06	
Arsenic	ug/L	0.50 U	1.0	0.50	08/05/24 15:06	
Thallium	ug/L	0.11 U	1.0	0.11	08/05/24 15:06	

LABORATORY CONTROL SAMPLE: 5664723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	48.1	96	80-120	
Arsenic	ug/L	50	52.7	105	80-120	
Thallium	ug/L	50	47.1	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5664724 5664725

Parameter	Units	35894123001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	48.6	47.9	97	96	75-125	1	20	
Arsenic	ug/L	0.50 U	50	50	52.3	52.2	104	104	75-125	0	20	
Thallium	ug/L	0.11 U	50	50	46.5	47.9	93	96	75-125	3	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

QC Batch: 1030712 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

METHOD BLANK: 5663534 | Matrix: Water
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	08/01/24 11:24	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	08/01/24 11:24	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	08/01/24 11:24	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	08/01/24 11:24	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	08/01/24 11:24	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	08/01/24 11:24	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	08/01/24 11:24	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	08/01/24 11:24	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	08/01/24 11:24	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	08/01/24 11:24	
2-Butanone (MEK)	ug/L	6.7 U	50.0	6.7	08/01/24 11:24	
2-Hexanone	ug/L	6.6 U	25.0	6.6	08/01/24 11:24	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	08/01/24 11:24	
Acetone	ug/L	8.7 U	25.0	8.7	08/01/24 11:24	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	08/01/24 11:24	
Benzene	ug/L	0.30 U	1.0	0.30	08/01/24 11:24	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	08/01/24 11:24	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	08/01/24 11:24	
Bromoform	ug/L	0.48 U	3.0	0.48	08/01/24 11:24	
Bromomethane	ug/L	3.9 U	10.0	3.9	08/01/24 11:24	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	08/01/24 11:24	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	08/01/24 11:24	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	08/01/24 11:24	
Chloroethane	ug/L	3.7 U	10.0	3.7	08/01/24 11:24	
Chloroform	ug/L	0.56 U	1.0	0.56	08/01/24 11:24	
Chloromethane	ug/L	0.43 U	1.0	0.43	08/01/24 11:24	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	08/01/24 11:24	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	08/01/24 11:24	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	08/01/24 11:24	
Dibromomethane	ug/L	0.68 U	2.0	0.68	08/01/24 11:24	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	08/01/24 11:24	
Iodomethane	ug/L	3.6 U	10.0	3.6	08/01/24 11:24	
m&p-Xylene	ug/L	0.75 U	4.0	0.75	08/01/24 11:24	
Methylene Chloride	ug/L	1.7 U	5.0	1.7	08/01/24 11:24	
o-Xylene	ug/L	0.57 U	1.0	0.57	08/01/24 11:24	
Styrene	ug/L	0.26 U	1.0	0.26	08/01/24 11:24	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	08/01/24 11:24	
Toluene	ug/L	0.33 U	1.0	0.33	08/01/24 11:24	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	08/01/24 11:24	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	08/01/24 11:24	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

METHOD BLANK: 5663534 Matrix: Water
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	08/01/24 11:24	
Trichloroethene	ug/L	0.36 U	1.0	0.36	08/01/24 11:24	
Trichlorofluoromethane	ug/L	0.72 U	1.0	0.72	08/01/24 11:24	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	08/01/24 11:24	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	08/01/24 11:24	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	08/01/24 11:24	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130		08/01/24 11:24	
4-Bromofluorobenzene (S)	%	95	70-130		08/01/24 11:24	
Toluene-d8 (S)	%	98	70-130		08/01/24 11:24	

LABORATORY CONTROL SAMPLE: 5663535

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.2	91	70-130	
1,1,1-Trichloroethane	ug/L	20	21.5	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.4	92	68-125	
1,1,2-Trichloroethane	ug/L	20	18.4	92	70-130	
1,1-Dichloroethane	ug/L	20	20.5	102	70-130	
1,1-Dichloroethene	ug/L	20	24.7	123	66-133	
1,2,3-Trichloropropane	ug/L	20	20.3	101	62-127	
1,2-Dichlorobenzene	ug/L	20	19.1	95	70-130	
1,2-Dichloropropane	ug/L	20	19.3	97	70-130	
1,4-Dichlorobenzene	ug/L	20	19.0	95	70-130	
2-Butanone (MEK)	ug/L	100	79.1	79	47-143	
2-Hexanone	ug/L	100	94.2	94	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	92.3	92	57-132	
Acetone	ug/L	100	85.5	86	46-148	
Acrylonitrile	ug/L	100	78.6	79	60-143	
Benzene	ug/L	20	20.5	102	70-130	
Bromochloromethane	ug/L	20	20.1	101	70-130	
Bromodichloromethane	ug/L	20	19.8	99	70-130	
Bromoform	ug/L	20	16.1	80	49-126	
Bromomethane	ug/L	20	15.2	76	10-165	
Carbon disulfide	ug/L	20	28.1	140	60-141	
Carbon tetrachloride	ug/L	20	19.9	99	63-126	
Chlorobenzene	ug/L	20	19.2	96	70-130	
Chloroethane	ug/L	20	16.0	80	71-142	
Chloroform	ug/L	20	20.3	101	70-130	
Chloromethane	ug/L	20	14.4	72	40-140	
cis-1,2-Dichloroethene	ug/L	20	21.3	106	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.5	98	70-130	
Dibromochloromethane	ug/L	20	17.9	89	62-118	
Dibromomethane	ug/L	20	20.6	103	70-130	
Ethylbenzene	ug/L	20	19.6	98	70-130	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

LABORATORY CONTROL SAMPLE: 5663535

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	20.1	101	10-164	
m&p-Xylene	ug/L	40	40.3	101	70-130	
Methylene Chloride	ug/L	20	22.6	113	65-136	
o-Xylene	ug/L	20	20.0	100	70-130	
Styrene	ug/L	20	20.0	100	70-130	
Tetrachloroethene	ug/L	20	20.1	100	64-134	
Toluene	ug/L	20	20.0	100	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.1	105	68-127	
trans-1,3-Dichloropropene	ug/L	20	19.1	96	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	14.0	70	42-129	
Trichloroethene	ug/L	20	20.5	103	70-130	
Trichlorofluoromethane	ug/L	20	17.1	85	65-135	
Vinyl acetate	ug/L	20	25.7	129	60-144	
Vinyl chloride	ug/L	20	15.3	77	68-131	
Xylene (Total)	ug/L	60	60.3	100	70-130	
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 5663537

Parameter	Units	35895241009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L		20	17.9	90	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	21.2	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	16.9	85	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	18.1	90	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	20.6	103	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	25.1	126	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	16.5	83	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.6	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	18.0	90	70-130	
2-Butanone (MEK)	ug/L	6.7 U	100	71.9	72	47-143	
2-Hexanone	ug/L	6.6 U	100	80.6	81	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	83.1	83	57-132	
Acetone	ug/L	8.7 U	100	74.0	70	46-148	
Acrylonitrile	ug/L		100	63.7	64	60-143	
Benzene	ug/L	0.30 U	20	20.8	104	70-130	
Bromochloromethane	ug/L	0.37 U	20	20.3	102	70-130	
Bromodichloromethane	ug/L	0.19 U	20	20.7	104	70-130	
Bromoform	ug/L	0.48 U	20	15.9	80	49-126	
Bromomethane	ug/L	3.9 U	20	14.4	72	10-165	
Carbon disulfide	ug/L	1.8 U	20	30.0	150	60-141	J(M1)
Carbon tetrachloride	ug/L	0.44 U	20	21.7	108	63-126	
Chlorobenzene	ug/L	0.35 U	20	18.7	94	70-130	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

MATRIX SPIKE SAMPLE: 5663537

Parameter	Units	35895241009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	3.7 U	20	16.1	81	71-142	
Chloroform	ug/L	0.56 U	20	20.3	102	70-130	
Chloromethane	ug/L	0.43 U	20	13.2	66	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	21.0	105	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	18.0	90	70-130	
Dibromochloromethane	ug/L	0.45 U	20	17.7	89	62-118	
Dibromomethane	ug/L	0.68 U	20	18.5	92	70-130	
Ethylbenzene	ug/L	0.30 U	20	19.0	95	70-130	
Iodomethane	ug/L		20	19.1	96	10-164	
m&p-Xylene	ug/L	0.75 U	40	39.0	98	70-130	
Methylene Chloride	ug/L	1.7 U	20	22.9	115	65-136	
o-Xylene	ug/L	0.57 U	20	19.2	96	70-130	
Styrene	ug/L	0.26 U	20	17.9	90	70-130	
Tetrachloroethene	ug/L	0.38 U	20	19.4	97	64-134	
Toluene	ug/L	0.33 U	20	19.2	96	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	20.3	101	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		20	15.2	76	42-129	
Trichloroethene	ug/L	0.36 U	20	21.2	106	70-130	
Trichlorofluoromethane	ug/L	0.72 U	20	17.5	87	65-135	
Vinyl acetate	ug/L		20	23.0	115	60-144	
Vinyl chloride	ug/L	0.39 U	20	14.8	74	68-131	
Xylene (Total)	ug/L	2.1 U	60	58.2	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%				103	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 5663536

Parameter	Units	35895241008 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L		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		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

SAMPLE DUPLICATE: 5663536

Parameter	Units	35895241008 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	
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		40	
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		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		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)	%	106	108		40	
4-Bromofluorobenzene (S)	%	95	94		40	
Toluene-d8 (S)	%	99	99		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

QC Batch: 1030858
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

METHOD BLANK: 5664284 Matrix: Water
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	08/03/24 23:33	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	08/03/24 23:33	

LABORATORY CONTROL SAMPLE: 5664285

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	0.28	114	60-140	

MATRIX SPIKE SAMPLE: 5664286

Parameter	Units	35895453001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0067 U	0.26	0.24	92	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.0079 U	0.26	0.25	96	60-140	

SAMPLE DUPLICATE: 5664287

Parameter	Units	35895453002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0068 U	0.0068 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.0079 U	0.0079 U		40	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

QC Batch: 1030764 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

METHOD BLANK: 5663684 Matrix: Water
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	5.0 U	5.0	5.0	08/01/24 12:25	

LABORATORY CONTROL SAMPLE: 5663685

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	250	240	96	90-110	

SAMPLE DUPLICATE: 5663686

Parameter	Units	35895424001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	244	244	0	20	

SAMPLE DUPLICATE: 5663687

Parameter	Units	35895037001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	141	139	2	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

QC Batch: 1031322 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

METHOD BLANK: 5667340 Matrix: Water
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	08/04/24 11:46	

LABORATORY CONTROL SAMPLE: 5667341

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

SAMPLE DUPLICATE: 5667342

Parameter	Units	35895453001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	359	324	10	10	

SAMPLE DUPLICATE: 5667343

Parameter	Units	35895453002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	217	224	3	10	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

QC Batch: 1030833
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

METHOD BLANK: 5664168 Matrix: Water
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	08/01/24 17:29	

LABORATORY CONTROL SAMPLE: 5664169

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.6	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5670685 5670686

Parameter	Units	35895285003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	94.5	50	50	145	147	101	105	90-110	1	20	L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5670687 5670688

Parameter	Units	35895453005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.8 I	50	50	48.4	50.4	87	91	90-110	4	20	J(M1)

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

QC Batch: 1031963
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895453001, 35895453002, 35895453003

METHOD BLANK: 5670242 Matrix: Water
Associated Lab Samples: 35895453001, 35895453002, 35895453003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	08/07/24 11:22	

LABORATORY CONTROL SAMPLE: 5670243

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: 5670245 5670244

Parameter	Units	35895151001 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	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5670246 5670247

Parameter	Units	35895362011 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	0.55	1	1	1.6	1.6	101	104	90-110	2	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

QC Batch: 1031965
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895453004, 35895453005, 35895453006

METHOD BLANK: 5670252 Matrix: Water
Associated Lab Samples: 35895453004, 35895453005, 35895453006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	08/07/24 12:38	

LABORATORY CONTROL SAMPLE: 5670253

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5670255 5670254

Parameter	Units	35895453004 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	0.072	1	1	1.1	1.1	102	101	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5670256 5670257

Parameter	Units	35894599002 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	0.18	1	1	1.2	1.2	104	100	90-110	3	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

QC Batch: 1031602
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895453001, 35895453002, 35895453003

METHOD BLANK: 5668320 Matrix: Water
Associated Lab Samples: 35895453001, 35895453002, 35895453003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.20 U	0.50	0.20	08/06/24 13:17	

LABORATORY CONTROL SAMPLE: 5668321

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	20	20.9	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5668345 5668344

Parameter	Units	35895151001 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	21.5	21.5	104	104	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5668347 5668346

Parameter	Units	35895151002 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	0.64	20	20	21.5	21.6	104	105	90-110	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

QC Batch: 1031604
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895453004, 35895453005, 35895453006

METHOD BLANK: 5668328 Matrix: Water
Associated Lab Samples: 35895453004, 35895453005, 35895453006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.20 U	0.50	0.20	08/06/24 13:57	

LABORATORY CONTROL SAMPLE: 5668329

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	20	20.9	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5668349 5668348

Parameter	Units	35895449002 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	0.84	20	20	21.8	21.8	105	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5668351 5668350

Parameter	Units	35895450001 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	1.1	20	20	22.0	22.2	104	106	90-110	1	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

QC Batch: 1030643
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453006

METHOD BLANK: 5663343 Matrix: Water
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	08/01/24 09:34	
Nitrogen, NO2 plus NO3	mg/L	0.015 U	0.050	0.015	08/01/24 09:34	

LABORATORY CONTROL SAMPLE: 5663344

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.0	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5663346 5663345

Parameter	Units	35895362007 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	1.4	1.6	71	81	90-110	13	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5663348 5663347

Parameter	Units	35895432002 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	1.7	1.7	83	85	90-110	2	20	J(M1)

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

QC Batch: 1030967
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895453004, 35895453005

METHOD BLANK: 5664919 Matrix: Water
Associated Lab Samples: 35895453004, 35895453005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	08/02/24 08:46	
Nitrogen, NO2 plus NO3	mg/L	0.015 U	0.050	0.015	08/02/24 08:46	

LABORATORY CONTROL SAMPLE: 5664920

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5664924 5664923

Parameter	Units	35895537001 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	ND	2	2	2.2	2.2	110	110	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5664926 5664925

Parameter	Units	35895454005 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	2.2	2.2	110	108	90-110	2	20	

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

QC Batch: 1030687
QC Batch Method: EPA 410.4
Analysis Method: EPA 410.4
Analysis Description: 410.4 COD
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

METHOD BLANK: 5663481 Matrix: Water
Associated Lab Samples: 35895453001, 35895453002, 35895453003, 35895453004, 35895453005, 35895453006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5 U	20.0	12.5	08/04/24 16:24	

LABORATORY CONTROL SAMPLE: 5663482

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	511	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5663484 5663483

Parameter	Units	35895342001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	12.5 U	500	500	502	499	99	99	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5663486 5663485

Parameter	Units	35895380001 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	34.3	500	500	527	524	99	98	90-110	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.

REPORT OF LABORATORY ANALYSIS

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Pompano Beach, FL 33064
(954)582-4300

QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

QC Batch: 1030678
QC Batch Method: SM 5310B
Analysis Method: SM 5310B
Analysis Description: 5310B TOC
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895453001, 35895453002

METHOD BLANK: 5663469 Matrix: Water
Associated Lab Samples: 35895453001, 35895453002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	08/01/24 12:02	

LABORATORY CONTROL SAMPLE: 5663470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	20	19.5	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5663471 5663472

Parameter	Units	35895414001 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	3.2	20	20	24.5	24.3	106	105	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5663473 5663474

Parameter	Units	35895362009 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	2.3	20	20	21.3	21.0	95	94	80-120	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 2nd Semiannual RRF
Pace Project No.: 35895453

QC Batch: 1030683 | Analysis Method: SM 5310B
QC Batch Method: SM 5310B | Analysis Description: 5310B TOC
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895453003, 35895453004, 35895453005, 35895453006

METHOD BLANK: 5663475 Matrix: Water
Associated Lab Samples: 35895453003, 35895453004, 35895453005, 35895453006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	08/01/24 19:39	

LABORATORY CONTROL SAMPLE: 5663476

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5663477 5663478

Parameter	Units	35895453003 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	53.6	20	20	74.0	72.5	102	94	80-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5663479 5663480

Parameter	Units	35895314005 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	9.6	20	20	29.3	29.6	98	100	80-120	1	20	

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QUALIFIERS

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

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.
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 2nd Semiannual RRF
Pace Project No.: 35895453

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35895453001	**RR17(60)**				
35895453002	**NW23(60)**				
35895453003	**NW23(30)**				
35895453004	**NW23(15)**				
35895453005	**NW23(15) Duplicate**				
35895453001	**RR17(60)**	EPA 8011	1030858	EPA 8011	1031298
35895453002	**NW23(60)**	EPA 8011	1030858	EPA 8011	1031298
35895453003	**NW23(30)**	EPA 8011	1030858	EPA 8011	1031298
35895453004	**NW23(15)**	EPA 8011	1030858	EPA 8011	1031298
35895453005	**NW23(15) Duplicate**	EPA 8011	1030858	EPA 8011	1031298
35895453006	**EQ Blank 073124**	EPA 8011	1030858	EPA 8011	1031298
35895453001	**RR17(60)**	EPA 3010	1030946	EPA 6010	1030961
35895453002	**NW23(60)**	EPA 3010	1030946	EPA 6010	1030961
35895453003	**NW23(30)**	EPA 3010	1030946	EPA 6010	1030961
35895453004	**NW23(15)**	EPA 3010	1030946	EPA 6010	1030961
35895453005	**NW23(15) Duplicate**	EPA 3010	1030946	EPA 6010	1030961
35895453006	**EQ Blank 073124**	EPA 3010	1030946	EPA 6010	1030961
35895453001	**RR17(60)**	EPA 3010	1030945	EPA 6020	1030960
35895453002	**NW23(60)**	EPA 3010	1030945	EPA 6020	1030960
35895453003	**NW23(30)**	EPA 3010	1030945	EPA 6020	1030960
35895453004	**NW23(15)**	EPA 3010	1030945	EPA 6020	1030960
35895453005	**NW23(15) Duplicate**	EPA 3010	1030945	EPA 6020	1030960
35895453006	**EQ Blank 073124**	EPA 3010	1030945	EPA 6020	1030960
35895453001	**RR17(60)**	EPA 7470	1031332	EPA 7470	1031337
35895453002	**NW23(60)**	EPA 7470	1031332	EPA 7470	1031337
35895453003	**NW23(30)**	EPA 7470	1031332	EPA 7470	1031337
35895453004	**NW23(15)**	EPA 7470	1031332	EPA 7470	1031337
35895453005	**NW23(15) Duplicate**	EPA 7470	1031332	EPA 7470	1031337
35895453006	**EQ Blank 073124**	EPA 7470	1031332	EPA 7470	1031337
35895453001	**RR17(60)**	EPA 8260	1030712		
35895453002	**NW23(60)**	EPA 8260	1030712		
35895453003	**NW23(30)**	EPA 8260	1030712		
35895453004	**NW23(15)**	EPA 8260	1030712		
35895453005	**NW23(15) Duplicate**	EPA 8260	1030712		
35895453006	**EQ Blank 073124**	EPA 8260	1030712		
35895453001	**RR17(60)**	SM 2320B	1030764		
35895453002	**NW23(60)**	SM 2320B	1030764		
35895453003	**NW23(30)**	SM 2320B	1030764		
35895453004	**NW23(15)**	SM 2320B	1030764		
35895453005	**NW23(15) Duplicate**	SM 2320B	1030764		
35895453006	**EQ Blank 073124**	SM 2320B	1030764		
35895453001	**RR17(60)**	SM 2540C	1031322		
35895453002	**NW23(60)**	SM 2540C	1031322		
35895453003	**NW23(30)**	SM 2540C	1031322		
35895453004	**NW23(15)**	SM 2540C	1031322		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35895453005	**NW23(15) Duplicate**	SM 2540C	1031322		
35895453006	**EQ Blank 073124**	SM 2540C	1031322		
35895453001	**RR17(60)**	TKN-NH3 Calculation	1032205		
35895453002	**NW23(60)**	TKN-NH3 Calculation	1032205		
35895453003	**NW23(30)**	TKN-NH3 Calculation	1032205		
35895453004	**NW23(15)**	TKN-NH3 Calculation	1032205		
35895453005	**NW23(15) Duplicate**	TKN-NH3 Calculation	1032205		
35895453006	**EQ Blank 073124**	TKN-NH3 Calculation	1032205		
35895453001	**RR17(60)**	EPA 300.0	1030833		
35895453002	**NW23(60)**	EPA 300.0	1030833		
35895453003	**NW23(30)**	EPA 300.0	1030833		
35895453004	**NW23(15)**	EPA 300.0	1030833		
35895453005	**NW23(15) Duplicate**	EPA 300.0	1030833		
35895453006	**EQ Blank 073124**	EPA 300.0	1030833		
35895453001	**RR17(60)**	EPA 350.1	1031963		
35895453002	**NW23(60)**	EPA 350.1	1031963		
35895453003	**NW23(30)**	EPA 350.1	1031963		
35895453004	**NW23(15)**	EPA 350.1	1031965		
35895453005	**NW23(15) Duplicate**	EPA 350.1	1031965		
35895453006	**EQ Blank 073124**	EPA 350.1	1031965		
35895453001	**RR17(60)**	EPA 351.2	1031602	EPA 351.2	1031708
35895453002	**NW23(60)**	EPA 351.2	1031602	EPA 351.2	1031708
35895453003	**NW23(30)**	EPA 351.2	1031602	EPA 351.2	1031708
35895453004	**NW23(15)**	EPA 351.2	1031604	EPA 351.2	1031711
35895453005	**NW23(15) Duplicate**	EPA 351.2	1031604	EPA 351.2	1031711
35895453006	**EQ Blank 073124**	EPA 351.2	1031604	EPA 351.2	1031711
35895453001	**RR17(60)**	EPA 353.2	1030643		
35895453002	**NW23(60)**	EPA 353.2	1030643		
35895453003	**NW23(30)**	EPA 353.2	1030643		
35895453004	**NW23(15)**	EPA 353.2	1030967		
35895453005	**NW23(15) Duplicate**	EPA 353.2	1030967		
35895453006	**EQ Blank 073124**	EPA 353.2	1030643		
35895453001	**RR17(60)**	EPA 410.4	1030687	EPA 410.4	1031376
35895453002	**NW23(60)**	EPA 410.4	1030687	EPA 410.4	1031376
35895453003	**NW23(30)**	EPA 410.4	1030687	EPA 410.4	1031376
35895453004	**NW23(15)**	EPA 410.4	1030687	EPA 410.4	1031376
35895453005	**NW23(15) Duplicate**	EPA 410.4	1030687	EPA 410.4	1031376
35895453006	**EQ Blank 073124**	EPA 410.4	1030687	EPA 410.4	1031376
35895453001	**RR17(60)**	SM 5310B	1030678		
35895453002	**NW23(60)**	SM 5310B	1030678		
35895453003	**NW23(30)**	SM 5310B	1030683		
35895453004	**NW23(15)**	SM 5310B	1030683		
35895453005	**NW23(15) Duplicate**	SM 5310B	1030683		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 2nd Semiannual RRF
Pace Project No.: 35895453

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35895453006	**EQ Blank 073124**	SM 5310B	1030683		

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

CHAIN-OF-CUSTODY Analytical Request Document

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

WO# : 35895453

35895453

Company Name:	Miami-Dade Department of Solid Waste Management	Contact/Report To:	Mario Porcelli
Street Address:	2525 NW 62, Miami, FL 33147	Phone #:	(305)592-1187
		E-Mail:	mario.porcelli@miamidade.gov
Customer Project #:		Cc E-Mail:	
Project Name:	FDEP 2nd Semiannual RRF	Invoice To:	Mario Porcelli
		Invoice E-Mail:	mario.porcelli@miamidade.gov
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	SW0000002055
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Florida

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

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:

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 Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	5310B TOC	8011 GCS EDB and DBCP	8260 MSV	Alkalinity, TDS	Metals 6010/6020/7470	NH3 TKN TON COD	NO2, NO3, CL	Sample Comment
MW17 (60)					7/31/24	815	11			X	X	X	X	X	X	X	
MW23 (60)						915											
MW23 (30)						953											
MW23 (15)						1019											
DUPE						1026											
EQ Blank						1027											

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**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) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Rossy Guima
AcctNum / Client ID:
Table #:
Profile / Template: 3549
Prelog / Bottle Ord. ID: EZ 3142770

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By:
(Printed Name) Richard Flores
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
RF/Pace	7/31/24 1310	SS/Pace	7/31/24 1310	
SS	7/31/24 1830	TSI/Pace	7/31/24 2238	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: RRR	SITE LOCATION: Doral	
WELL NO: RR17(60)	SAMPLE ID: RR17(60)	DATE: 7/31/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.72	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)
= (60 feet – 5.72 feet) X 0.16 gallons/foot = 8.68 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 730	PURGING ENDED AT: 814	TOTAL VOLUME PURGED (gallons): 12.9

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
759	8.7	8.7	0.30	5.72	7.00	26.1	597	0.4/0.03	0.26	Clear	Mild
807	2.1	10.8	"	"	7.01	26.1	596	0.3/0.02	0.20	"	"
814	2.1	12.9	"	"	7.01	26.1	597	0.3/0.02	0.20	"	"

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 Flores / Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 815	SAMPLING ENDED AT: 821
PUMP OR TUBING DEPTH IN WELL (feet): 10	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
RR17(60)	1	PE	500mL	Cool	0	7.01	Alkalinity, TDS	APP	300
	1	PE	250mL	Cool		7.01	NO2, NO3 CL	"	"
	1	PE	250mL	H_2SO_4		<2	NH3 TKN TON COD		
	1	PE	250mL	HNO_3		<2	Metals		
	2	CG	40mL	$Na_2S_2O_3$		<2	GCS KDB DBCP		
	2	CG	40mL	HCl		<2	TOC		
REMARKS:	3	CG	40mL	HCl		<2	MSV		

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: NNF	SITE LOCATION: Doral	
WELL NO: NW23(60)	SAMPLE ID: NW23(60)	DATE: 7/31/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.24	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)
= (60 feet – 6.24 feet) X 0.16 gallons/foot = 8.66 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 830	PURGING ENDED AT: 914	TOTAL VOLUME PURGED (gallons): 12.9

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
859	8.7	8.7	0.30	6.24	7.08	26.7	338	0.3/0.03	1.26	clear	mild
907	2.1	10.8	"	"	7.07	26.7	337	0.3/0.03	1.15	"	"
914	2.1	12.9	"	"	7.07	26.7	337	0.3/0.03	1.17	"	"

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 Flores/Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 915	SAMPLING ENDED AT: 921
PUMP OR TUBING DEPTH IN WELL (feet): 10	TUBING MATERIAL CODE: HDPE-S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
NW23(60)	1	PE	500mL	cool	0	7.07	Alkalinity TDS	APP	300
	1	PE	250mL	cool		7.07	NO2, NO3, Cl		
	1	PE	250mL	H_2SO_4		<2	NH3 TKN TOP COD		
	1	PE	250mL	HNO_3		<2	Metals		
	2	CG	40mL	$NaSiO_3$		<2	GCS KOH DOCP		
	2	CG	40mL	HCl		<2	TOC MSV		
REMARKS:	3	CG	60mL	HCl		<2			

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: RNF	SITE LOCATION: Doral	
WELL NO: MW23(30)	SAMPLE ID: MW23(30)	DATE: 7/31/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.60	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)

= (30 feet – 5.60 feet) X 0.16 gallons/foot = 3.90 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 931	PURGING ENDED AT: 952	TOTAL VOLUME PURGED (gallons): 6.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
940	3.9	3.9	0.30	5.60	7.07	26.4	781	0.5 10.04	0.48	clear	Mild
946	1.2	5.1	"	"	7.07	26.4	782	0.4 10.03	0.37	"	"
952	1.2	6.3	"	"	7.07	26.5	782	0.4 10.03	0.32	"	"

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 Rivera	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 953	SAMPLING ENDED AT: 959
PUMP OR TUBING DEPTH IN WELL (feet): 10	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N(replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW23(30)	1	PE	500mL	COOL	0	7.07	Alkalinity, TDS	APP	300
	1	PE	250mL	COOL		7.07	NOX, NO3, Cl		
	1	PE	250mL	H_2SO_4		<2	NH3 TKN TOX COD		
	1	PE	250mL	HNO_3		<2	Metals		
	2	CG	40mL	$Na_2S_2O_3$		<2	CCS VOA DRO		
	2	CG	40mL	HCl		<2	TOC		
REMARKS:	3	CG	40mL	HCl		<2	AGV		

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: RRF	SITE LOCATION: Doral	
WELL NO: MW23(15)	SAMPLE ID: MW23(15)	DATE: 7/31/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.78	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15 feet – 6.78 feet) X 0.16 gallons/foot = 1.31 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 1010	PURGING ENDED AT: 1019	TOTAL VOLUME PURGED (gallons): 2.7

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1015	1.5	1.5	0.30	6.78	7.16	29.2	358	0.1 / 0.01	0.64	Clear	Mild
1017	0.6	2.1	"	"	7.15	29.2	359	0.1 / 0.01	0.46	"	"
1019	0.6	2.7	"	"	7.16	29.2	359	0.1 / 0.01	0.39	"	"

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 Flores/Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1019	SAMPLING ENDED AT: 1025
PUMP OR TUBING DEPTH IN WELL (feet): 10	TUBING MATERIAL CODE: HDPE-S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW23(15)	1	PE	500mL	COOL	0	7.16	Alkalinity, TDS	APP	300
	1	PE	250mL	COOL		7.16	NO2, NO3, Cl		
	1	PE	250mL	H_2SO_4		<2	NH3 TKN TOC COD		
	1	PE	250mL	HNO_3		<2	Metals		
	2	CG	40mL	$Na_2S_2O_3$		<2	GCS KDB DRO		
	2	CG	40mL	HCl		<2	TOC		
REMARKS:	3	CG	40mL	HCl		<2	MSV		

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

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

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

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

Pace

WO# : 35895453

PM: RYG **Due Date: 08/08/24**

CLIENT: 36-MDSWM

Project #

Project Manager:

Client:

Date and Initials of person:

Examining contents: _____

Verifying pH: _____

Thermometer Used: T-398 Date: 07/31/2024 Time: 1310 Initials: GS

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

Cooler #1 Temp.°C 4.7	**(Visual)** -0.2	**(Correction Factor)** 4.5	**(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C 4.6	**(Visual)** _____	**(Correction Factor)** 4.4	**(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C _____	**(Visual)** _____	**(Correction Factor)** _____	**(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C _____	**(Visual)** _____	**(Correction Factor)** _____	**(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C _____	**(Visual)** _____	**(Correction Factor)** _____	**(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C _____	**(Visual)** _____	**(Correction Factor)** _____	**(Actual)**	☐Samples on ice, cooling process has begun.

Recheck for OOT °C _____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** **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:** _____
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☐Yes	☐No	☑N/A	**Lot / Trace:** _____ **Time:** _____ **Amount added (mL):** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☐No	☑N/A	
Trip Blank Present:	☐Yes	☑No	☐N/A	

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

Labeled by: _____ **Reviewed by:** _____ **Delivered by:** _____

Pace

WO# : 35895453

PM: RYG **Due Date: 08/08/24**
CLIENT: 36-MDSWM

Project #
Project Manager:
Client:

Date and Initials of person: 8/1/24
Examining contents: TSI
Verifying pH: TSI

Thermometer Used: T-414 Date: 7.31.24 Time: 2310 Initials: TSI

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

Cooler #1 Temp.°C 5.4 **(Visual)**	-0.1 **(Correction Factor)**	5.3 **(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C 3.6 **(Visual)**	_____ **(Correction Factor)**	3.5 **(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C _____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C _____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C _____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C _____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐Samples on ice, cooling process has begun.
Recheck for OOT °C _____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	**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**
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑Yes	☐No	☐N/A	**Preservative:** _____ **Date:** _____ **Lot / Trace:** _____ **Time:** _____ **Amount added (mL):** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☑Yes	☐No	☐N/A	
Trip Blank Present:	☐Yes	☑No	☐N/A	

Comments / Resolutions (use back for additional comments): No preservative info. RR17(60) times range from 815-820 1of3 8260 head space. NW23(60) times range from 916-921. NW23(30) times range from 953-959. NW23(15) times range from 1019-1025 2of3 8260 have headspace. Dupe ~~times range from~~ 1of3 8260 have headspace. EQ Blank times say 1026 TSI 8/1/23

Labeled by: TSI **Reviewed by:** [signature] **Delivered by:** TSI

Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

August 06, 2024

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

RE: Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895457

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on July 31, 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
Arelys Roman, Miami-Dade Department of Solid Waste Management

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Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

CERTIFICATIONS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895457

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
Nevada Certification: FL NELAC Reciprocity
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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Pompano Beach, FL 33064
(954)582-4300

SAMPLE SUMMARY

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895457

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35895457001	**M11 (30)**	Water	07/31/24 08:11	07/31/24 12:53
35895457002	**M11 (30) Duplicate**	Water	07/31/24 08:11	07/31/24 12:53
35895457003	**M11 (15)**	Water	07/31/24 08:42	07/31/24 12:53
35895457004	**M12 (60)**	Water	07/31/24 09:38	07/31/24 12:53
35895457005	**M12 (20)**	Water	07/31/24 10:11	07/31/24 12:53
35895457006	**M14 (60)**	Water	07/31/24 11:04	07/31/24 12:53
35895457007	**M14 (20)**	Water	07/31/24 11:36	07/31/24 12:53
35895457008	**EQ Blank 0731242**	Water	07/31/24 11:43	07/31/24 12:53

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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895457

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35895457001	**M11 (30)**	EPA 6010	AF	1	PASI-O
		SM 2540C	VAG	1	PASI-O
35895457002	**M11 (30) Duplicate**	EPA 6010	AF	1	PASI-O
		SM 2540C	VAG	1	PASI-O
35895457003	**M11 (15)**	EPA 6010	AF	1	PASI-O
		SM 2540C	VAG	1	PASI-O
35895457004	**M12 (60)**	EPA 6010	AF	1	PASI-O
		SM 2540C	VAG	1	PASI-O
35895457005	**M12 (20)**	EPA 6010	AF	1	PASI-O
		SM 2540C	VAG	1	PASI-O
35895457006	**M14 (60)**	EPA 6010	AF	1	PASI-O
		SM 2540C	VAG	1	PASI-O
35895457007	**M14 (20)**	EPA 6010	AF	1	PASI-O
		SM 2540C	VAG	1	PASI-O
35895457008	**EQ Blank 0731242**	EPA 6010	AF	1	PASI-O
		SM 2540C	VAG	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895457

Sample: M11 (30) **Lab ID: 35895457001** Collected: 07/31/24 08:11 Received: 07/31/24 12:53 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.83**	Std. Units			1		07/31/24 08:11		
Field Temperature	**27.2**	deg C			1		07/31/24 08:11		
Field Specific Conductance	**910**	umhos/cm			1		07/31/24 08:11		
Oxygen, Dissolved	**0.04**	mg/L			1		07/31/24 08:11	7782-44-7	
Turbidity	**0.54**	NTU			1		07/31/24 08:11		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**3660**	ug/L	40.0	25.0	1	08/03/24 01:52	08/05/24 16:35	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**436**	mg/L	5.0	5.0	1		08/04/24 11:46		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895457

Sample: M11 (30) Duplicate **Lab ID: 35895457002** Collected: 07/31/24 08:11 Received: 07/31/24 12:53 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.83**	Std. Units			1		07/31/24 08:11		
Field Temperature	**27.2**	deg C			1		07/31/24 08:11		
Field Specific Conductance	**910**	umhos/cm			1		07/31/24 08:11		
Oxygen, Dissolved	**0.04**	mg/L			1		07/31/24 08:11	7782-44-7	
Turbidity	**0.54**	NTU			1		07/31/24 08:11		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**3680**	ug/L	40.0	25.0	1	08/03/24 01:52	08/05/24 16:46	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**444**	mg/L	5.0	5.0	1		08/04/24 11:46		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895457

Sample: M11 (15) **Lab ID: 35895457003** Collected: 07/31/24 08:42 Received: 07/31/24 12:53 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.83**	Std. Units			1		07/31/24 08:42		
Field Temperature	**28.3**	deg C			1		07/31/24 08:42		
Field Specific Conductance	**924**	umhos/cm			1		07/31/24 08:42		
Oxygen, Dissolved	**0.05**	mg/L			1		07/31/24 08:42	7782-44-7	
Turbidity	**1.06**	NTU			1		07/31/24 08:42		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**5530**	ug/L	40.0	25.0	1	08/03/24 01:52	08/05/24 16:50	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**445**	mg/L	5.0	5.0	1		08/04/24 11:46		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895457

Sample: M12 (60) **Lab ID: 35895457004** Collected: 07/31/24 09:38 Received: 07/31/24 12:53 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.14**	Std. Units			1		07/31/24 09:38		
Field Temperature	**26.5**	deg C			1		07/31/24 09:38		
Field Specific Conductance	**584**	umhos/cm			1		07/31/24 09:38		
Oxygen, Dissolved	**0.03**	mg/L			1		07/31/24 09:38	7782-44-7	
Turbidity	**0.93**	NTU			1		07/31/24 09:38		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**582**	ug/L	40.0	25.0	1	08/03/24 01:52	08/05/24 16:54	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**361**	mg/L	5.0	5.0	1		08/04/24 11:46		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895457

Sample: M12 (20) **Lab ID: 35895457005** Collected: 07/31/24 10:11 Received: 07/31/24 12:53 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.06**	Std. Units			1		07/31/24 10:11		
Field Temperature	**27.5**	deg C			1		07/31/24 10:11		
Field Specific Conductance	**607**	umhos/cm			1		07/31/24 10:11		
Oxygen, Dissolved	**0.02**	mg/L			1		07/31/24 10:11	7782-44-7	
Turbidity	**0.55**	NTU			1		07/31/24 10:11		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**723**	ug/L	40.0	25.0	1	08/03/24 01:52	08/05/24 16:58	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**339**	mg/L	5.0	5.0	1		08/04/24 11:46		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895457

Sample: M14 (60) **Lab ID: 35895457006** Collected: 07/31/24 11:04 Received: 07/31/24 12:53 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.89**	Std. Units			1		07/31/24 11:04		
Field Temperature	**27.2**	deg C			1		07/31/24 11:04		
Field Specific Conductance	**993**	umhos/cm			1		07/31/24 11:04		
Oxygen, Dissolved	**0.03**	mg/L			1		07/31/24 11:04	7782-44-7	
Turbidity	**0.54**	NTU			1		07/31/24 11:04		
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	08/03/24 01:52	08/05/24 17:02	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**483**	mg/L	5.0	5.0	1		08/04/24 11:46		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895457

Sample: M14 (20) **Lab ID: 35895457007** Collected: 07/31/24 11:36 Received: 07/31/24 12:53 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		07/31/24 11:36		
Field Temperature	**27.8**	deg C			1		07/31/24 11:36		
Field Specific Conductance	**870**	umhos/cm			1		07/31/24 11:36		
Oxygen, Dissolved	**0.02**	mg/L			1		07/31/24 11:36	7782-44-7	
Turbidity	**0.31**	NTU			1		07/31/24 11:36		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**1310**	ug/L	40.0	25.0	1	08/03/24 01:52	08/05/24 17:05	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**472**	mg/L	5.0	5.0	1		08/04/24 11:46		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895457

Sample: EQ Blank 0731242 **Lab ID: 35895457008** Collected: 07/31/24 11:43 Received: 07/31/24 12:53 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	08/03/24 01:52	08/05/24 17:09	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		08/04/24 11:46		

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895457

QC Batch: 1031196
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895457001, 35895457002, 35895457003, 35895457004, 35895457005, 35895457006, 35895457007, 35895457008

METHOD BLANK: 5666644 Matrix: Water
Associated Lab Samples: 35895457001, 35895457002, 35895457003, 35895457004, 35895457005, 35895457006, 35895457007, 35895457008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron	ug/L	25.0 U	40.0	25.0	08/05/24 16:01	

LABORATORY CONTROL SAMPLE: 5666645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2500	2600	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5666646 5666647

Parameter	Units	35895452002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	1070	2500	2500	3660	3670	104	104	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 2nd Semiannual 58th
Pace Project No.: 35895457

QC Batch: 1031322
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895457001, 35895457002, 35895457003, 35895457004, 35895457005, 35895457006, 35895457007, 35895457008

METHOD BLANK: 5667340 Matrix: Water
Associated Lab Samples: 35895457001, 35895457002, 35895457003, 35895457004, 35895457005, 35895457006, 35895457007, 35895457008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	08/04/24 11:46	

LABORATORY CONTROL SAMPLE: 5667341

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

SAMPLE DUPLICATE: 5667342

Parameter	Units	35895453001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	359	324	10	10	

SAMPLE DUPLICATE: 5667343

Parameter	Units	35895453002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	217	224	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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QUALIFIERS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895457

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 2nd Semiannual 58th
Pace Project No.: 35895457

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35895457001	**M11 (30)**				
35895457002	**M11 (30) Duplicate**				
35895457003	**M11 (15)**				
35895457004	**M12 (60)**				
35895457005	**M12 (20)**				
35895457006	**M14 (60)**				
35895457007	**M14 (20)**				
35895457001	**M11 (30)**	EPA 3010	1031196	EPA 6010	1031213
35895457002	**M11 (30) Duplicate**	EPA 3010	1031196	EPA 6010	1031213
35895457003	**M11 (15)**	EPA 3010	1031196	EPA 6010	1031213
35895457004	**M12 (60)**	EPA 3010	1031196	EPA 6010	1031213
35895457005	**M12 (20)**	EPA 3010	1031196	EPA 6010	1031213
35895457006	**M14 (60)**	EPA 3010	1031196	EPA 6010	1031213
35895457007	**M14 (20)**	EPA 3010	1031196	EPA 6010	1031213
35895457008	**EQ Blank 0731242**	EPA 3010	1031196	EPA 6010	1031213
35895457001	**M11 (30)**	SM 2540C	1031322		
35895457002	**M11 (30) Duplicate**	SM 2540C	1031322		
35895457003	**M11 (15)**	SM 2540C	1031322		
35895457004	**M12 (60)**	SM 2540C	1031322		
35895457005	**M12 (20)**	SM 2540C	1031322		
35895457006	**M14 (60)**	SM 2540C	1031322		
35895457007	**M14 (20)**	SM 2540C	1031322		
35895457008	**EQ Blank 0731242**	SM 2540C	1031322		

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

WO# : 35895457

35895457

Company Name:	Miami-Dade Department of Solid Waste Management	Contact/Report To:	Mario Porcelli
Street Address:	2525 NW 62, Miami, FL 33147	Phone #:	(305)592-1187
		E-Mail:	mario.porcelli@miamidade.gov
Customer Project #:		Cc E-Mail:	
Project Name:	FDEP 2nd Semiannual 58th	Invoice To:	Mario Porcelli
		Invoice E-Mail:	mario.porcelli@miamidade.gov
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	SW0000002055
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Florida

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

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:

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)

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	6010 MET ICP: IRON	TDS	Sample Comment
M11(30)					7/31/24	0811	2			X	X	
M11(30)(Dup)						0811	2			X	X	
M11(15)						0842	2			X	X	
M12(60)						0938	2			X	X	
M12(20)						1011	2			X	X	
M14(60)						1104	2			X	X	
M14(20)						1136	2			X	X	
EQ Blank						1143	2			X	X	

*** 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

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

Lab Use Only

Proj. Mgr: Rossy Guima
AcctNum / Client ID:
Table #:
Profile / Template: 4097
Prelog / Bottle Ord. ID: EZ 3128813

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By:
(Printed Name) Terrence Mond
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Pace	7/31/24 1253	Pace	7/31/24 1253	
Pace	7/31/24 1830		7/31/24 2238	Delivered by: [ ] In- Person [ ] Courier
				[ ] FedEx [ ] UPS [ ] Other
				Page: of

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Form FD 9000-24

GROUNDWATER SAMPLING LOG

WATER Sa

SITE NAME: 58th St	SITE LOCATION: 8785 NW 58th St, Doral, FL 33178	
WELL NO: MW(30)	SAMPLE ID: MW(30)	DATE: 7/31/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.16	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (30.0 feet – 4.16 feet) X 0.16 gallons/foot = 4.1344 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.0	PURGING INITIATED AT: 0737	PURGING ENDED AT: 0810	TOTAL VOLUME PURGED (gallons): 6.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0758	4.2	4.2	0.20	4.17	6.83	27.1	890	0.05/0.6%	2.29	yellow	mild
0804	1.2	5.4	"	"	6.84	27.2	900	0.04/0.5%	1.76	"	"
0810	1.2	6.6	"	"	6.83	27.2	910	0.04/0.5%	0.54	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Terrence Mond/Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0811	SAMPLING ENDED AT: 0815
PUMP OR TUBING DEPTH IN WELL (feet): 6.0	TUBING MATERIAL CODE: LDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N)(replaced)	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW(30)	2	PE	250mL	HNO3	0	<2	6010 MET TCP: EPA	APP	300
1	2	PE	250mL	Cool	1	6.83	TDS	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** = 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: 58th St	SITE LOCATION: 8785 NW 58th St, Doral, FL 33178	
WELL NO: M11(15)	SAMPLE ID: M11(15)	DATE: 7/31/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.49	PURGE PUMP TYPE OR BAILER: PP

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

= (15.0 feet – 4.49 feet) X 0.16 gallons/foot = 1.6816 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.5	PURGING INITIATED AT: 0826	PURGING ENDED AT: 0841	TOTAL VOLUME PURGED (gallons): 3.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0835	1.8	1.8	0.20	4.49	6.83	28.3	924	0.06/0.8%	1.05	yellow	mild
0838	0.6	2.4	1	1	6.83	28.2	923	0.05/0.7%	0.78	1	1
0841	0.6	3.0	1	1	6.83	28.3	924	0.05/0.6%	1.06	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: Terrence Mord / Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0842	SAMPLING ENDED AT: 0844
PUMP OR TUBING DEPTH IN WELL (feet): 6.5	TUBING MATERIAL CODE: LDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
M11(15)	1	PE	250mL	HNO3	0	<2	6010 MET ICP: IRON	APP	300
1	1	PE	250mL	C001	1	6.83	TDS	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** = 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: 58th St	SITE LOCATION: 8785 NW 58th St, Doral, FL 33178	
WELL NO: M12(60)	SAMPLE ID: M12(60)	DATE: 7/31/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.70	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (60.0 feet – 4.70 feet) X 0.16 gallons/foot = 8.848 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.5	PURGING INITIATED AT: 0902	PURGING ENDED AT: 0937	TOTAL VOLUME PURGED (gallons): 14.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0925	9.2	9.2	0.40	4.72	7.16	26.6	576	0.04/0.5%	0.75	clear	Slight
0931	2.4	11.6	1	1	7.15	26.6	579	0.03/0.4%	0.34	1	1
0937	2.4	14.0	1	1	7.14	26.5	584	0.03/0.4%	0.93	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: Terrence Mond/Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0938	SAMPLING ENDED AT: 0940
PUMP OR TUBING DEPTH IN WELL (feet): 6.5	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
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)
M12(60)	1	PE	250mL	HNO3	0	<2	6010 MET ICP FROM		300
1	1	PE	250mL	Cool	1	7.14	TDS	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** = 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: 58th St	SITE LOCATION: 8785 NW 58th St, Doral, FL 33178	
WELL NO: M12(20)	SAMPLE ID: M12(20)	DATE: 7/31/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.80	PURGE PUMP TYPE OR BAILER: PP

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

= (20.0 feet – 4.80 feet) X 0.16 gallons/foot = 2.432 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.0	PURGING INITIATED AT: 0949	PURGING ENDED AT: 1010	TOTAL VOLUME PURGED (gallons): 4.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1002	2.6	2.6	0.20	4.80	7.06	27.7	604	0.02/0.2%	1.20	clear	Slight
1006	0.8	3.4	1	1	7.06	27.6	605	0.02/0.3%	0.64	1	1
1010	0.8	4.2	1	1	7.06	27.5	607	0.02/0.2%	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: Terrence Mond / Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1011	SAMPLING ENDED AT: 1013
PUMP OR TUBING DEPTH IN WELL (feet): 7.0	TUBING MATERIAL CODE: LDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
M12(20)	1	PE	250mL	HNO3	0	<2	6010 met TDS ICP	APP	300
1	1	PE	250mL	0001	1	7.06	TDS	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** = 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: 58th St	SITE LOCATION: 8785 NW 58th St, Doral, FL 33178	
WELL NO: M14(60)	SAMPLE ID: M14(60)	DATE: 7/31/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.16	PURGE PUMP TYPE OR BAILER: ESP

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

= (60.0 feet – 4.16 feet) X 0.16 gallons/foot = 8.9344 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.0	PURGING INITIATED AT: 1028	PURGING ENDED AT: ~~1040~~ 1103	TOTAL VOLUME PURGED (gallons): 14.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1051	9.2	9.2	0.40	4.17	6.89	27.3	994	0.04/0.5%	1.13	clear	Slight
1057	2.4	11.6	1	1	6.89	27.3	994	0.03/0.4%	0.64	1	1
1103	2.4	14.0	1	1	6.89	27.2	993	0.03/0.4%	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: Terrence Mord/pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1104	SAMPLING ENDED AT: 1106
PUMP OR TUBING DEPTH IN WELL (feet): 6.0	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
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)
M14(60)	1	PE	250mL	HNO3	0	<2	6010 MET ICP IRON	ESP	300
1	1	PE	250mL	Cool	1	6.89	TDS	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** = 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: 58th St	SITE LOCATION: 8785 NW 58th St, Doral, FL 33178	
WELL NO: MW4(20)	SAMPLE ID: MW4(20)	DATE: 7/31/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.21	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 feet − 4.21 feet) X 0.16 gallons/foot = 2.5264 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.5	PURGING INITIATED AT: 1114	PURGING ENDED AT: 1135	TOTAL VOLUME PURGED (gallons): 4.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1127	2.6	2.6	0.20	4.21	6.87	27.7	851	0.03/0.3%	0.56	Clear	Strong
1131	0.8	3.4	"	"	6.88	27.8	862	0.02/0.3%	0.47	"	"
1135	0.8	4.2	"	"	6.88	27.8	870	0.02/0.2%	0.31	"	"

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: Terrence Morel/Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1136	SAMPLING ENDED AT: 1138
PUMP OR TUBING DEPTH IN WELL (feet): 6.5	TUBING MATERIAL CODE: LDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW4(20)	1	PE	250mL	HNO3	0	<2	6010 MET ICP 200.8	APP	300
"	1	PE	250mL	COOL	"	6.88	TDS	"	"

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: 58th St	SITE LOCATION: 8785 NW 58th St, Doral, FL 33178	
WELL NO: EQ Blank	SAMPLE ID: EQ Blank	DATE: 7/31/24

PURGING DATA

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

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

= (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)

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 1.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 1.0	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 (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)
		EQ 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: Terrence Mond/Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1143	SAMPLING ENDED AT: 1145
PUMP OR TUBING DEPTH IN WELL (feet): 1.0	TUBING MATERIAL CODE: LDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MH4(20)	1	PE	250mL	HNO3	0	<2	6010 DMET ICP Iron	APP	300
1	1	PE	250mL	Cool	1	N/A	TDS	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** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

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

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

Pace

Sample Condition Upon Receipt Form (SCUR)

WO# : 35895457

Project #
Project Manager: PM: RYG **Due Date:** 08/08/24
Client: CLIENT: 36-MDSWM

Date and Initials of person:
Examining contents: _____
Verifying pH: _____

Thermometer Used: T-398 Date: 07/31/2024 Time: 1153 Initials: GS

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

Cooler #1 Temp.°C	3.2 (Visual)	-0.2 (Correction Factor)	3.0 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	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: _____
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☐Yes	☐No	☑N/A	Lot / Trace: _____ Time: _____ Amount added (mL): _____ Initials: _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☐No	☑N/A	
Trip Blank Present:	☐Yes	☑No	☐N/A	

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

Labeled by: _____ **Reviewed by:** _____ **Delivered by:** _____

Pace

Sample Condition Upon Receipt Form (SCUR)

WO#: 35895457

PM: RYG **Due Date: 08/08/24**

CLIENT: 36-MDSWM

Project #

Project Manager:

Client:

Date and Initials of person: 8/1/24 TSI

Examining contents: _____

Verifying pH: TSI

Thermometer Used: T-427 Date: 7/31/24 Time: 2303 Initials: _____

State of Origin: _____

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

Cooler #1 Temp.°C	1.4 (Visual)	0 (Correction Factor)	1.4 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	**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**
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑Yes	☐No	☐N/A	**Preservative:** _____ **Date:** _____ **Lot / Trace:** _____ **Time:** _____ **Amount added (mL):** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☐No	☑N/A	
Trip Blank Present:	☐Yes	☐No	☑N/A	

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

Labeled by: _____ **Reviewed by:** _____ **Delivered by:** _____

Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

August 08, 2024

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

RE: Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895701

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on August 01, 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
Arelys Roman, Miami-Dade Department of Solid Waste Management

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CERTIFICATIONS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895701

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
Nevada Certification: FL NELAC Reciprocity
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 2nd Semiannual 58th
Pace Project No.: 35895701

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35895701001	**M3 (70)**	Water	08/01/24 09:28	08/01/24 13:00
35895701002	**M3 (50)**	Water	08/01/24 08:29	08/01/24 13:00
35895701003	**M3 (30)**	Water	08/01/24 09:51	08/01/24 13:00
35895701004	**M4 (60)**	Water	08/01/24 11:02	08/01/24 13:00
35895701005	**M4 (60) Duplicate**	Water	08/01/24 11:02	08/01/24 13:00
35895701006	**M4 (30)**	Water	08/01/24 11:32	08/01/24 13:00
35895701007	**EQ Blank 080124**	Water	08/01/24 12:03	08/01/24 13:00

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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895701

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35895701001	**M3 (70)**	EPA 6010	AF	1	PASI-O
		SM 2540C	WW1	1	PASI-O
35895701002	**M3 (50)**	EPA 6010	AF	1	PASI-O
		SM 2540C	WW1	1	PASI-O
35895701003	**M3 (30)**	EPA 6010	AF	1	PASI-O
		SM 2540C	WW1	1	PASI-O
35895701004	**M4 (60)**	EPA 6010	AF	1	PASI-O
		SM 2540C	WW1	1	PASI-O
35895701005	**M4 (60) Duplicate**	EPA 6010	AF	1	PASI-O
		SM 2540C	WW1	1	PASI-O
35895701006	**M4 (30)**	EPA 6010	AF	1	PASI-O
		SM 2540C	WW1	1	PASI-O
35895701007	**EQ Blank 080124**	EPA 6010	AF	1	PASI-O
		SM 2540C	WW1	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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Pompano Beach, FL 33064
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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895701

Sample: M3 (70) **Lab ID: 35895701001** Collected: 08/01/24 09:28 Received: 08/01/24 13:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.21**	Std. Units			1		08/01/24 09:28		
Field Temperature	**27.1**	deg C			1		08/01/24 09:28		
Field Specific Conductance	**885**	umhos/cm			1		08/01/24 09:28		
Oxygen, Dissolved	**0.21**	mg/L			1		08/01/24 09:28	7782-44-7	
Turbidity	**3.83**	NTU			1		08/01/24 09:28		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**2760**	ug/L	40.0	25.0	1	08/06/24 09:02	08/07/24 16:52	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**449**	mg/L	5.0	5.0	1		08/05/24 08:46		

REPORT OF LABORATORY ANALYSIS

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Pompano Beach, FL 33064
(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895701

Sample: M3 (50) **Lab ID: 35895701002** Collected: 08/01/24 08:29 Received: 08/01/24 13:00 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		08/01/24 08:29		
Field Temperature	**27.5**	deg C			1		08/01/24 08:29		
Field Specific Conductance	**763**	umhos/cm			1		08/01/24 08:29		
Oxygen, Dissolved	**0.18**	mg/L			1		08/01/24 08:29	7782-44-7	
Turbidity	**12.8**	NTU			1		08/01/24 08:29		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**1300**	ug/L	40.0	25.0	1	08/06/24 09:02	08/07/24 16:56	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**379**	mg/L	5.0	5.0	1		08/05/24 08:46		

REPORT OF LABORATORY ANALYSIS

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Pompano Beach, FL 33064
(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895701

Sample: M3 (30) **Lab ID: 35895701003** Collected: 08/01/24 09:51 Received: 08/01/24 13:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.18**	Std. Units			1		08/01/24 09:51		
Field Temperature	**28.0**	deg C			1		08/01/24 09:51		
Field Specific Conductance	**960**	umhos/cm			1		08/01/24 09:51		
Oxygen, Dissolved	**0.14**	mg/L			1		08/01/24 09:51	7782-44-7	
Turbidity	**0.97**	NTU			1		08/01/24 09:51		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**1940**	ug/L	40.0	25.0	1	08/06/24 09:02	08/07/24 16:59	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**461**	mg/L	5.0	5.0	1		08/05/24 08:46		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895701

Sample: M4 (60) **Lab ID: 35895701004** Collected: 08/01/24 11:02 Received: 08/01/24 13:00 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		08/01/24 11:02		
Field Temperature	**26.8**	deg C			1		08/01/24 11:02		
Field Specific Conductance	**785**	umhos/cm			1		08/01/24 11:02		
Oxygen, Dissolved	**0.06**	mg/L			1		08/01/24 11:02	7782-44-7	
Turbidity	**7.47**	NTU			1		08/01/24 11:02		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**986**	ug/L	40.0	25.0	1	08/06/24 09:02	08/07/24 17:03	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**411**	mg/L	5.0	5.0	1		08/05/24 08:46		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895701

Sample: M4 (60) Duplicate **Lab ID: 35895701005** Collected: 08/01/24 11:02 Received: 08/01/24 13:00 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		08/01/24 11:02		
Field Temperature	**26.8**	deg C			1		08/01/24 11:02		
Field Specific Conductance	**785**	umhos/cm			1		08/01/24 11:02		
Oxygen, Dissolved	**0.06**	mg/L			1		08/01/24 11:02	7782-44-7	
Turbidity	**7.47**	NTU			1		08/01/24 11:02		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**980**	ug/L	40.0	25.0	1	08/06/24 09:02	08/07/24 17:07	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**404**	mg/L	5.0	5.0	1		08/05/24 08:46		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895701

Sample: M4 (30) **Lab ID: 35895701006** Collected: 08/01/24 11:32 Received: 08/01/24 13:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.24**	Std. Units			1		08/01/24 11:32		
Field Temperature	**27.2**	deg C			1		08/01/24 11:32		
Field Specific Conductance	**797**	umhos/cm			1		08/01/24 11:32		
Oxygen, Dissolved	**0.15**	mg/L			1		08/01/24 11:32	7782-44-7	
Turbidity	**12.2**	NTU			1		08/01/24 11:32		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**2190**	ug/L	40.0	25.0	1	08/06/24 09:02	08/07/24 17:18	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**407**	mg/L	5.0	5.0	1		08/05/24 08:46		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895701

Sample: EQ Blank 080124 **Lab ID: 35895701007** Collected: 08/01/24 12:03 Received: 08/01/24 13:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**25.0 U**	ug/L	40.0	25.0	1	08/06/24 09:02	08/07/24 17:22	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		08/05/24 08:46		

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Pompano Beach, FL 33064
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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895701

QC Batch: 1031656 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895701001, 35895701002, 35895701003, 35895701004, 35895701005, 35895701006, 35895701007

METHOD BLANK: 5668506 — Matrix: Water
Associated Lab Samples: 35895701001, 35895701002, 35895701003, 35895701004, 35895701005, 35895701006, 35895701007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron	ug/L	25.0 U	40.0	25.0	08/07/24 15:29	

LABORATORY CONTROL SAMPLE: 5668507

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2500	2410	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5668508 5668509

Parameter	Units	35895560001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	2590	2500	2500	4910	5010	93	97	75-125	2	20	

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

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895701

QC Batch: 1031405 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895701001, 35895701002, 35895701003, 35895701004, 35895701005, 35895701006, 35895701007

METHOD BLANK: 5667472 Matrix: Water
Associated Lab Samples: 35895701001, 35895701002, 35895701003, 35895701004, 35895701005, 35895701006, 35895701007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	08/05/24 08:46	

LABORATORY CONTROL SAMPLE: 5667473

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

SAMPLE DUPLICATE: 5667474

Parameter	Units	35895571001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	323	329	2	10	

SAMPLE DUPLICATE: 5667475

Parameter	Units	35895578001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	320	320	0	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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Pompano Beach, FL 33064
(954)582-4300

QUALIFIERS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895701

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 2nd Semiannual 58th
Pace Project No.: 35895701

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35895701001	**M3 (70)**				
35895701002	**M3 (50)**				
35895701003	**M3 (30)**				
35895701004	**M4 (60)**				
35895701005	**M4 (60) Duplicate**				
35895701006	**M4 (30)**				
35895701001	**M3 (70)**	EPA 3010	1031656	EPA 6010	1031897
35895701002	**M3 (50)**	EPA 3010	1031656	EPA 6010	1031897
35895701003	**M3 (30)**	EPA 3010	1031656	EPA 6010	1031897
35895701004	**M4 (60)**	EPA 3010	1031656	EPA 6010	1031897
35895701005	**M4 (60) Duplicate**	EPA 3010	1031656	EPA 6010	1031897
35895701006	**M4 (30)**	EPA 3010	1031656	EPA 6010	1031897
35895701007	**EQ Blank 080124**	EPA 3010	1031656	EPA 6010	1031897
35895701001	**M3 (70)**	SM 2540C	1031405		
35895701002	**M3 (50)**	SM 2540C	1031405		
35895701003	**M3 (30)**	SM 2540C	1031405		
35895701004	**M4 (60)**	SM 2540C	1031405		
35895701005	**M4 (60) Duplicate**	SM 2540C	1031405		
35895701006	**M4 (30)**	SM 2540C	1031405		
35895701007	**EQ Blank 080124**	SM 2540C	1031405		

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

CHAIN-OF-CUSTODY Analytical Request Document

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

WO# : 35895701

35895701

Company Name:	Miami-Dade Department of Solid Waste Management	Contact/Report To:	Mario Porcelli
Street Address:	2525 NW 62, Miami, FL 33147	Phone #:	(305)592-1187
		E-Mail:	mario.porcelli@miamidade.gov
Customer Project #:		Cc E-Mail:	
Project Name:	FDEP 2nd Semiannual 58th	Invoice To:	Mario Porcelli
		Invoice E-Mail:	mario.porcelli@miamidade.gov
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	SW0000002055
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Florida

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

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:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**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) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Rossy Guima
AcctNum / Client ID:
Table #:
Profile / Template: 4097
Prelog / Bottle Ord. ID: EZ 3128813

* 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 Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	6010 MET ICP: IRON	TDS	Sample Comment	Preservation non-conformance identified for sample.
M3-TD					8-1-24	0928	2			X	X		
M3-5D						0829	2			X	X		
M3-3D						0951	2			X	X		
M4-6D						1102	2			X	X		
M4-6D-Dup						1102	2			X	X		
M4-3D						1132	2			X	X		
M4-1S						—	—			—	—		
EQ Blank						1203	2			X	X		

Additional Instructions from Pace®:

Collected By: (Printed Name) Kayla Askins
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

	Date/Time:		Date/Time:	
Relinquished by/Company: (Signature) KA Pace	8-1-24 1300	Received by/Company: (Signature) Pace	8-1-24 1300	Tracking Number:
Relinquished by/Company: (Signature) Pace	8-1-24 1830	Received by/Company: (Signature)	8/1/24 2235	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)		Received by/Company: (Signature)		
Relinquished by/Company: (Signature)		Received by/Company: (Signature)		Page: of

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

ENV-FRM-CORO-0019_v02_110123 ©

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Miami Dade Dept of Solid Waste	SITE LOCATION: Doral	
WELL NO: M3-(50)	SAMPLE ID: M3-(50)	DATE: 8-1-24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 17.66	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)
= (50 feet – 17.66 feet) x 0.16 gallons/foot = 5.1744 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 19	PURGING INITIATED AT: 0755	PURGING ENDED AT: 0828	TOTAL VOLUME PURGED (gallons): 8.25

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)
0816	5.25	5.25	0.25	17.71	7.20	27.5	763	0.19	16.2	tan	mild
0822	1.50	~~1.50~~ 6.75	"	"	7.21	27.5	764	0.18	14.5	"	"
0826	1.50	8.25	"	"	7.20	27.5	763	0.18	12.8	"	"

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: 0829	SAMPLING ENDED AT: 0831
PUMP OR TUBING DEPTH IN WELL (feet): 19	TUBING MATERIAL CODE: LDPE 1/3	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
M3	1	PE	250ml	Cool	9	7.20	TDS	APP	300
(50)	1	PE	250ml	HNO3	"	<2	6010 MET ICP/ICPM	"	"

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: Miami Dade Dept of Solid Waste	SITE LOCATION: Doral	
WELL NO: M3 - (70)	SAMPLE ID: M3 - (70)	DATE: 8-1-24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 18.01	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)
= (70 feet – 18.01 feet) x 0.16 gallons/foot = 8.3184 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 19.50	PURGING INITIATED AT: 0835	PURGING ENDED AT: 0927	TOTAL VOLUME PURGED (gallons): 13.00

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)
0909	8.50	8.50	0.25	18.04	7.21	27.1	884	0.24	2.58	Clear	Slight
0918	2.25	10.75	"	"	7.21	27.1	885	0.22	3.08	"	"
0927	2.25	13.00	"	"	7.21	27.1	885	0.21	3.83	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Kayla Askins / Pace	SAMPLER(S) SIGNATURE(S): K C	SAMPLING INITIATED AT: 0928	SAMPLING ENDED AT: 0938
PUMP OR TUBING DEPTH IN WELL (feet): 19.50	TUBING MATERIAL CODE: LDPE TS	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
M3	1	PE	250ml	Cool	9	7.21	TDS	APP	300
(70)	1	PE	250ml	HNO3	1	<2	6010 MET ICP/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** = 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: Miami Dade Dept of Solid Waste	SITE LOCATION: Doral	
WELL NO: M3 - (30)	SAMPLE ID: M3 - (30)	DATE: 8-1-24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 18.06	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 feet – 18.06 feet) X 0.16 gallons/foot = 1.9104 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 19.50	PURGING INITIATED AT: 0934	PURGING ENDED AT: 0950	TOTAL VOLUME PURGED (gallons): 3.20

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)
0944	2.00	2.00	0.20	18.06	7.17	27.9	960	0.15	1.46	tan	mild
0947	0.60	2.60	"	"	7.18	28.0	960	0.13	1.12	"	"
0950	0.60	3.20	"	"	7.18	28.0	960	0.14	0.97	"	"

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: 0951	SAMPLING ENDED AT: 0953
PUMP OR TUBING DEPTH IN WELL (feet): 19.50	TUBING MATERIAL CODE: LDPE LS	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
M3	1	PE	250ml	COOL	9	7.18	TDS	APP	300
(30)	1	PE	250ml	HNO3	"	<2	6010 MET ICP/ICPMS	"	"

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: Miam. Dade Dept of Solid Waste	SITE LOCATION: Doral	
WELL NO: MW (60)	SAMPLE ID: MW (60)	DATE: 8-1-24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 14.98	PURGE PUMP TYPE OR BAILER: PP

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

= (60 feet − 14.98 feet) X 0.16 gallons/foot = 7.2032 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 16.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 16.50	PURGING INITIATED AT: 1014	PURGING ENDED AT: 1101	TOTAL VOLUME PURGED (gallons): 11.28

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (mS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1045	7.44	7.44	0.24	15.00	7.22	26.7	785	0.07	7.57	Clear	Mild
1053	1.92	9.36	1	1	7.22	26.7	785	0.07	8.45	1	1
1101	1.92	11.28	1	1	7.22	26.8	785	0.06	7.47	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: Kayla Askins / Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1102	SAMPLING ENDED AT: 1106
PUMP OR TUBING DEPTH IN WELL (feet): 16.50	TUBING MATERIAL CODE: (L)PE TS	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N(replaced)	DUPLICATE: (Y) (N) KA	

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)
MW (60)	X4Y 2	PE	250ml	COOL	Y	7.22	TDS	APP	300
	X4Y 2	PE	250ml	HNO3	1	<2	6010 MET ICP/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** = 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: Miami Dade Dept of Solid Waste	SITE LOCATION: Doral	
WELL NO: MW (30)	SAMPLE ID: MW (30)	DATE: 8-1-24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 14.73	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 feet – 14.73 feet) X 0.16 gallons/foot = 2.4432 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 16.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 16.50	PURGING INITIATED AT: 1110	PURGING ENDED AT: 1131	TOTAL VOLUME PURGED (gallons): 4.20

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)
1123	2.60	2.60	0.20	14.75	7.24	27.2	797	0.19	11.7	Clear	Slight
1127	0.80	3.40	"	"	7.24	27.2	796	0.18	12.5	"	"
1131	0.80	4.20	"	"	7.24	27.2	797	0.15	12.2	"	"

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: 1132	SAMPLING ENDED AT: 1134
PUMP OR TUBING DEPTH IN WELL (feet): 16.50	TUBING MATERIAL CODE: LDPE-1S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW	1	PE	250ml	COOL	Q	7.24	TDS	APP	300
(30)	1	PE	250ml	HNO3	"	L2	(ICP/ICPMS) Iron	"	"

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: Miami Dade Dept of Solid Waste	SITE LOCATION: DOral	
WELL NO: M4(15)	SAMPLE ID: M4(15)	DATE: 8-1-24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 14.79	PURGE PUMP TYPE OR BAILER: PP

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

= (15 feet – 14.79 feet) X 0.16 gallons/foot = 0.0336 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): N/A	FINAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	PURGING INITIATED AT: N/A	PURGING ENDED AT: N/A	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)
		NO	SAMPLE COLLECTED WELL DRY								

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 Atkins/Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: N/A	SAMPLING ENDED AT: N/A
PUMP OR TUBING DEPTH IN WELL (feet): N/A	TUBING MATERIAL CODE: N/A	FIELD-FILTERED: Y N N/A Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y N N/A	TUBING Y N (replaced) N/A	DUPLICATE: Y N N/A	

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)
M4	1	PE	250ml	Cool		N/A	TDS	N/A	N/A
(15)	1	PE	250ml	HNO3		<2	6010 METALS/Iron	1	1

REMARKS:

15 ft deep well has static water level of 14.79 ft.

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: Miami Dade Dept of Solid Waste	SITE LOCATION: Doral	
WELL NO: EQ Blank	SAMPLE ID: EQ Blank	DATE: 5-1-24

PURGING DATA

WELL DIAMETER (inches): N/A	TUBING DIAMETER (inches): 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)
= (N/A feet – N/A feet) X N/A gallons/foot = N/A 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): 1''	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 1''	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 (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)

EQ 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: 1203	SAMPLING ENDED AT: 1205
PUMP OR TUBING DEPTH IN WELL (feet): 1''	TUBING MATERIAL CODE: LDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
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)
EQ	1	PE	250ml	Cool	4	N/A	TDS	APP	300
Blank	1	PE	250ml	HNO3		<2	6010 MET ICP/ICPM		

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)

DC#_Title: ENV-FRM-ORB1-0093 Sample Condition Upon Receipt Form
Version: 7 | Effective Date: | Issued by: Ormond Beach

Pace

WO# : 35895701

Project #
PM: RYG **Due Date: 08/09/24**
Project Manager:
CLIENT: 36-MDSWM
Client:

Date and Initials of person:
Examining contents: _____
Verifying pH: _____

Thermometer Used: T-398 Date: 08/01/2024 Time: 1300 Initials: GS

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

Cooler #1 Temp.°C 3.6 **(Visual)** -0.2 **(Correction Factor)** 3.2 **(Actual)** ☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C_____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C_____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C_____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C_____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C_____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** ☐Samples on ice, cooling process has begun.
Recheck for OOT °C _____ **(Visual)** _____ **(Correction Factor)** _____ **(Actual)** **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:** _____
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☐Yes	☐No	☑N/A	**Lot / Trace:** _____ **Time:** _____ **Amount added (mL):** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☑No	☐N/A	
Trip Blank Present:	☑Yes	☐No	☐N/A	

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

Labeled by:_____ **Reviewed by:**_____ **Delivered by:** _____

Qualtrax Document ID: 33786

Page 1 of 1

Pace

WO#: 35895701

PM: RYG **Due Date: 08/09/24**

CLIENT: 36-MDSWM

Project #

Project Manager:

Client:

Date and Initials of person: AH 8.2.24

Examining contents:

Verifying pH: AH

Thermometer Used: T-427 Date: 8/1/24 Time: 2300 Initials:

State of Origin: _____

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

Cooler #1 Temp.°C 4.2	**(Visual)** 0	**(Correction Factor)** 4.2	**(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C _____	**(Visual)** _____	**(Correction Factor)** _____	**(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C _____	**(Visual)** _____	**(Correction Factor)** _____	**(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C _____	**(Visual)** _____	**(Correction Factor)** _____	**(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C _____	**(Visual)** _____	**(Correction Factor)** _____	**(Actual)**	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C _____	**(Visual)** _____	**(Correction Factor)** _____	**(Actual)**	☐Samples on ice, cooling process has begun.
Recheck for OOT °C _____	**(Visual)** _____	**(Correction Factor)** _____	**(Actual)**	**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**
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑Yes	☐No	☐N/A	**Preservative:** _____ **Date:** _____ **Lot / Trace:** _____ **Time:** _____ **Amount added (mL):** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☐No	☑N/A	
Trip Blank Present:	☐Yes	☐No	☑N/A	

Comments / Resolutions (use back for additional comments): ~~MISSING SAMPLE ID~~ AH 8.2.24

Labeled by: TSI **Reviewed by:** AH **Delivered by:** AH

Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

August 08, 2024

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

RE: Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895728

Dear Mario Porcelli:

Enclosed are the analytical results for sample(s) received by the laboratory on August 01, 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
Arelys Roman, Miami-Dade Department of Solid Waste Management

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CERTIFICATIONS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895728

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
Nevada Certification: FL NELAC Reciprocity
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 2nd Semiannual 58th
Pace Project No.: 35895728

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35895728001	**M15 (60)**	Water	08/01/24 07:58	08/01/24 12:56
35895728002	**M15 (60) Duplicate**	Water	08/01/24 07:58	08/01/24 12:56
35895728003	**M15 (20)**	Water	08/01/24 08:30	08/01/24 12:56
35895728004	**M16 (60)**	Water	08/01/24 09:28	08/01/24 12:56
35895728005	**M16 (20)**	Water	08/01/24 09:57	08/01/24 12:56
35895728006	**BC5 (60)**	Water	08/01/24 10:50	08/01/24 12:56
35895728007	**BC5 (20)**	Water	08/01/24 11:20	08/01/24 12:56
35895728008	**EQ Blank 0801242**	Water	08/01/24 11:26	08/01/24 12:56

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SAMPLE ANALYTE COUNT

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895728

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35895728001	**M15 (60)**	EPA 6010	AF	1	PASI-O
		SM 2540C	WW1	1	PASI-O
35895728002	**M15 (60) Duplicate**	EPA 6010	AF	1	PASI-O
		SM 2540C	WW1	1	PASI-O
35895728003	**M15 (20)**	EPA 6010	AF	1	PASI-O
		SM 2540C	WW1	1	PASI-O
35895728004	**M16 (60)**	EPA 6010	AF	1	PASI-O
		SM 2540C	WW1	1	PASI-O
35895728005	**M16 (20)**	EPA 6010	AF	1	PASI-O
		SM 2540C	WW1	1	PASI-O
35895728006	**BC5 (60)**	EPA 6010	AF	1	PASI-O
		SM 2540C	WW1	1	PASI-O
35895728007	**BC5 (20)**	EPA 6010	AF	1	PASI-O
		SM 2540C	WW1	1	PASI-O
35895728008	**EQ Blank 0801242**	EPA 6010	AF	1	PASI-O
		SM 2540C	WW1	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895728

Sample: M15 (60) **Lab ID: 35895728001** Collected: 08/01/24 07:58 Received: 08/01/24 12:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.61**	Std. Units			1		08/01/24 07:58		
Field Temperature	**28.1**	deg C			1		08/01/24 07:58		
Field Specific Conductance	**836**	umhos/cm			1		08/01/24 07:58		
Oxygen, Dissolved	**0.07**	mg/L			1		08/01/24 07:58	7782-44-7	
Turbidity	**1.71**	NTU			1		08/01/24 07:58		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**7630**	ug/L	40.0	25.0	1	08/06/24 10:39	08/07/24 17:33	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**447**	mg/L	5.0	5.0	1		08/05/24 08:02		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895728

Sample: M15 (60) Duplicate **Lab ID: 35895728002** Collected: 08/01/24 07:58 Received: 08/01/24 12:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.61**	Std. Units			1		08/01/24 07:58		
Field Temperature	**28.1**	deg C			1		08/01/24 07:58		
Field Specific Conductance	**836**	umhos/cm			1		08/01/24 07:58		
Oxygen, Dissolved	**0.07**	mg/L			1		08/01/24 07:58	7782-44-7	
Turbidity	**1.71**	NTU			1		08/01/24 07:58		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**7340**	ug/L	40.0	25.0	1	08/06/24 10:39	08/07/24 17:48	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**445**	mg/L	5.0	5.0	1		08/05/24 08:02		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895728

Sample: M15 (20) **Lab ID: 35895728003** Collected: 08/01/24 08:30 Received: 08/01/24 12:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.87**	Std. Units			1		08/01/24 08:30		
Field Temperature	**29.0**	deg C			1		08/01/24 08:30		
Field Specific Conductance	**941**	umhos/cm			1		08/01/24 08:30		
Oxygen, Dissolved	**0.06**	mg/L			1		08/01/24 08:30	7782-44-7	
Turbidity	**2.03**	NTU			1		08/01/24 08:30		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**1600**	ug/L	40.0	25.0	1	08/06/24 10:39	08/07/24 17:52	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**420**	mg/L	10.0	10.0	1		08/05/24 08:02		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895728

Sample: M16 (60) **Lab ID: 35895728004** Collected: 08/01/24 09:28 Received: 08/01/24 12:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.90**	Std. Units			1		08/01/24 09:28		
Field Temperature	**27.5**	deg C			1		08/01/24 09:28		
Field Specific Conductance	**1663**	umhos/cm			1		08/01/24 09:28		
Oxygen, Dissolved	**0.02**	mg/L			1		08/01/24 09:28	7782-44-7	
Turbidity	**1.19**	NTU			1		08/01/24 09:28		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**219**	ug/L	40.0	25.0	1	08/06/24 10:39	08/07/24 18:03	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**1140**	mg/L	10.0	10.0	1		08/05/24 08:02		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895728

Sample: M16 (20) **Lab ID: 35895728005** Collected: 08/01/24 09:57 Received: 08/01/24 12:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.78**	Std. Units			1		08/01/24 09:57		
Field Temperature	**28.1**	deg C			1		08/01/24 09:57		
Field Specific Conductance	**335**	umhos/cm			1		08/01/24 09:57		
Oxygen, Dissolved	**0.02**	mg/L			1		08/01/24 09:57	7782-44-7	
Turbidity	**1.85**	NTU			1		08/01/24 09:57		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**46.6**	ug/L	40.0	25.0	1	08/06/24 10:39	08/07/24 18:07	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**192**	mg/L	5.0	5.0	1		08/05/24 08:02		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895728

Sample: BC5 (60) **Lab ID: 35895728006** Collected: 08/01/24 10:50 Received: 08/01/24 12:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.34**	Std. Units			1		08/01/24 10:50		
Field Temperature	**32.4**	deg C			1		08/01/24 10:50		
Field Specific Conductance	**469**	umhos/cm			1		08/01/24 10:50		
Oxygen, Dissolved	**0.20**	mg/L			1		08/01/24 10:50	7782-44-7	
Turbidity	**1.33**	NTU			1		08/01/24 10:50		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**86.6**	ug/L	40.0	25.0	1	08/06/24 10:39	08/07/24 18:11	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**259**	mg/L	5.0	5.0	1		08/05/24 08:02		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895728

Sample: BC5 (20) **Lab ID: 35895728007** Collected: 08/01/24 11:20 Received: 08/01/24 12:56 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		08/01/24 11:20		
Field Temperature	**32.5**	deg C			1		08/01/24 11:20		
Field Specific Conductance	**650**	umhos/cm			1		08/01/24 11:20		
Oxygen, Dissolved	**0.07**	mg/L			1		08/01/24 11:20	7782-44-7	
Turbidity	**10.3**	NTU			1		08/01/24 11:20		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Iron	**507**	ug/L	40.0	25.0	1	08/06/24 10:39	08/07/24 18:15	7439-89-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**306**	mg/L	5.0	5.0	1		08/05/24 08:02		

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ANALYTICAL RESULTS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895728

Sample: EQ Blank 0801242 **Lab ID: 35895728008** Collected: 08/01/24 11:26 Received: 08/01/24 12:56 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	08/06/24 10:39	08/07/24 18:18	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		08/05/24 08:02		

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QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895728

QC Batch: 1031668
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895728001, 35895728002, 35895728003, 35895728004, 35895728005, 35895728006, 35895728007, 35895728008

METHOD BLANK: 5668528 Matrix: Water
Associated Lab Samples: 35895728001, 35895728002, 35895728003, 35895728004, 35895728005, 35895728006, 35895728007, 35895728008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron	ug/L	25.0 U	40.0	25.0	08/07/24 17:26	

LABORATORY CONTROL SAMPLE: 5668529

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2500	2510	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5668530 5668531

Parameter	Units	35895728001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	7630	2500	2500	10200	10100	101	100	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.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
3610 Park Central Blvd N
Pompano Beach, FL 33064
(954)582-4300

QUALITY CONTROL DATA

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895728

QC Batch: 1031407 — Analysis Method: SM 2540C
QC Batch Method: SM 2540C — Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35895728001, 35895728002, 35895728003, 35895728004, 35895728005, 35895728006, 35895728007, 35895728008

METHOD BLANK: 5667480 — Matrix: Water
Associated Lab Samples: 35895728001, 35895728002, 35895728003, 35895728004, 35895728005, 35895728006, 35895728007, 35895728008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	08/05/24 08:02	

LABORATORY CONTROL SAMPLE: 5667481

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

SAMPLE DUPLICATE: 5667482

Parameter	Units	35895882003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	384	377	2	10	

SAMPLE DUPLICATE: 5667483

Parameter	Units	35896007001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3030	2910	4	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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3610 Park Central Blvd N
Pompano Beach, FL 33064
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QUALIFIERS

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895728

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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3610 Park Central Blvd N
Pompano Beach, FL 33064
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FDEP 2nd Semiannual 58th
Pace Project No.: 35895728

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35895728001	**M15 (60)**				
35895728002	**M15 (60) Duplicate**				
35895728003	**M15 (20)**				
35895728004	**M16 (60)**				
35895728005	**M16 (20)**				
35895728006	**BC5 (60)**				
35895728007	**BC5 (20)**				
35895728001	**M15 (60)**	EPA 3010	1031668	EPA 6010	1031764
35895728002	**M15 (60) Duplicate**	EPA 3010	1031668	EPA 6010	1031764
35895728003	**M15 (20)**	EPA 3010	1031668	EPA 6010	1031764
35895728004	**M16 (60)**	EPA 3010	1031668	EPA 6010	1031764
35895728005	**M16 (20)**	EPA 3010	1031668	EPA 6010	1031764
35895728006	**BC5 (60)**	EPA 3010	1031668	EPA 6010	1031764
35895728007	**BC5 (20)**	EPA 3010	1031668	EPA 6010	1031764
35895728008	**EQ Blank 0801242**	EPA 3010	1031668	EPA 6010	1031764
35895728001	**M15 (60)**	SM 2540C	1031407		
35895728002	**M15 (60) Duplicate**	SM 2540C	1031407		
35895728003	**M15 (20)**	SM 2540C	1031407		
35895728004	**M16 (60)**	SM 2540C	1031407		
35895728005	**M16 (20)**	SM 2540C	1031407		
35895728006	**BC5 (60)**	SM 2540C	1031407		
35895728007	**BC5 (20)**	SM 2540C	1031407		
35895728008	**EQ Blank 0801242**	SM 2540C	1031407		

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

WO# : 35895728

35895728

Company Name:	Miami-Dade Department of Solid Waste Management	Contact/Report To:	Mario Porcelli
Street Address:	2525 NW 62, Miami, FL 33147	Phone #:	(305)592-1187
		E-Mail:	mario.porcelli@miamidade.gov
		Cc E-Mail:	
Customer Project #:			
Project Name:	FDEP 2nd Semiannual 58th	Invoice To:	Mario Porcelli
		Invoice E-Mail:	mario.porcelli@miamidade.gov
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	SW0000002055
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Florida

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

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:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

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) HNO_3, (3) H_2SO_4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) $NaHSO_4$, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Identify Container Preservative Type***

Analysis Requested

Lab Use Only

Proj. Mgr: **Rossy Guima**
AcctNum / Client ID:
Table #:
Profile / Template: **4097**
Prelog / Bottle Ord. ID: **EZ 3128813**

* 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 Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	6010 MET ICP: IRON	TDS	Sample Comment	Preservation non-conformance identified for sample.
M15(60)					8/1/24	0758	2			X	X		
M15(60)(DUP)						0758	2			X	X		
M15(20)						0830	2			X	X		
M16(60)						0928	2			X	X		
M16(20)						0957	2			X	X		
BC5(60)						1050	2			X	X		
BC5(20)						1120	2			X	X		
EQ Blank						1126	2			X	X		

Additional Instructions from Pace®:

Collected By:
(Printed Name) Terrence Mord
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Pace	8/1/24 1256	Pace	8/1/24 1256
Pace	8/1/24 1830		8/1/24 2235

Tracking Number:

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

Page: 1 of 1

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/

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: 58th St
SITE LOCATION: 8785 NW 58th St, Doral, FL 33178
WELL NO: MIS(60)
SAMPLE ID: MIS(60)
DATE: 8/1/24

PURGING DATA

WELL DIAMETER (inches): 2"
TUBING DIAMETER (inches): 1/4
WELL SCREEN INTERVAL DEPTH: feet to feet
STATIC DEPTH TO WATER (feet): 10.31
PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)
= (60.0 feet – 10.31 feet) X 0.16 gallons/foot = 7.9504 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.5
FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.5
PURGING INITIATED AT: 0727
PURGING ENDED AT: 0757
TOTAL VOLUME PURGED (gallons): 12.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0747	8.0	8.0	0.40	10.32	6.59	28.2	822	0.09/1.2%	2.16	clear	slight
0752	2.0	10.0	1	1	6.60	28.1	828	0.08/1.0%	1.99	1	1
0757	2.0	12.0	1	1	6.61	28.1	836	0.07/0.9%	1.71	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: Terrence Mond/Pace
SAMPLER(S) SIGNATURE(S):
SAMPLING INITIATED AT: 0758
SAMPLING ENDED AT: 0802
PUMP OR TUBING DEPTH IN WELL (feet): 12.5
TUBING MATERIAL CODE: HDPE
FIELD-FILTERED: Y (N) Filtration Equipment Type:
FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N replaced)
DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
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)
MIS(60)	2	PE	250mL	HNO3	0	<2	6010 MET ICP 1 DAY	ESP	300
1	2	PE	250mL	Cool	1	6.61	TDS	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** = 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: 58th St	SITE LOCATION: 8785 NW 58th St, Doral, FL 33178
WELL NO: MIS(20)	SAMPLE ID: MIS(20) DATE: 8/1/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 9.93	PURGE PUMP TYPE OR BAILER: PP

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

= (20.0 feet − 9.93 feet) X 0.16 gallons/foot = 1.6112 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0	PURGING INITIATED AT: 0814	PURGING ENDED AT: 0829	TOTAL VOLUME PURGED (gallons): 3.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0823	1.8	1.8	0.20	9.93	6.88	29.0	945	0.09/1.2%	2.05	clear	mild
0826	0.6	2.4	〃	〃	6.88	29.0	943	0.07/1.0%	2.26	〃	〃
0829	0.6	3.0	〃	〃	6.87	29.0	941	0.06/0.8%	2.03	〃	〃

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Terrence Mondpale	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0830	SAMPLING ENDED AT: 0832
PUMP OR TUBING DEPTH IN WELL (feet): 12.0	TUBING MATERIAL CODE: HDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MIS(20)	1	PE	250mL	HNO3	0	<2	6010 METALS IRON	APP	300
〃	1	PE	250mL	Cool	〃	6.87	TDS	〃	〃

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: 58th St	SITE LOCATION: 8785 NW 58th St, Doral, FL 33178	
WELL NO: MW6(60)	SAMPLE ID: MW6(60)	DATE: 8/1/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 14.60	PURGE PUMP TYPE OR BAILER: ESP

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

= (60.0 feet – 14.60 feet) X 0.16 gallons/foot = 7.264 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 16.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 16.5	PURGING INITIATED AT: 0858	PURGING ENDED AT: 0927	TOTAL VOLUME PURGED (gallons): 11.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0917	7.6	7.6	0.40	14.61	6.90	27.3	1667	0.04/0.5%	1.18	yellow	Slight
0922	2.0	9.6	"	"	6.90	27.4	1644	0.03/0.4%	1.21	"	"
0927	2.0	11.6	"	"	6.90	27.5	1663	0.02/0.3%	1.19	"	"

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: Terrence Mond/pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0928	SAMPLING ENDED AT: 0930
PUMP OR TUBING DEPTH IN WELL (feet): 16.5	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
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)
MW6(60)	1	PE	250mL	HNO3	0	<2	6010 MET ICP IRON	ESP	300
"	1	PE	250mL	Cool	"	6.90	TDS	"	"

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: 58th St | SITE LOCATION: 8785 NW 58th St, Doral, FL 33178

WELL NO: MW6(20) | SAMPLE ID: MW6(20) | DATE: 8/1/24

PURGING DATA

WELL DIAMETER (inches): 2" | TUBING DIAMETER (inches): 1/4 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 13.92 | PURGE PUMP TYPE OR BAILER: PP

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

= (20.0 feet − 13.92 feet) X 0.16 gallons/foot = 0.9728 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 16.0 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 16.0 | PURGING INITIATED AT: 0940 | PURGING ENDED AT: 0956 | TOTAL VOLUME PURGED (gallons): 1.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0950	1.0	1.0	0.10	13.92	7.76	28.3	357	0.03/0.3%	1.88	yellow	strong
0953	0.3	1.3	1	1	7.77	28.2	347	0.02/0.3%	2.12	1	1
0956	0.3	1.6	1	1	7.78	28.1	335	0.02/0.2%	1.85	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: Terrence Mond/pace | SAMPLER(S) SIGNATURE(S): | SAMPLING INITIATED AT: 0957 | SAMPLING ENDED AT: 0959

PUMP OR TUBING DEPTH IN WELL (feet): 16.0 | TUBING MATERIAL CODE: HDPE/S | FIELD-FILTERED: Y (N) Filtration Equipment Type: | FILTER SIZE: ____ µm

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

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW6(20)	1	PE	250mL	HNO3	0	<2	6010 DIET ICP 200.7	APP	300
1	1	PE	250mL	COOL	1	7.78	TDS	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** = 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: 58th St	SITE LOCATION: 8785 NW 58th St, Doral, FL 33178	
WELL NO: BCS(60)	SAMPLE ID: BCS(60)	DATE: 8/1/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.88	PURGE PUMP TYPE OR BAILER: ESP

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

= (60.0 feet − 4.88 feet) X 0.16 gallons/foot = 8.8192 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.0	PURGING INITIATED AT: 1014	PURGING ENDED AT: 1049	TOTAL VOLUME PURGED (gallons): 14.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L or %saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1037	9.2	9.2	0.40	4.89	7.35	32.2	465	0.22/3.0%	1.41	Clear	Slight
1043	2.4	11.6	1	1	7.34	32.3	467	0.21/2.9%	1.76	1	1
1049	2.4	14.0	1	1	7.34	32.4	469	0.20/2.8%	1.33	1	1

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Terrence Mond/pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1050	SAMPLING ENDED AT: 1052
PUMP OR TUBING DEPTH IN WELL (feet): 7.0	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
BCS(60)	1	PE	250mL	HNO3	0	<2	6010 ICP Iron	ESP	300
1	1	PE	250mL	Cool	1	7.34	TDS	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** = 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: 58th St	SITE LOCATION: 8785 NW 58th St, Doral, FL 33178
WELL NO: BC5(20)	SAMPLE ID: BC5(20) DATE: 8/1/24

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.23	PURGE PUMP TYPE OR BAILER: PP

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

= (20.0 feet – 5.23 feet) X 0.16 gallons/foot = 2.3632 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.5	PURGING INITIATED AT: 1101	PURGING ENDED AT: 1119	TOTAL VOLUME PURGED (gallons): 3.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1113	2.4	2.4	0.20	5.23	7.21	32.3	647	0.08/1.1%	11.9	yellow	strong
1116	0.6	3.0	"	"	7.20	32.4	648	0.07/1.0%	10.6	"	"
1119	0.6	3.6	"	"	7.20	32.5	650	0.07/1.0%	10.3	"	"

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: Terrance Mond/Pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1120	SAMPLING ENDED AT: 1122
PUMP OR TUBING DEPTH IN WELL (feet): 7.5	TUBING MATERIAL CODE: HDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
BC5(20)	1	PE	250mL	HNO3	0	<2	6010 MET ICP ZRDN	APP	300
1	1	PE	250mL	COOL	1	7.20	TDS	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** = 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: 58th St	SITE LOCATION: 8785 NW 58th St, Doral, FL 33178	
WELL NO: EQ Blank	SAMPLE ID: EQ Blank	DATE: 8/1/24

PURGING DATA

WELL DIAMETER (inches): N/A	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): N/A	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)
= (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)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 1.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 1.0	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 (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)
EQ 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: Terrence Mond/pace	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1126	SAMPLING ENDED AT: 1128
PUMP OR TUBING DEPTH IN WELL (feet): 1.0	TUBING MATERIAL CODE: HDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
EQ Blank	1	PE	250mL	HNO3	0	<2	6010 MET ICP IRON	APP	300
1	1	PE	250mL	C001	1	N/A	TDS	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** = 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)

Sample Condition Upon Receipt Form (SCUR)

WO# : 35895728
PM: RYG Due Date: 08/09/24
CLIENT: 36-MDSWM

Project #
Project Manager:
Client:

Date and Initials of person:
Examining contents: _____
Verifying pH: _____

Thermometer Used: T-398 Date: 08/01/2024 Time: 1256 Initials: GT

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

Cooler #1 Temp.°C	3.8 (Visual)	-0.2 (Correction Factor)	3.6 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	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**
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☐Yes	☐No	☑N/A	**Preservative:** _____ **Date:** _____ **Lot / Trace:** _____ **Time:** _____ **Amount added (mL):** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☐No	☑N/A	
Trip Blank Present:	☐Yes	☑No	☐N/A	

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

Labeled by: _____ **Reviewed by:** _____ **Delivered by:** _____

Pace

Sample Condition Upon Receipt

WO# : 35895728

PM: RYG **Due Date: 08/09/24**

CLIENT: 36-MDSWM

Project #

Project Manager:

Client:

Date and Initials of person: AH 8.2.24

Examining contents: _____

Verifying pH: AH

Thermometer Used: T-427 Date: 8/1/24 Time: 2250 Initials: MRG

State of Origin: _____

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

Cooler #1 Temp.°C 1.3	(Visual) 0	(Correction Factor) 1.3	(Actual)	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C _____	(Visual) _____	(Correction Factor) _____	(Actual)	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C _____	(Visual) _____	(Correction Factor) _____	(Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C _____	(Visual) _____	(Correction Factor) _____	(Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C _____	(Visual) _____	(Correction Factor) _____	(Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C _____	(Visual) _____	(Correction Factor) _____	(Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C _____	(Visual) _____	(Correction Factor) _____	(Actual)	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**
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑Yes	☐No	☐N/A	**Preservative:** _____ **Date:** _____ **Lot / Trace:** _____ **Time:** _____ **Amount added (mL):** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☐No	☑N/A	
Trip Blank Present:	☐Yes	☐No	☑N/A	

Comments / Resolutions (use back for additional comments):

Labeled by: MRG **Reviewed by:** TSI **Delivered by:** FedEx