2020 Second Semiannual Water Quality Monitoring Report

Tomoka Farms Road Landfill, Volusia County

Facility SW WACS No. 27540

March 2021

Submitted To:

Florida Department of Environmental Protection
Central District
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1.0 Introduction

HDR Engineering is submitting the 2020 Second Semiannual Water Quality Monitoring Report for the Tomoka Farms Road Landfill (TFRL) (SW WACS No. 27540) located in Port Orange, on behalf of Volusia County, Florida. This report was prepared in accordance with the North Cell, Class I Landfill permit (Permit No. 0078767-043-SO-MM) issued June 9, 2020 and the Class III Facility Permit (No. 0078767-042-SO-T3) issued January 2, 2020. The semiannual water quality monitoring program includes the Tomoka Farms Road Landfill Class I, North Cell Phase I (open), and South Class I Cell (closed), and the Class III Cell (Permit No. 0078767-042-SO-T3). Semiannual water quality monitoring is to be conducted at the site during May and November each year according to the Monitoring Plan Implementation Schedule (MPIS); and the monitoring report is due to Department of Environmental Protection (FDEP) within 60 days of the completion of lab analysis. Due to excessive rainfall in the fall of 2020, field technicians were unable to access many sampling points (surface water and groundwater). The FDEP issued an extension for the 2020 Second Semiannual event until sampling points were accessible, and email correspondence documenting this extension is provided under Attachment 3. The data for this submission was eventually collected from January 4 – January 15, 2020. Fifty groundwater samples and seven surface water samples were monitored for the parameters as required by the approved MPIS for the facility. The wells monitored are based on Attachment A for the Class III Cell Modified Permit (Permit No. 0078767-042-SO-T3). Semiannual groundwater samples and semiannual surface water samples were analyzed for the parameters listed in Condition Numbers 7 and 12 of the MPIS, respectively.

A summary and discussion of the potentiometric elevations across the site, the groundwater and surface water analytical results, and the conclusions based on the January 2021 sampling event are included below.

2.0 Field Sampling and Laboratory Analysis

The groundwater and surface water sampling activities for this semiannual event were conducted from January 4 through January 15, 2021 by Pace Analytical Services, Inc., (Pace) under contract with Volusia County (County). A site map showing the monitoring locations is included as Figure 1. Field sampling procedures were performed in accordance with the Quality Assurance Rule, Chapter 62-160 of the Florida Administrative Code (FAC). All field work, sampling methodologies, data evaluation, data Quality Assurance/Quality Control (QA/QC), and laboratory analyses were conducted in accordance with the site permit and applicable FDEP Standard Operating Procedures (SOPs). A description of the field and laboratory activities is provided in the following paragraphs.

2.1 Groundwater and Surface Water Sampling

The depth to groundwater was measured to the nearest 0.01 ft referenced to the top of the PVC casing prior to purging each well. The water table elevations were calculated by subtracting the depth to water measurement from the reference datum. The groundwater elevation data are

provided in Table 1. The surface water levels (staff gage readings) for SW-4, SW-5, and SW-11 were measured, and the calculated surface water elevations are provided in Table 2. The SW-1 staff gauge has been removed by FDOT, and surface water levels were below the staff gauge at SW-2 and SW-11. Groundwater samples for those wells with WACS Report Types of SEMGW and ANNGW were collected during this monitoring event (Table 1). Each monitoring well was purged and sampled using a peristaltic pump after field measured parameters (pH, conductivity, temperature, dissolved oxygen, and turbidity) reached stability in accordance with FDEP SOPs. Field parameters were recorded in field-sampling logs (Attachment 1) during purging and at the time of sampling. The groundwater wells sampled during this semiannual event are listed in Tables 4 through 6 (23 wells in Zone 1-2, 22 wells in Zone 3-4, 2 wells in Zone 6, and 3 wells in the Floridan aquifer).

Surface water samples were collected at seven surface water locations (Table 2) during the sampling event. The collected samples were placed on ice and shipped to the PACE laboratory undersigned chains of custody documentation. Trip blanks and equipment blanks were also included in the laboratory analyses.

2.2 Laboratory Analysis

The parameters listed in the MPIS for the facility for groundwater and surface water samples were analyzed during this event. Table 3 lists the parameters and the analytical methods. The groundwater analytical results were evaluated based on the primary drinking water standards (PDWS) and secondary drinking water standards (SDWS) listed in Chapter 62-550, FAC and the Groundwater Cleanup Target Levels (GCTL) listed in Chapter 62-777, FAC. Surface water samples were evaluated based on the surface water criteria listed in Chapter 62-302.530, F.A.C.

3.0 Groundwater and Surface Water Elevations

The groundwater water elevations, calculated from January 4, 2021 water level measurements, are shown in Tables 1. The groundwater potentiometric maps for aquifer Zones 1-2, 3-4, 6, and the Florida aquifer are included in Figures 2 through 5, respectively. The groundwater potentiometric maps indicate generally northeasterly groundwater flow directions for all aquifer zones across the TFRL. Groundwater flow across the site during this event correlates well with historical events.

Surface water elevations are shown in Table 2. The surface water levels are comparable to the groundwater levels at nearby wells for Zone 1-2 (Figure 2) except for SW-12. The SW-12 water level elevation (18.00 ft) was much lower than groundwater elevations and other surface water elevations. A request to check conditions of the staff gage will be sent to the field technicians before the next sampling event.

4.0 Laboratory Results

4.1 Groundwater Results

Groundwater parameters that reported levels above the PDWS, SDWS, and GCTL standards during this sampling event include ammonia, arsenic, benzene, iron, total dissolved solids (TDS), and pH. Summaries of the groundwater parameters detected above their respective detection limits are included in Table 4 (Surficial Zone 1-2), Table 5 (Surficial Zones 3-4), and Table 6 (Zone 6 and Floridan aquifer). The full laboratory analytical results and field sampling logs provided by Pace are included in Attachment 1. The parameters that exceeded the respective thresholds are detailed below:

4.1.1 Ammonia-N

Ammonia-N was detected above the GCTL of 2.8 milligrams per liter (mg/L) in six compliance wells – Zone 1-2 (B74 at 3.4 mg/L and B75 at 4.6 mg/L), Zone 4 (B1-B at 24.3 mg/L, B85 at 24 mg/L, and MO5-B at 5.8 mg/L), and Zone 6 (B85-6 at 6.4 mg/L). Ammonia did not exceed the GCTL in the Floridan aquifer. These detections are consistent with the historic results at these wells. The likely source of groundwater ammonia-N is from microbial degradation of organics including plant and animal tissues and discarded materials (as documented in the HDR response letter to DEP dated October 9, 2015).

4.1.2 Arsenic

Arsenic was detected above the PDWS of 10 µg/L in one Zone 1-2 groundwater wells B39 (26.7 µg/L). Arsenic has been historically detected above the PDWS in the groundwater at the landfill. This detection is consistent with past results. Arsenic was not detected above the PDWS in any the other wells.

4.1.3 Benzene

Benzene was detected above the PDWS of 1.0 µg/L in one Zone 1-2 compliance well (B45-2 at 5.4 µg/L), two Zone 4 compliance wells (B36 at 1.9 µg/L and B37-1 at 6.7 µg/L), and one Zone 6 compliance monitoring well (B85-6 at 1.1 µg/L). These detections are historically consistent. Benzene was not detected above the PDWS in the other wells.

4.1.4 Iron

Iron was detected above the SDWS of 300 µg/L in all groundwater monitoring wells in surficial Zones 1-2 wells except B72, all wells in Zones 3-6, and FA-1B and FA-2C in the Florida aquifer. These detections are consistent with the historical results. Historical groundwater quality data indicate elevated iron concentrations in wells are typical groundwater conditions at the TFRL.

4.1.5 pH

The pH levels were below the SDWS pH lower limit of 6.5 S.U. in fifteen of the twenty-three wells sampled in Zone 1-2, in nine Zone 3-4 wells, and in Zone 6 well B85-6. One Zone 4 well (B73-1) reported a ph level above the upper limit of 8.5 S.U. The pH values were within the SDWS range for pH in the Floridan aquifer. Historically, field pH values in the surficial aquifer at the TFRL are below the SDWS lower limit.

4.1.6 Chloride

Chloride was not detected above the SDWS in surficial aquifer zones 1-2, 3-4, 6, or in the Floridan aquifer.

4.1.7 Sodium

Sodium was not detected above the PDWS in surficial aquifer Zones 1-2, 3-4, 6, or in the Floridan aquifer.

4.1.8 TDS

TDS concentrations exceeding the SDWS, of 500 mg/L, were detected in four Zone 1-2 wells (B34-2, B41-2, B43-2, and B75), one Zone 3-4 wells (B85), and one Zone 6 well (B85-6). TDS concentrations did not exceed the SDWS in the Floridan aquifer. TDS has historically exceeded the SDWS thresholds at the TFRL.

4.1.9 Vanadium

Vanadium has frequently been detected above the GCTL of 49 µg/L in Zone 1-2 well B39. During this event, vanadium was detected below the GCTL in B39 at 48.3 µg/L. Vanadium did not exceed standards in other surficial aquifer zones or the Floridan aquifer.

4.2 Surface Water Quality Results

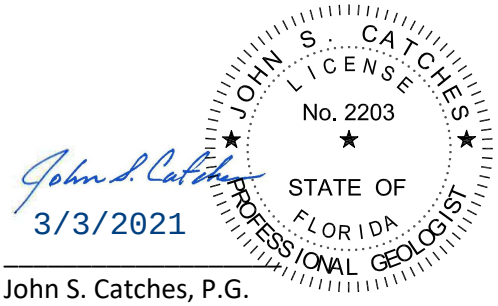
Surface water quality data were collected on January 5, 2021, by Pace from seven surface water sampling locations: SW-1, SW-2, SW-3, SW-4, SW-5, SW-11, and SW-12. The detected surface water results are provided in Table 7. The pH was detected within the Class III freshwater range (6.0 – 8.5 S.U.) in all surface water samples. Iron was detected above the Class III Standard of 1000 µg/L in the surface water sample collected from SW-5 at 1,230 µg/L. Turbidity did not exceed the above-ground standard of 29 NTU. The fecal coliforms counts did not exceed the monthly average limit in any surface water location. These detections are consistent with historical results. No other parameters (including unionized ammonia-N) were detected above any surface water standards.

5.0 Conclusions and Recommendations

The 2020 second semiannual sampling event shows that the groundwater flow direction and the groundwater and surface water chemistry are historically typical. Groundwater predominantly flows northeasterly in the surficial and Floridan aquifers. Groundwater parameters were compared to drinking water standards (PDWS, SDWS, GCTL) and surface water parameters were compared to Class III Surface Water Standards. Parameters that exceeded groundwater standards include ammonia, arsenic, benzene, iron, TDS, and pH. Iron was the only parameter that exceeded the surface water standards. Iron was detected above the surface water standard at one sampling location. Ammonia-N was detected in the surface water above the detection limit at 2.0 and 5.7 mg/L, but unionized ammonia-N was not detected. No actions are recommended regarding surface water ammonia-N detections. The current groundwater and surface water monitoring networks are intact, and it is recommended to continue groundwater and surface water monitoring in accordance with the MPIS in the current permit.

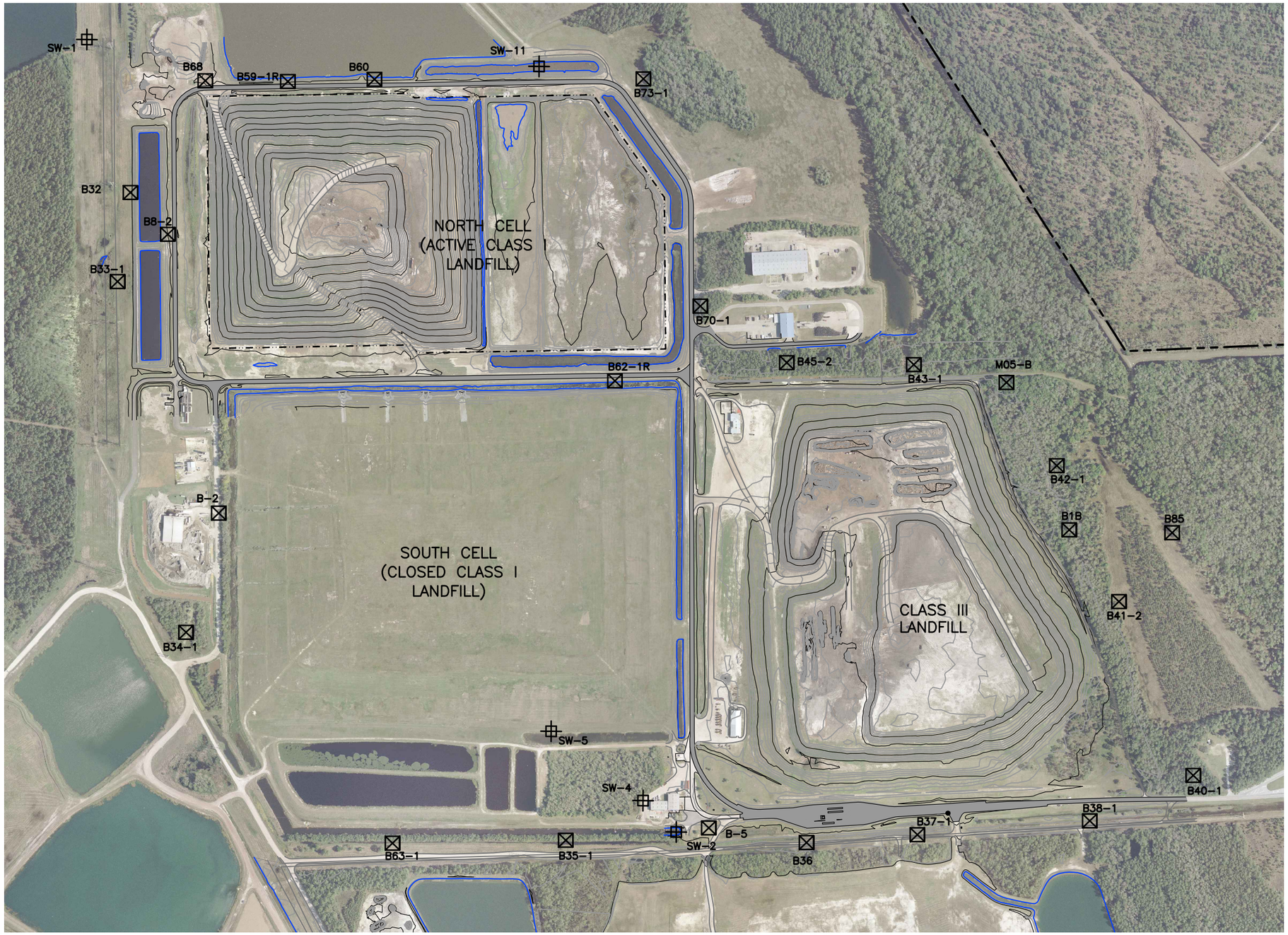
6.0 Professional Certification

This document has been prepared under my direction in general accordance with Chapter 62-701, Florida Solid Waste Management Facility Regulations. The information contained within this report is to the best of my knowledge and belief, true, accurate, and complete.



John S. Catches, P.G.
HDR Engineering, Inc.
FL License No. 2203

Figures



N

SCALE IN FEET

−600 0 600 1200

LEGEND

B37−1	MONITORING WELL
SW−1	SURFACE WATER SAMPLING LOCATION
	FACILITY BOUNDARY
	WASTE UNIT BOUNDARY

HDR

PROJECT TITLE TOMOKA FARMS ROAD LANDFILL

SHEET TITLE
SITE MAP

PROJECT NUMBER
10223169

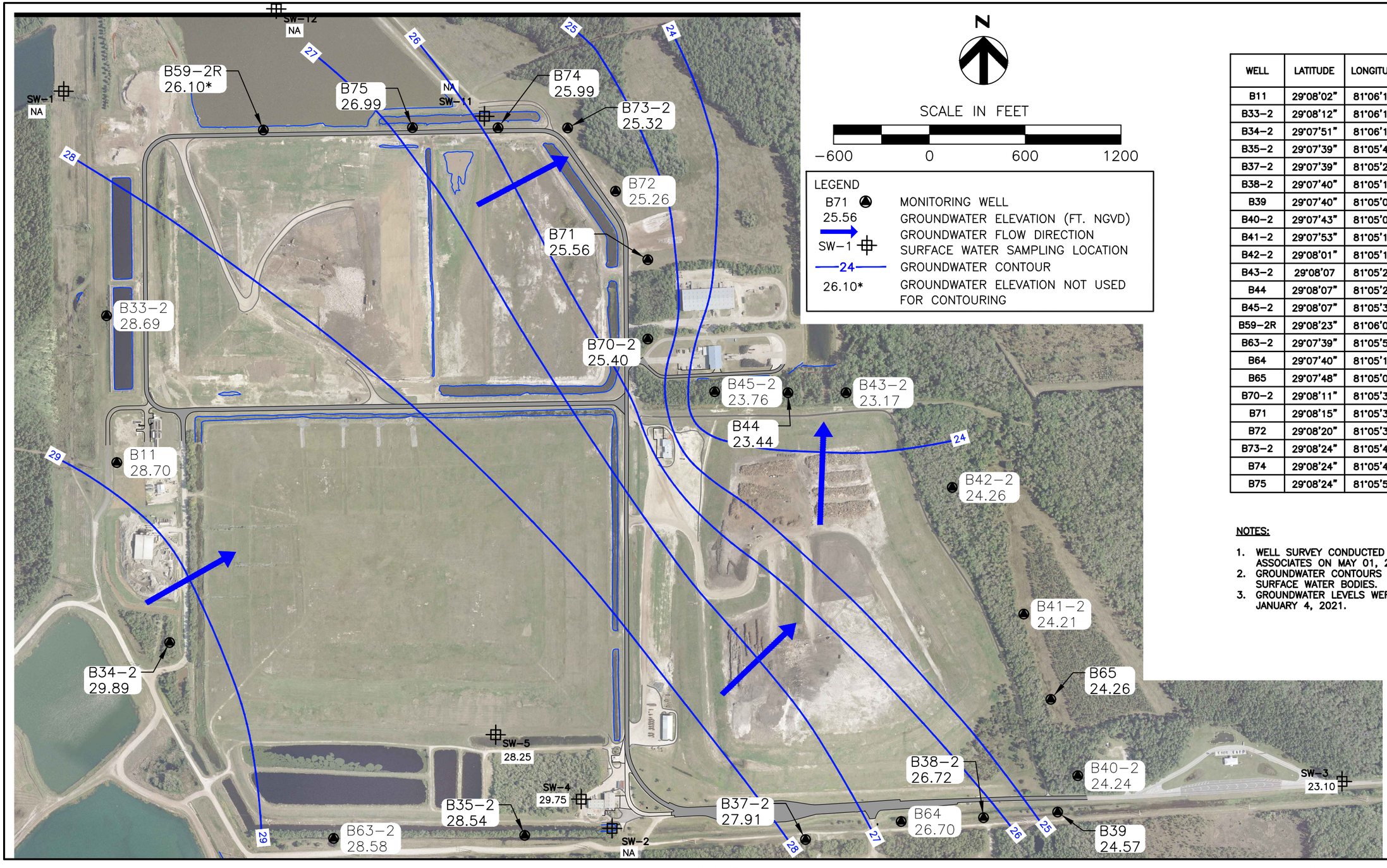
PROJECT MANAGER
J. CATCHES

DATE
01/04/2021

REFERENCE SHEET

REFERENCE DOCUMENT

EXHIBIT NUMBER
FIGURE 1



WELL	LATITUDE	LONGITUDE	TOP OF CASING ELEVATION (NGVD)
B11	29°08'02"	81°06'14"	32.95
B33-2	29°08'12"	81°06'14"	32.97
B34-2	29°07'51"	81°06'11"	31.20
B35-2	29°07'39"	81°05'46"	29.34
B37-2	29°07'39"	81°05'25"	28.76
B38-2	29°07'40"	81°05'13"	28.12
B39	29°07'40"	81°05'08"	29.09
B40-2	29°07'43"	81°05'07"	27.67
B41-2	29°07'53"	81°05'11"	29.27
B42-2	29°08'01"	81°05'16"	28.47
B43-2	29°08'07	81°05'23"	28.23
B44	29°08'07"	81°05'27"	30.03
B45-2	29°08'07"	81°05'32"	30.35
B59-2R	29°08'23"	81°06'05"	33.12
B63-2	29°07'39"	81°05'59"	30.38
B64	29°07'40"	81°05'19"	28.22
B65	29°07'48"	81°05'09"	27.97
B70-2	29°08'11"	81°05'37"	31.51
B71	29°08'15"	81°05'37"	30.75
B72	29°08'20"	81°05'39"	28.93
B73-2	29°08'24"	81°05'42"	28.95
B74	29°08'24"	81°05'47"	33.78
B75	29°08'24"	81°05'53"	31.62

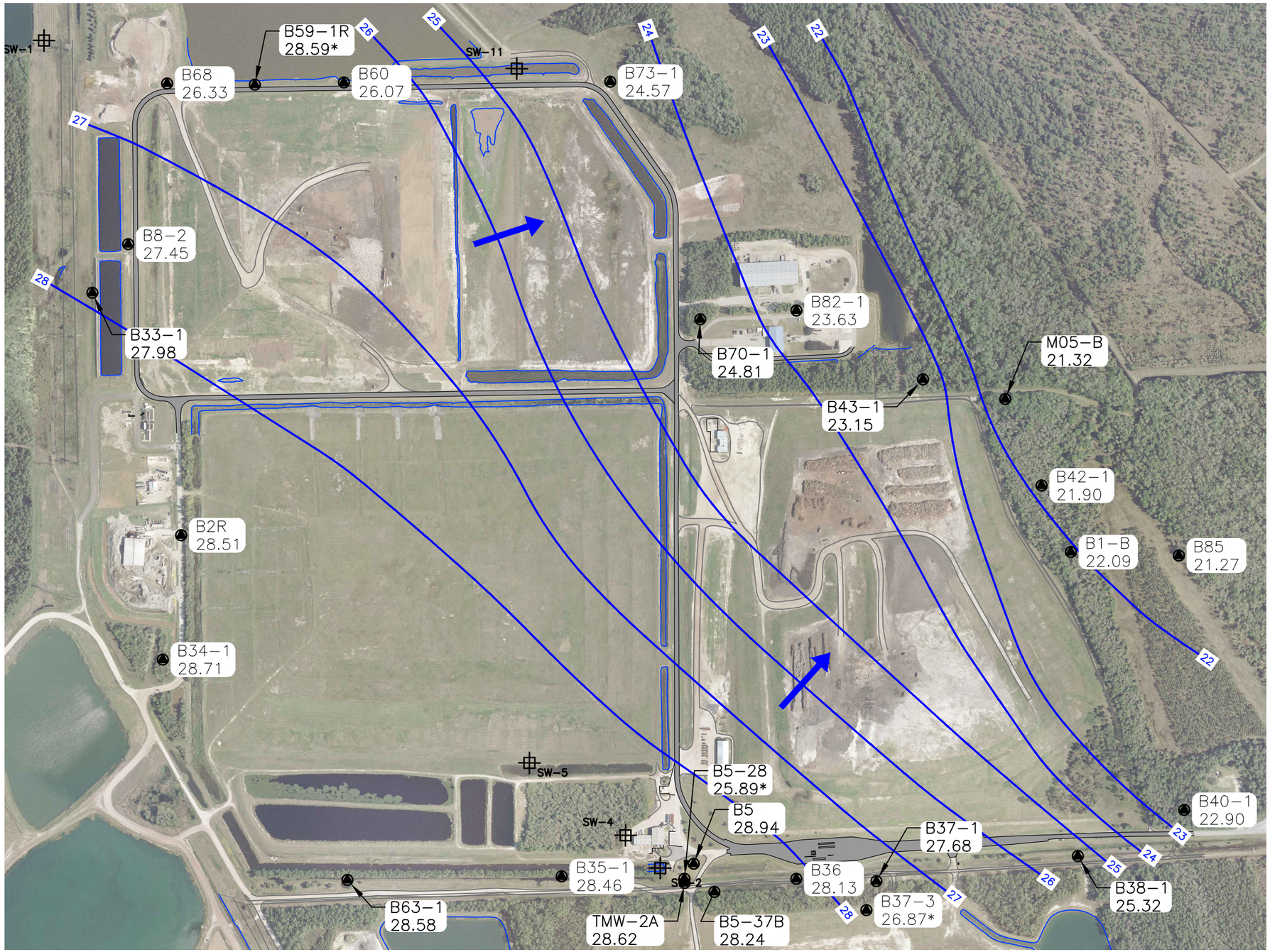
NOTES:

1. WELL SURVEY CONDUCTED BY SLIGER & ASSOCIATES ON MAY 01, 2009.
2. GROUNDWATER CONTOURS DO NOT INCLUDE THE SURFACE WATER BODIES.
3. GROUNDWATER LEVELS WERE MEASURED JANUARY 4, 2021.

PROJECT TITLE: TOMOKA FARMS ROAD LANDFILL

SHEET TITLE: ZONES 1 & 2 GROUNDWATER POTENTIOMETRIC MAP
2ND 2020 SEMIANNUAL SAMPLING EVENT

PROJECT NUMBER: 10223169
PROJECT MANAGER: J. CATCHES
DATE: 01/04/2021
REFERENCE SHEET:
REFERENCE DOCUMENT:
EXHIBIT NUMBER: FIGURE 2



N

SCALE IN FEET

−600 0 600 1200

LEGEND

B70−1 ●	MONITORING WELL
24.81	GROUNDWATER ELEVATION (FT. NGVD)
→	GROUNDWATER FLOW DIRECTION
SW−1 ⌖	SURFACE WATER SAMPLING LOCATION
—27—	GROUNDWATER CONTOUR
26.87*	GROUNDWATER ELEVATION NOT USED FOR CONTOURING

WELL	LATITUDE	LONGITUDE	TOP OF CASING ELEVATION (NGVD)
B1−B	29°07'57"	81°05'14"	28.78
B2	29°07'58"	81°06'09"	34.53
B5	29°07'40"	81°05'38"	32.59
B8−2	29°08'14"	81°06'11"	33.37
B33−1	29°08'12"	81°06'14"	34.69
B34−1	29°07'51"	81°06'11"	31.19
B35−1	29°07'39"	81°05'46"	29.26
B36	29°07'39"	81°05'31"	29.33
B37−1	29°07'39"	81°05'25"	28.63
B38−1	29°07'40"	81°05'13"	28.24
B40−1	29°07'43"	81°05'07"	27.77
B42−1	29°08'01"	81°05'16"	28.30
B43−1	29°08'07"	81°05'23"	28.09
B59−1R	29°08'23"	81°06'05"	32.44
B60	29°08'24"	81°05'59"	32.95
B63−1	29°07'39"	81°05'59"	30.03
B68	29°08'23"	81°06'10"	32.98
B70−1	29°08'11"	81°05'37"	31.03
B73−1	29°08'24"	81°05'42"	29.20
M05−B	29°08'06"	81°05'18"	29.80
B82−1	29°08'11"	81°05'30"	30.78
B85	29°07'57"	81°05'06"	27.07
B5−28	29°07'40"	81°05'37"	31.07
B5−37B	29°07'39"	81°05'35"	29.94
B37−3	29°07'38"	81°05'25"	31.17
TMW−2A	29°07'39.3"	81°05'36.9"	31.99

NOTES:

1. WELL SURVEY CONDUCTED BY SLIGER & ASSOCIATES ON MAY 01, 2009.
2. GROUNDWATER LEVELS WERE MEASURED JANUARY 4, 2021.

HDR

PROJECT TITLE TOMOKA FARMS ROAD LANDFILL

SHEET TITLE
ZONE 4 GROUNDWATER MONITORING WELLS
AND SELECT ANNUAL ASSESSMENT AND REMEDIATION WELLS

PROJECT NUMBER 10223169

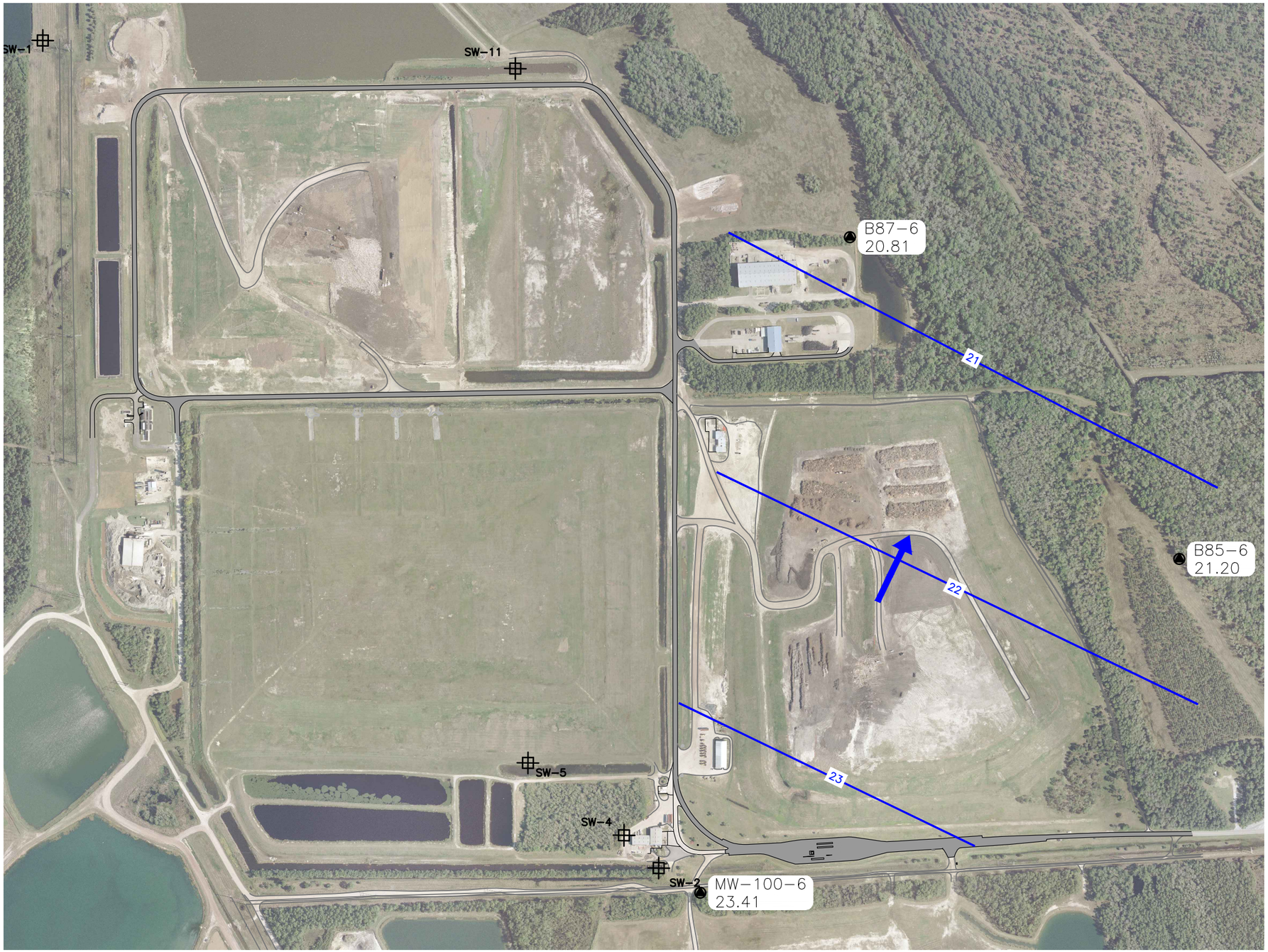
PROJECT MANAGER J. CATCHES

DATE 01/04/2021

REFERENCE SHEET

REFERENCE DOCUMENT

EXHIBIT NUMBER FIGURE 3



N

SCALE IN FEET

−600 0 600 1200

LEGEND

B87-6 ▲	MONITORING WELL
20.81	GROUNDWATER ELEVATION (FT. NGVD)
→	GROUNDWATER FLOW DIRECTION
SW-1 ⌖	SURFACE WATER SAMPLING LOCATION
—21—	GROUNDWATER CONTOUR

WELL	LATITUDE	LONGITUDE	TOP OF CASING ELEVATION (NGVD)
B85-6	29°07'57"	81°05'05"	27.02
B87-6	29°08'15"	81°05'26"	29.37
MW100-6	29°07'39"	81°05'36"	31.71

NOTES:

1. WELL SURVEY CONDUCTED BY SLIGER & ASSOCIATES ON MAY 01, 2009.
2. GROUNDWATER LEVELS WERE MEASURED JANUARY4, 2021

PROJECT TITLE TOMOKA FARMS ROAD LANDFILL

SHEET TITLE
ZONE 6 GROUNDWATER MONITORING WELLS AND SELECT ANNUAL ASSESSMENT WELL

PROJECT NUMBER 10223169

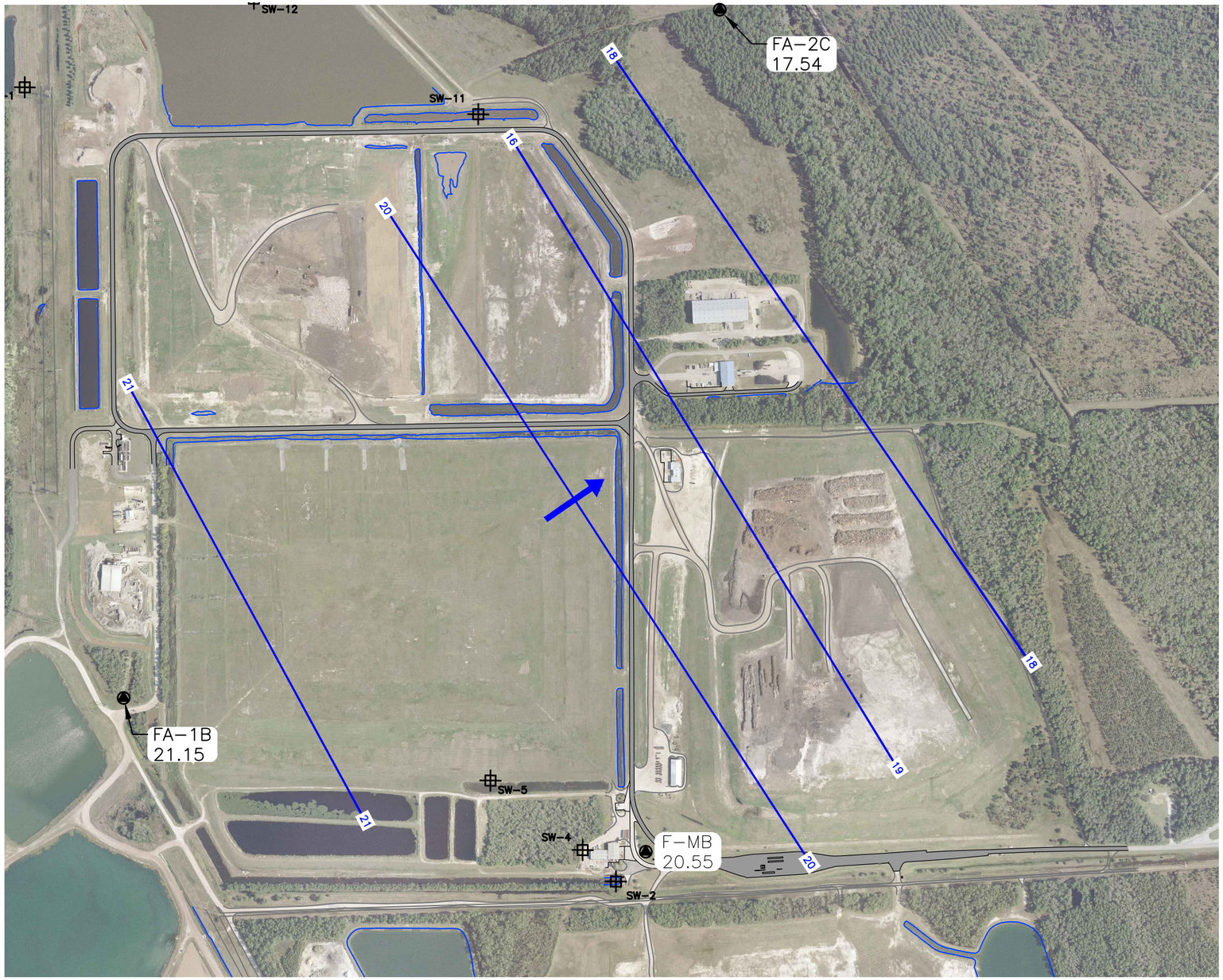
PROJECT MANAGER J. CATCHES

DATE 01/04/2021

REFERENCE SHEET

REFERENCE DOCUMENT

EXHIBIT NUMBER FIGURE 4



N

SCALE IN FEET

−700 0 700 1400

LEGEND

FA−2C	MONITORING WELL
17.54	GROUNDWATER ELEVATION (FT. NGVD)
	GROUNDWATER FLOW DIRECTION
SW−1	SURFACE WATER SAMPLING LOCATION
18	GROUNDWATER CONTOUR

WELL	LATITUDE	LONGITUDE	TOP OF CASING ELEVATION (NGVD)
FA−1B	29°07'51"	81°06'11"	32.22
FA−2C	29°08'31"	81°05'32"	28.10
F−MB	29°07'42"	81°05'36"	33.88

NOTES:

1. WELL SURVEY CONDUCTED BY SLIGER & ASSOCIATES ON MAY 01, 2009.
2. GROUNDWATER LEVELS WERE MEASURED JANUARY 4, 2021.

PROJECT TITLE TOMOKA FARMS ROAD LANDFILL

SHEET TITLE
FLORIDAN AQUIFER GROUNDWATER POTENTIOMETRIC MAP
2ND 2020 SEMIANNUAL SAMPLING EVENT

PROJECT NUMBER 10223169

PROJECT MANAGER J. CATCHES

DATE 01/04/2021

REFERENCE SHEET

REFERENCE DOCUMENT

EXHIBIT NUMBER FIGURE 5

Tables

Table 1
Groundwater Elevation Data
2020 Second Semiannual Compliance Monitoring Event
Tomoka Farms Landfill
Monitoring Date: January 4, 2021

Well ID	Aquifer Zone	WACS Report Type	Top of Casing (feet, NGVD)	Depth to Water (ft below TOC)	Groundwater Elevation (ft, NGVD)
Zone 1 & 2					
B11	1-2	SEMGW	32.95	4.25	28.70
B33-2	1-2	SEMGW	32.97	4.28	28.69
B34-2	1-2	SEMGW	31.20	1.31	29.89
B35-2	1-2	SEMGW	29.34	0.80	28.54
B37-2	1-2	SEMGW	28.76	0.85	27.91
B38-2	1-2	SEMGW	28.12	1.40	26.72
B-39	1-2	SEMGW	29.09	4.52	24.57
B40-2	1-2	SEMGW	27.67	3.43	24.24
B41-2	1-2	SEMGW	29.27	5.06	24.21
B42-2	1-2	SEMGW	28.47	4.21	24.26
B43-2	1-2	SEMGW	28.23	5.06	23.17
B44	1-2	SEMGW	30.03	6.59	23.44
B45-2	1-2	SEMGW	30.35	6.59	23.76
B59-2R	1-2	SEMGW	33.12	7.02	26.10
B63-2	1-2	SEMGW	30.38	1.80	28.58
B64	1-2	SEMGW	28.22	1.52	26.70
B65	1-2	SEMGW	27.97	3.71	24.26
B70-2	1-2	SEMGW	31.51	6.11	25.40
B71	1-2	SEMGW	30.75	5.19	25.56
B72	1-2	SEMGW	28.93	3.67	25.26
B73-2	1-2	SEMGW	28.95	3.63	25.32
B74	1-2	SEMGW	33.78	7.79	25.99
B75	1-2	SEMGW	31.62	4.63	26.99

Well ID	Aquifer Zone	WACS Report Type	Top of Casing (feet, NGVD)	Depth to Water (ft below TOC)	Groundwater Elevation (ft, NGVD)
Zone 4					
B-1B	4	ANNGW	28.78	6.69	22.09
B-2R	4	ANNGW	34.25	5.74	28.51
B-5	4	ANNGW	32.59	3.65	28.94
B8-2	4	ANNGW	33.37	5.92	27.45
B33-1	4	ANNGW	34.69	6.71	27.98
B34-1	4	ANNGW	31.19	2.48	28.71
B35-1	4	ANNGW	29.26	0.80	28.46
B-36	4	ANNGW	29.33	1.20	28.13
B37-1	4	ANNGW	28.63	0.95	27.68
B38-1	4	ANNGW	28.24	2.92	25.32
B40-1	4	ANNGW	27.77	4.87	22.90
B42-1	4	ANNGW	28.30	6.40	21.90
B43-1	4	SEMGW	28.09	4.94	23.15
B59-1R	4	ANNGW	32.44	6.55	25.89
B60	4	ANNGW	32.95	6.88	26.07
B63-1	4	ANNGW	30.03	1.45	28.58
B68	4	ANNGW	32.98	6.65	26.33
B70-1	4	ANNGW	31.03	6.22	24.81
B73-1	4	ANNGW	29.20	4.63	24.57
MO5-B	4	ANNGW	29.80	8.48	21.32
B82-1	4	SEMGW	30.78	7.15	23.63
B85	4	SEMGW	27.07	5.80	21.27
B5-28	4	ASSMNT	31.07	2.35	28.72
B5-37B	4	ASSMNT	29.94	1.70	28.24
B37-3	4	ASSMNT	31.17	4.30	26.87
TMW-2A	4	REMED	31.99	3.37	28.62
Zone 6					
B85-6	6	SEMGW	27.02	5.82	21.20
B87-6	6	SEMGW	29.37	8.56	20.81
MW-100-6	6	ASSMNT	31.71	8.3	23.41
Floridian Aquifer					
FA-1B	FL	SEMGW	32.22	11.07	21.15
FA-2C	FL	SEMGW	28.10	10.56	17.54
F-MB	FL	SEMGW	33.88	13.33	20.55

Notes: btoc = below top of casing;

NGVD = National Geodetic Vertical Datum of 1929.

Table 2
Surface Water Elevation Data
Tomoka Farms Road, Volusia County, Florida
2020 Second Semiannual Compliance Monitoring Event
Monitoring Date: January 4, 2021

Location	Staff Gage Reference	Staff Gage Reading	Surface Water Elevation
	Elevation (NGVD)	(feet)	(NGVD)
SW-1	NA*	NA	NA
SW-2	24	NA	NA
SW-3	21	2.10	23.10
SW-4	26	3.75	29.75
SW-5	24	4.25	28.25
SW-11	17	NA	NA
SW-12	22	4.00	18.00

*Note: FDOT removed the staff Gage during construction of the area.

Table 3

Check List of Laboratory Analytical Parameters for Groundwater and Surface Water

Parameters	Method	Groundwater	Surface Water
Appendix I Metals	EPA 6010/6020	X	X
Volatile Organic Compounds	EPA 8260	X	X
1,2-Dibromo-3-chloropropane	EPA 8011	X	X
1,2-Dibromoethane	EPA 8011	X	X
Ammonia-N	EPA 350.1 No Distillation	X	X
Iron & Sodium	EPA 6010	X	x
Mercury	EPA 1631/7470	X	X
Nitrate-N	EPA 300.0 (Nitrate (N))	X	X
TDS	SM18 2540 C	X	X
Chloride	EPA 300.0 (Chloride)	X	NA
TSS	SM18 2540 D	NA	X
Carbon- Total Organic	SM18 5310 B	NA	X
Chlorophyll a	SM18 10200 H	NA	X
BOD	SM18 5210 B	NA	X
COD	EPA 410.4	NA	X
Coliform Fecal	SM18 9222 D (MF)	NA	X
Hardness- Calculated	SM18 2340 B	NA	X
Nitrate-Nitrite (N)	EPA 353.2 (Nitrate-Nitrite (N))	NA	X
Nitrogen- Total	SM18 Total N (TKN+NO2+NO3)	NA	X
Nitrogen- Total Kjeldahl	EPA 351.2	NA	X
Phosphorus- Total	EPA 365.4	NA	X

Note: X - Parameter was analyzed;

NA - Parameter was not analyzed.

Table 4
Summary of Detected Groundwater Parameters, Surficial Zone 1-2 Wells
Tomoka Farm Road Landfill, Volusia County
2020 Second Semiannual Monitoring
Sampling Date: January 5 through 15, 2021

Parameter	Standard	Detected Results																						Units
		B-11	B33-2	B34-2	B35-2	B37-2	B38-2	B-39	B40-2	B41-2	B42-2	B43-2	B44	B45-2	B59-2R	B63-2	B64	B65	B70-2	B71	B72	B73-2	B74	B75	
Field Measured Parameters																									
Dissolved Oxygen	NS	1.07	0.45	0.75	0.57	0.93	0.24	0.32	0.19	0.2	0.31	1.43	0.92	1.22	0.61	0.27	0.45	0.26	1.54	1.33	0.96	1.35	1.38	1.26	mg/L
ORP	NS	92.9	43.7	-132.1	-131.1	-24.8	121.1	100.5	-127.2	-135.3	118.9	-3.9	57.6	27.1	-0.9	-134.6	-29.8	-128.3	100.5	60.7	86.6	6.5	37.5	-2.6	mV
pH	6.5-8.5	**5.41**	6.6	7.05	**5.41**	6.98	**6.12**	**4.89**	**6.09**	6.59	**5.93**	**6.38**	**6.00**	**5.74**	7.00	6.96	**6.38**	**6.03**	6.99	**6.42**	6.69	**6.46**	**5.99**	**6.04**	S.U.
Specific Conductance	NS	145	631	899	486.8	350	548.5	130	495.7	521.2	492	634	156	847	538	705	565	612	334	424	540	364	199	638	uS/cm
Temperature, Water	NS	22.5	19.73	20	20.4	19.96	19.4	20.83	20	20.2	19.9	20.4	20.1	19.8	22.1	20.9	20.5	20.3	20	20.8	22.2	20.7	20.8	22.3	Deg. C
Turbidity	NS	6.17	7.26	13.5	2.29	2.67	9.87	7.29	2.86	1.9	2.15	25.4	15.1	14	12.2	15.3	10.4	2.16	3.85	3.79	1.88	16.5	5.47	14.1	NTU
General Chemistry																									
Ammonia (N)	2.8***	0.82	0.19	0.26	0.71	0.30	2.0	1.8	1.0	0.68	0.30	0.15	<0.035	0.16	0.23	0.074	1.5	0.58	<0.035	0.15	<0.035	<0.035	**3.4**	**5.7**	mg/L
Chloride	250**	10.4	33.0	28.5	111	21.1	17.9	17.8	19.3	20.5	36.3	41.5	29.1	211	14.0	54.3	24.9	47.3	6.7	10.5	8.8	11.8	10.4	59.4	mg/L
Nitrate (N)	10*	<0.025	1.7	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.12	<0.025	<0.12	<0.025	<0.25	0.038 I	<0.025	<0.38	<0.025	1.0	0.053	0.11	<0.025	<0.025	<0.25	mg/L
Residues- Filterable (TDS)	500**	169	**605**	**572**	350	301	400	202	370	364	349	469	144	**588**	429	416	463	433	276	355	454	329	229	**557**	mg/L
Sodium	160*	7.6	43.6	14.8	61.1	12.4	21.6	12.6	17.1	14.9	25.8	38.6	23.0	81.9	19.4	52.7	28.9	26.5	5.9	4.4	6.5	7.3	6.1	51.9	mg/L
Metals																									
Arsenic	10*	0.62 I	2.9	1.8	0.77 I	2.1	2.8	**26.7**	3.0	2.4	2.4	3.7	1.7	6.5	2.4	0.74 I	3.4	2.2	0.89 I	2.3	0.52 I	4.7	2.5	0.83 I	ug/L
Barium	2000*	39.2	53.4	48.3	94.8	21.3	34.7	32.0	26.8	26.5	32.4	29.1	13.8	128	76.4	46.6	103	46.0	31.3	21.1	50.0	35.3	18.9	80.0	ug/L
Cadmium	5*	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	ug/L
Chromium	100*	3.3 I	1.9 I	<1.7	5.3	<1.7	<1.7	12.6	<1.7	1.8 I	5	<1.7	3.6 I	<1.7	<1.7	<1.7	<1.7	2.8 I	<1.7	<1.7	<1.7	<1.7	2.3 I	2.2 I	ug/L
Cobalt	140***	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	1 I	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	1.1 I	<0.96	2.3 I	<0.96	<0.96	ug/L
Copper	1000**	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	3.1 I	<2.6	<2.6	<2.6	<2.6	ug/L
Iron	300**	**1280**	**2240**	**14000**	**11900**	**6130**	**11900**	**13200**	**4530**	**1100**	**2600**	**7570**	**8910**	**53700**	**2140**	**5120**	**25200**	**1570**	**386**	**418**	**61.4**	**2350**	**3280**	**18500**	ug/L
Nickel	100*	<2.1	<2.1	3.9 I	<2.1	<2.1	<2.1	3.7 I	<2.1	<2.1	<2.1	<2.1	<2.1	5.8	<2.1	<2.1	<2.1	<2.1	<2.1	2.2 I	2.2 I	2.3 I	<2.1	<2.1	ug/L
Vanadium	49***	18.1	4.9 I	4.4 I	6.6 I	1.6 I	1.6 I	48.3	2.8 I	2.4 I	2.9 I	4.2 I	16.1	19.6	3.7 I	2.3 I	1.8 I	3.3 I	5.2 I	5.2 I	5.4 I	3.0 I	5.1 I	5.0 I	ug/L
Zinc	5000**	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	<11.0	55.2	<11.0	<11.0	<11.0	ug/L
VOCs																									
1,2-dichloropropane	5*	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	ug/L
Acetone	6300***	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	ug/L
Benzene	1*	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	**5.4**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.39 I	<0.30	ug/L
Chlorobenzene	100*	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	1.3	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	ug/L
Ethylbenzene	700*	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	ug/L
Vinyl chloride	1*	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	ug/L
Xylenes- Total	20**	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	ug/L

Note:

* - Primary Drinking Water Standard (62-520 F.A.C.);

** - Secondary Drinking Water Standard (620-520 F.A.C.);

*** - Groundwater Cleanup Tatrget Level (62-777 F.A.C.);

NS - No Standard;

Bold value indicates that the result is above the standard;

I - Analyte detected below the quantitation limit;

< -The parameter was detected below the detection limit (value).

Table 5
Summary of Detected Groundwater Parameters, Surficial Zone 3-4 Wells
Tomoka Farm Road Landfill, Volusia County
2020 Second Semiannual Monitoring
Sampling Date: January 5 through 15, 2021

Parameter	Standard	Detected Results																						Units
		B1-B	B-2R	B33-1	B34-1	B35-1	B36	B37-1	B38-1	B40-1	B42-1	B43-1	B5	B59-1R	B60	B63-1	B68	B70-1	B73-1	B8-2	B82-1	B85	MO5-B	
Field Measured Parameters																								
Dissolved Oxygen	NS	0.21	0.62	0.28	0.34	0.57	0.23	0.73	0.6	0.34	0.53	0.61	0.72	0.81	1.06	0.34	0.91	5.23	0.63	1.02	0.69	0.53	0.54	mg/L
ORP	NS	-138.8	516.3	-13.9	-139.7	-149.4	-133	-77.6	-112.1	-130.1	-120.2	31.4	65.9	-20.3	-58.3	-136.4	-59	114.6	-60.7	144.4	108.3	-45.4	4.1	mV
pH	6.5-8.5	6.54	**3.05**	**6.17**	6.72	**6.01**	6.58	6.97	**5.37**	**5.66**	**5.72**	**5.89**	6.63	7.01	6.77	6.76	**6.36**	6.51	**9.83**	**4.83**	**6.45**	6.50	6.74	S.U.
Specific Conductance	NS	1168	1066	770	1772	298.2	2074	1916	369	745	855	822	513	457	409	531	966	177	419	1468	262	1741	979	µS/cm
Temperature, Water	NS	23	20.6	22.91	22.2	22	22.4	22.15	22	22.1	22.4	22.4	22.7	23.8	23.6	22.7	23.8	22.4	23.8	23.8	24.4	22.7	22.3	Deg. C
Turbidity	NS	5.32	15.7	4.33	1.73	3.69	1.75	7.03	2.34	2.05	2.61	11.4	19.2	8.73	7.1	1.96	1.94	9.85	9.53	19.4	14.6	12.7	3.39	NTU
General Chemistry																								
Ammonia (N)	2.8***	**24.3**	0.88	0.31	0.21	0.15	0.35	0.62	0.093	0.33	0.50	5.6	0.57	1.2	2.5	0.10	2.3	<0.035	0.12	0.18	0.062	**24.0**	**5.8**	mg/L
Chloride	250**	46.0	55.7	173	86.6	42.2	239	173	75.2	72.2	98.4	130	12.0	38.6	42.0	47.5	29.8	21.9	18.5	**609**	29.9	119	110	mg/L
Nitrate (N)	10*	<0.12	<0.025	<0.025	<0.025	<0.025	<0.025	<0.25	<0.12	<0.12	<0.25	<0.12	0.072	<0.025	<0.025	<0.025	<0.25	<0.025	0.072	<0.25	0.10	0.11	0.30	mg/L
Residues- Filterable (TDS)	500**	**738**	**1050**	**713**	**1180**	207	**1430**	**1570**	247	**531**	**620**	**586**	409	374	305	326	**898**	169	400	**1940**	314	**990**	**852**	mg/L
Sodium	160*	49.0	31.7	69.4	51.1	26.6	132	**182**	31.8	57.5	73.4	103	24.0	39.8	35.2	44.2	33.4	22.8	37.8	121	13.6	109	103	mg/L
Metals																								
Arsenic	10*	<0.50	<0.50	<0.50	1.8	<0.50	<0.50	0.82 I	<0.50	1.0	1.6	1.1	1.4	<0.50	0.78 I	<0.50	2.8	0.87 I	0.53 I	0.83 I	<0.50	<0.50	0.62 I	µg/L
Barium	2000*	270	62.8	77.2	215	77.3	164	211	105	209	123	230	63.7	101	111	41.7	241	26.0	53.6	445	39.5	50.3	232	µg/L
Cadmium	4*	<0.33	<0.33	<0.33	<0.66	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	µg/L
Chromium	100*	<1.7	<1.7	<1.7	8.0	<1.7	<1.7	<1.7	<1.7	<1.7	3.3 I	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	4.4 I	3.0 I	µg/L
Cobalt	140***	<0.96	<0.96	<0.96	1.3 I	<0.96	3.2 I	3.1 I	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	1.5 I	1.2 I	µg/L
Iron	300**	**20000**	**2630**	**15700**	**38800**	**10400**	**6430**	**37700**	**22200**	**24200**	**13000**	**26300**	**8810**	**2760**	**4750**	**2340**	**45700**	**3240**	**11000**	**52900**	**7210**	**6160**	**9660**	µg/L
Nickel	100*	<2.1	<2.1	<2.1	4.4 I	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	2.8 I	<2.1	<2.1	<2.1	µg/L
Vanadium	49***	1.4 I	<1.0	4.6 I	2.6 I	1.8 I	1.0 I	<1.0	1.6 I	1.6 I	2.3 I	2.8 I	<1.0	<1.0	1.3 I	1.3 I	2.8 I	<1.0	1.2 I	34.2	2.8 I	3.2 I	1.5 I	µg/L
VOCs																								
1,1-Dichloroethane	70***	<0.34	<0.34	<0.34	<0.34	<0.34	1.1	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	µg/L
1,4-Dichlorobenzene	75*	<0.28	<0.28	<0.28	<0.28	<0.28	0.51 I	0.45 I	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	0.88 I	<0.28	µg/L
Benzene	1*	<0.30	<0.30	<0.30	<0.30	<0.30	**1.9**	**6.7**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	µg/L
Chlorobenzene	100*	0.70 I	<0.35	<0.35	<0.35	<0.35	3.7	7.7	<0.35	<0.35	<0.35	1.9	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	3.4	<0.35	µg/L
Toluene	40**	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	µg/L
Xylenes- Total	20**	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	µg/L

Note:

* - Primary Drinking Water Standard (62-520 F.A.C.);

** - Secondary Drinking Water Standard (620-520 F.A.C.);

*** - Groundwater Cleanup Tatrget Level (62-777 F.A.C.);

NS - No Standard;

Bold value indicates that the result is above the standard;

I - Analyte detected below the quantitation limit;

< -The parameter was detected below the detection limit (value).

Table 6
Summary of Detected Groundwater Parameters, Floridan Aquifer Wells
Tomoka Farm Road Landfill, Volusia County
2020 Second Semiannual Monitoring
Sampling Date: January 5 through 15, 2021

Parameter	Standard	Detected Results					Units
		B85-6	B87-6	FA-1B	FA-2C	F-MB	
Field Measured Parameters							
Dissolved Oxygen	NS	0.25	0.28	0.27	0.16	0.24	mg/L
ORP	NS	-58	-68.8	-132.1	-100.3	-59.4	mV
pH	6.5-8.5**	**6.4**	6.69	7.13	7.32	6.99	S.U.
Specific Conductance	NS	2116	694	573	711	623	µS/cm
Temperature, Water	NS	22.6	23.1	22.2	22	23.5	Deg. C
Turbidity	NS	12.2	13.6	1.54	0.74	19.1	NTU
General Chemistry							
Ammonia (N)	2.8***	**26.3**	0.13	0.42	0.47	0.36	mg/L
Chloride	250**	174	29.4	14.5	63.0	21.7	mg/L
Nitrate (N)	10*	0.042 I	<0.25	<0.025	<0.025	<0.025	mg/L
Residues- Filterable (TDS)	500**	**1200**	422	353	422	378	mg/L
Sodium	160*	152	25.5	10.4	46.2	16.5	mg/L
Metals							
Arsenic	10*	0.64 I	<0.50	<0.50	<0.50	<0.50	µg/L
Barium	2000*	53.2	30.0	26.2	21.3	18.9	µg/L
Chromium	100*	3.9 I	<1.7	<1.7	<1.7	<1.7	µg/L
Cobalt	140***	2.8 I	<0.96	1.1 I	<0.96	<0.96	µg/L
Iron	300**	**10500**	**4510**	**497**	**648**	105	µg/L
Vanadium	49***	5.4 I	1.6 I	2.5 I	<1.0	<1.0	µg/L
VOCs							
1,4-Dichlorobenzene	75*	0.98 I	<0.28	<0.28	<0.28	<0.28	µg/L
Benzene	1*	**1.1**	<0.30	<0.30	<0.30	<0.30	µg/L
Chlorobenzene	100*	4.6	<0.35	<0.35	<0.35	<0.35	µg/L

Note:

* - Primary Drinking Water Standard (62-520 F.A.C.);

** - Secondary Drinking Water Standard (620-520 F.A.C.);

*** - Groundwater Cleanup Tatrget Level (62-777 F.A.C.);

NS - No Standard;

Bold value indicates that the result is above the standard;

I - Analyte detected below the quantitation limit;

< -The parameter was detected below the detection limit (value).

Table 7
Summary of Detected Surface Water Parameters
Tomoka Farm Road Landfill, Volusia County
2020 Second Semiannual Monitoring
Sampling Date: January 5 through 15, 2021

Parameter	Class III Standard[σ]	Detected Results							Units
		SW-1	SW-2	SW-3	SW-4	SW-5	SW-11	SW-12	
Field Measured Parameters									
Dissolved Oxygen	NA	7.77	4.57	4.64	3.71	8.16	7.01	7.85	mg/L
ORP	NA	99.9	136.5	173.2	15.3	147.6	157.7	143.4	mV
pH	6-8.5	7.85	6.38	6.72	6.02	7.16	7.44	8.25	S.U.
Specific Conductance	NS	143	281	249	316	367	395	389	µS/cm
Temperature, Water	NS	19.14	13.8	17.71	14.17	17.79	17.73	19.88	Deg. C
Turbidity	<29 NTU above background	2.16	2.01	2.94	3.21	5.79	13.2	14.9	NTU
General Chemistry									
Ammonia (N)	Result	<0.035	2	0.17	**5.7**	0.054	<0.035	<0.035	mg/L
	Cal. Std*	2.25	3.17	2.46	3.10	2.45	2.46	2.14	mg/L
BOD	NS	<2.0	2.2	<2.0	7.1	5.9	<2.0	<2.0	mg/L
Carbon- Total Organic	NS	5.1	14.6	24.6	18.1	18.9	15.4	14.8	mg/L
Chlorophyll a- uncorrected	NS	10.5	47.4	8.0	23.4	91.0	17.3	16.8	µg/L
COD	NS	21.3	47.6	85.9	81.6	71.4	58.1	51.9	mg/L
Coliform Fecal	126	<1.0	60.0	11.0	60.0	111	60.0	19.0	#/100 mL
Hardness- Calculated	NS	82.0	129	74.6	141	173	142	144	mg/L
Nitrate (N)	NS	<0.025	0.052	<0.025	<0.025	0.13	0.68	0.81	mg/L
Nitrogen- Total	NS	<0.033	0.052	<0.033	<0.033	0.13	0.68	0.81	mg/L
Phosphorus- Total	NS	<0.050	0.13	0.084 I	0.77	<0.050	<0.050	<0.050	mg/L
Residues- Filterable (TDS)	NS	104	240	171	225	288	341	320	mg/L
Residues- Nonfilterable (TSS)	NS	9.0	12.0	<5.0	19.0	7.0	7.0	8.5	mg/L
Sodium	NS	3.8	18.5	16.1	20.5	29.8	34.9	35.3	mg/L
Un-ionized Ammonia	NS	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	mg/L
Metrals									
Antimony	240	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	1.3	µg/L
Arsenic	50	<0.50	0.87 I	1.3	0.78 I	1.0	2.7	2.9	µg/L
Barium	NS	10.9	19.2	17.2	27.0	33.2	29.3	32.3	µg/L
Beryllium	64	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	µg/L
Iron	1,000	<25.0	284	783	315	**1230**	245	221	µg/L
Mercury	0.012	<0.0010	0.000338 I	0.00147	0.000651	0.000214 I	<0.0010	0.000788	µg/L
Nickel	Result	<2.1	<2.1	<2.1	<2.1	<2.1	3.2 I	3.0 I	µg/L
	Cal.Std: $e^{(0.846[\ln H]+0.0584)}$						70.2	71.0	µg/L
Vanadium	NS	1.0 I	<1.0	<1.0	<1.0	1.3 I	5.7 I	7.5 I	µg/L
Zinc	Result	<11	<11	<11	<11	<11	<11	<11	µg/L
	Cal. Std: $e^{(0.8473[\ln H]+0.884)}$								µg/L

Notes:

[σ]Surface water Class III standards (62-320-530 F.A.C.);

NS - No Standard;

Bold value ondicates that the result is above the Class III Standard;

I - Analyte detected below the quantitation limit;

< -The parameter was detected below the detection limit (value).

[ε]DO standard in accordance with 62-302.533, F.A.C. can't be calculated due to lack of data.

*Ammonia Standard equation:

$$30-\text{day Average} = 0.8876 \times \left(\frac{0.0278}{1+10^{7.688-pH}} + \frac{1.1994}{1+10^{pH-7.688}}\right) \times \left(2.126 \times 10^{0.028\times(20-MAX(T.7))}\right)$$

pH segment	0.8296	1.9018	1.8029	1.9527	1.5444	1.2842	0.4509	mg/L
T segment	2.2472	3.1708	2.4642	3.0960	2.4516	2.4611	2.1425	mg/L
Slope	0.8876	0.8876	0.8876	0.8876	0.8876	0.8876	0.8876	mg/L
Ammonia-N Standard	Not sampled	5.35	3.94	5.37	3.36	2.81	0.86	mg/L

Attachment 1
Laboratory Reports and Field Data Sheets

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
Phone: 386.672.5668
Fax: 386.673.4001
www.pacelabs.com

2/4/21

Ms. Jennifer Stirk
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Daytona Beach, FL 32124

Re: Semi-annual Chemical Analyses Data
Tomoka Road Landfill – Fall 2020 (20S2)

Dear Ms. Stirk:

Submitted herein are the semi-annual chemical analyses data for monitor wells sampled at Tomoka Road Landfill from January 5th to January 15th of 2021. The Pace Analytical Services work order numbers for this sampling event are 35602272, 35602573, 35602972, 35603183, 35603464, 35603691, 35603946, 35604254, 35604632, and 35605046.

This submission contains all the analytical data performed on groundwater samples for the parameters specified in the permit issued by Florida Department of Environmental Protection (DEP).

We have reviewed the data and compared the results with the guidance concentrations published by Florida DEP. The monitor wells with results exceeding the guidance concentrations are identified and listed in the comparison report from the ADaPT software in this submission.

If you have any questions or need further information on this report, please feel free to call us at (386) 672 - 5668.

Respectfully submitted,

Jeff Baylor
Project Manager

Tomoka Farms Road LF
SEMI-ANNUAL ANALYTICAL REPORT
Fall 2020 (20S2)

Prepared by:
Jeff Baylor
Project Manager
Pace Analytical Services, LLC.
8 East Tower Circle
Ormond Beach, FL 32174
Phone: (386)-672-5668

Tomoka Farms Road Landfill Semi-annual Chemical Analyses Data
Fall 2020 (20S2)

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COMPARSION REPORT OF GUIDANCE EXCEEDENCES

FDEP Automated Data Evaluation

Human Review Statement:

This is an automated data review produced by the Florida ADaPT software. The report does not supercede FDEP rules or standards and may not contain all violations of FDEP rulesand standards. This report should be reviewed by a qualified staff member.

Sample ID:	**B-11**	Sample Date:	01/13/2021 11:55	Project Name:	TOMOKA FARMS ROAD LANDFILL
Monitoring Site:	15679	Matrix	W	Project Number:	27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	62-777 Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	1280		25	40	300	NA	ug/L	4.3	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	62-777 Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B1-B** Sample Date: 01/07/2021 16:05 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15636 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Ammonia (N)	TOT	24.3		0.17	0.25	2.8	NA	mg/L	8.7	
Iron	TOT	20000		25	40	300	NA	ug/L	67	
Residues- Filterable (TDS)	TOT	738		10	10	500	NA	mg/L	1.5	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B-2R** Sample Date: 01/13/2021 12:45 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15679 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	2630		25	40	300	NA	ug/L	8.8	
Residues- Filterable (TDS)	TOT	1050		10	10	500	NA	mg/L	2.1	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B33-1** Sample Date: 01/14/2021 12:52 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15792 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	15700		25	40	300	NA	ug/L	52	
Residues- Filterable (TDS)	TOT	713		5	5	500	NA	mg/L	1.4	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B33-2** Sample Date: 01/14/2021 11:57 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15803 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	62-777 Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	2240		25	40	300	NA	ug/L	7.5	
Residues- Filterable (TDS)	TOT	605		5	5	500	NA	mg/L	1.2	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	62-777 Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B34-1** Sample Date: 01/06/2021 11:15 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15794 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	62-777 Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	38800		50	80	300	NA	ug/L	129	
Residues- Filterable (TDS)	TOT	1180		10	10	500	NA	mg/L	2.4	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	62-777 Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B34-2** Sample Date: 01/06/2021 11:38 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15795 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	14000		25	40	300	NA	ug/L	47	
Residues- Filterable (TDS)	TOT	572		5	5	500	NA	mg/L	1.1	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B35-1** Sample Date: 01/07/2021 10:00 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15796 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	10400		25	40	300	NA	ug/L	35	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B35-2** Sample Date: 01/07/2021 10:24 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15797 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	11900		25	40	300	NA	ug/L	40	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B36** Sample Date: 01/07/2021 11:25 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15798 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Benzene	TOT	1.9		0.3	1	1	NA	ug/L	1.9	
Iron	TOT	6430		25	40	300	NA	ug/L	21	
Residues- Filterable (TDS)	TOT	1430		10	10	500	NA	mg/L	2.9	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B36 Dup** Sample Date: 01/07/2021 11:25 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15798 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Benzene	TOT	1.6		0.3	1	1	NA	ug/L	1.6	
Iron	TOT	6210		25	40	300	NA	ug/L	21	
Residues- Filterable (TDS)	TOT	1450		10	10	500	NA	mg/L	2.9	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B37-1** Sample Date: 01/08/2021 10:16 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15799 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Benzene	TOT	6.7		0.3	1	1	NA	ug/L	6.7	
Iron	TOT	37700		25	40	300	NA	ug/L	126	
Residues- Filterable (TDS)	TOT	1570		20	20	500	NA	mg/L	3.1	
Sodium	TOT	182		0.54	2	160	NA	mg/L	1.1	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B37-2** Sample Date: 01/08/2021 10:43 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15800 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	6130		25	40	300	NA	ug/L	20	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B38-1** Sample Date: 01/06/2021 15:59 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15801 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	22200		25	40	300	NA	ug/L	74	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B38-2** Sample Date: 01/06/2021 15:14 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15802 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	11900		25	40	300	NA	ug/L	40	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B39** Sample Date: 01/14/2021 11:16 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15803 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Arsenic	TOT	26.7		0.5	1	10	NA	ug/L	2.7	
Iron	TOT	13200		25	40	300	NA	ug/L	44	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B40-1** Sample Date: 01/07/2021 12:37 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15804 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	24200		25	40	300	NA	ug/L	81	
Residues- Filterable (TDS)	TOT	531		5	5	500	NA	mg/L	1.1	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B40-2** Sample Date: 01/07/2021 13:13 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15805 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	4530		25	40	300	NA	ug/L	15	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B41-2** Sample Date: 01/07/2021 15:19 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15807 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	1100		25	40	300	NA	ug/L	3.7	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B42-1** Sample Date: 01/08/2021 11:25 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15808 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	13000		25	40	300	NA	ug/L	43	
Residues- Filterable (TDS)	TOT	620		5	5	500	NA	mg/L	1.2	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B42-2** Sample Date: 01/08/2021 11:45 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15809 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	2600		25	40	300	NA	ug/L	8.7	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B43-1** Sample Date: 01/11/2021 09:18 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15810 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Ammonia (N)	TOT	5.6		0.035	0.05	2.8	NA	mg/L	2	
Iron	TOT	26300		25	40	300	NA	ug/L	88	
Residues- Filterable (TDS)	TOT	586		10	10	500	NA	mg/L	1.2	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B43-1 Dup** Sample Date: 01/11/2021 09:18 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15810 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Ammonia (N)	TOT	5.9		0.035	0.05	2.8	NA	mg/L	2.1	
Iron	TOT	25600		25	40	300	NA	ug/L	85	
Residues- Filterable (TDS)	TOT	828		10	10	500	NA	mg/L	1.7	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B43-2** Sample Date: 01/11/2021 09:57 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15811 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	7570		25	40	300	NA	ug/L	25	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B44** Sample Date: 01/09/2021 11:20 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15812 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	8910		25	40	300	NA	ug/L	30	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B45-2** Sample Date: 01/09/2021 10:39 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15814 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Benzene	TOT	5.4		0.3	1	1	NA	ug/L	5.4	
Iron	TOT	53700		250	400	300	NA	ug/L	179	
Residues- Filterable (TDS)	TOT	588		5	5	500	NA	mg/L	1.2	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B-5** Sample Date: 01/13/2021 14:24 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15403 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	8810		25	40	300	NA	ug/L	29	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	UJ	0.59	1	0.2	2	ug/L	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
1,2,3-Trichloropropane	TOT	0.53	UJ	0.53	2	0.02	2	ug/L	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
Acrylonitrile	TOT	3.7	UJ	3.7	20	0.06	20	ug/L	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
Dibromochloromethane	TOT	0.45	UJ	0.45	2	0.4	2	ug/L	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B59-1R** Sample Date: 01/12/2021 13:32 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15817 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	2760		25	40	300	NA	ug/L	9.2	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B59-2R** Sample Date: 01/12/2021 14:07 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15818 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	2140		25	40	300	NA	ug/L	7.1	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B60** Sample Date: 01/12/2021 12:11 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15819 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	4750		25	40	300	NA	ug/L	16	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B63-1** Sample Date: 01/06/2021 14:04 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15823 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	2340		25	40	300	NA	ug/L	7.8	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B63-2** Sample Date: 01/06/2021 14:29 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15824 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	5120		25	40	300	NA	ug/L	17	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B64** Sample Date: 01/15/2021 13:31 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15825 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	25200		25	40	300	NA	ug/L	84	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B65** Sample Date: 01/07/2021 14:45 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15826 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	1570		25	40	300	NA	ug/L	5.2	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B68** Sample Date: 01/12/2021 15:15 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15829 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	45700		250	400	300	NA	ug/L	152	
Residues- Filterable (TDS)	TOT	898		10	10	500	NA	mg/L	1.8	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B70-1** Sample Date: 01/09/2021 09:24 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 19800 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	3240		25	40	300	NA	ug/L	11	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B70-2** Sample Date: 01/09/2021 10:02 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 19801 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	386		25	40	300	NA	ug/L	1.3	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B71** Sample Date: 01/11/2021 10:51 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 19802 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	418		25	40	300	NA	ug/L	1.4	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B72** Sample Date: 01/11/2021 11:42 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 19803 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B73-1** Sample Date: 01/11/2021 13:01 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 19804 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	11000		25	40	300	NA	ug/L	37	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B73-2** Sample Date: 01/11/2021 13:55 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 19805 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	2350		25	40	300	NA	ug/L	7.8	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B74** Sample Date: 01/12/2021 10:17 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 19806 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Ammonia (N)	TOT	3.4		0.035	0.05	2.8	NA	mg/L	1.2	
Iron	TOT	3280		25	40	300	NA	ug/L	11	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B74 DUP** Sample Date: 01/12/2021 10:17 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 19806 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Ammonia (N)	TOT	3.3		0.035	0.05	2.8	NA	mg/L	1.2	
Iron	TOT	3260		25	40	300	NA	ug/L	11	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B75** Sample Date: 01/12/2021 11:23 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 19807 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Ammonia (N)	TOT	5.7		0.035	0.05	2.8	NA	mg/L	2	
Iron	TOT	18500		25	40	300	NA	ug/L	62	
Residues- Filterable (TDS)	TOT	557		5	5	500	NA	mg/L	1.1	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B8-2** Sample Date: 01/13/2021 10:56 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15790 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Chloride	TOT	609		25	50	250	NA	mg/L	2.4	
Iron	TOT	52900		250	400	300	NA	ug/L	176	
Residues- Filterable (TDS)	TOT	1940		20	20	500	NA	mg/L	3.9	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B8-2 Dup** Sample Date: 01/13/2021 10:56 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15790 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Chloride	TOT	586		25	50	250	NA	mg/L	2.3	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
Iron	TOT	52000		250	400	300	NA	ug/L	173	
Residues- Filterable (TDS)	TOT	1920		20	20	500	NA	mg/L	3.8	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B82-1** Sample Date: 01/11/2021 15:09 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 28776 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	7210		25	40	300	NA	ug/L	24	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B85** Sample Date: 01/15/2021 11:40 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 28779 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Ammonia (N)	TOT	24		0.17	0.25	2.8	NA	mg/L	8.6	
Iron	TOT	6160		25	40	300	NA	ug/L	21	
Residues- Filterable (TDS)	TOT	990		10	10	500	NA	mg/L	2	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B85-6** Sample Date: 01/15/2021 12:18 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 29067 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion (62-777)	Target PQL	Units	Exceeds By	Comment:
Ammonia (N)	TOT	26.3		0.17	0.25	2.8	NA	mg/L	9.4	
Benzene	TOT	1.1		0.3	1	1	NA	ug/L	1.1	
Iron	TOT	10500		25	40	300	NA	ug/L	35	
Residues- Filterable (TDS)	TOT	1200		10	10	500	NA	mg/L	2.4	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion (62-777)	Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **B87-6** Sample Date: 01/15/2021 13:08 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 29069 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	4510		25	40	300	NA	ug/L	15	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **EQ Blank 1/11/21** Sample Date: 01/11/2021 08:41 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **EQ Blank 1/12/21** Sample Date: 01/12/2021 09:45 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **EQ Blank 1/13/21** Sample Date: 01/13/2021 09:54 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **EQ Blank 1/14/21** Sample Date: 01/14/2021 09:22 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **EQ Blank 1/15/21** Sample Date: 01/15/2021 11:15 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **EQ Blank 1/6/21** Sample Date: 01/06/2021 10:25 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **EQ Blank 1/7/21** Sample Date: 01/07/2021 09:10 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **EQ Blank 1/8/21** Sample Date: 01/08/2021 09:15 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **EQ Blank 1/9/21** Sample Date: 01/09/2021 08:31 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **FA-1B** Sample Date: 01/06/2021 12:25 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15639 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	497		25	40	300	NA	ug/L	1.7	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **FA-1B Dup** Sample Date: 01/06/2021 12:25 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15639 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	469		25	40	300	NA	ug/L	1.6	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **FA-2C** Sample Date: 01/15/2021 13:50 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15836 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	648		25	40	300	NA	ug/L	2.2	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **F-MB** Sample Date: 01/15/2021 14:32 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 22777 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **M05-B** Sample Date: 01/14/2021 10:27 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15635 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Ammonia (N)	TOT	5.8		0.035	0.05	2.8	NA	mg/L	2.1	
Iron	TOT	9660		25	40	300	NA	ug/L	32	
Residues- Filterable (TDS)	TOT	852		10	10	500	NA	mg/L	1.7	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **M05-B Dup** Sample Date: 01/14/2021 10:27 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15635 Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Ammonia (N)	TOT	6.4		0.035	0.05	2.8	NA	mg/L	2.3	
Iron	TOT	10600		25	40	300	NA	ug/L	35	
Residues- Filterable (TDS)	TOT	936		10	10	500	NA	mg/L	1.9	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **Trip Blank 1/12/21** Sample Date: 01/12/2021 00:00 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
1,2-Dibromo-3-chloropropane	TOT	1.9	U	1.9	5	0.2	NA	ug/L	
1,2-Dibromoethane	TOT	0.31	U	0.31	1	0.02	NA	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **Trip Blank 1/13/21** Sample Date: 01/13/2021 00:00 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
1,2-Dibromo-3-chloropropane	TOT	1.9	U	1.9	5	0.2	NA	ug/L	
1,2-Dibromoethane	TOT	0.31	U	0.31	1	0.02	NA	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **Trip Blank 1/14/21** Sample Date: 01/14/2021 00:00 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
1,2-Dibromo-3-chloropropane	TOT	1.9	U	1.9	5	0.2	NA	ug/L	
1,2-Dibromoethane	TOT	0.31	U	0.31	1	0.02	NA	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **TRIP BLANK 1/15/21** Sample Date: 01/15/2021 00:00 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
1,2-Dibromo-3-chloropropane	TOT	1.9	U	1.9	5	0.2	NA	ug/L	
1,2-Dibromoethane	TOT	0.31	U	0.31	1	0.02	NA	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **Trip Blank 1/6/21** Sample Date: 01/06/2021 00:00 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
1,2-Dibromo-3-chloropropane	TOT	1.9	U	1.9	5	0.2	NA	ug/L	
1,2-Dibromoethane	TOT	0.31	U	0.31	1	0.02	NA	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **TRIP BLANK 1/7/21** Sample Date: 01/07/2021 00:00 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
1,2-Dibromo-3-chloropropane	TOT	1.9	U	1.9	5	0.2	NA	ug/L	
1,2-Dibromoethane	TOT	0.31	U	0.31	1	0.02	NA	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **Trip Blank 1/8/21** Sample Date: 01/08/2021 00:00 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
1,2-Dibromo-3-chloropropane	TOT	1.9	U	1.9	5	0.2	NA	ug/L	
1,2-Dibromoethane	TOT	0.31	U	0.31	1	0.02	NA	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **Trip Blank 1/9/21** Sample Date: 01/09/2021 00:00 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: Matrix W Project Number: 27540

Compliance Check: **Groundwater - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Comment:
1,1,2,2-Tetrachloroethane	TOT	0.59	U	0.59	1	0.2	2	ug/L	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.02	2	ug/L	
1,2-Dibromo-3-chloropropane	TOT	1.9	U	1.9	5	0.2	NA	ug/L	
1,2-Dibromoethane	TOT	0.31	U	0.31	1	0.02	NA	ug/L	
Acrylonitrile	TOT	3.7	U	3.7	20	0.06	20	ug/L	
Dibromochloromethane	TOT	0.45	U	0.45	2	0.4	2	ug/L	

FDEP Automated Data Evaluation

Human Review Statement:

This is an automated data review produced by the Florida ADaPT software. The report does not supercede FDEP rules or standards and may not contain all violations of FDEP rulesand standards. This report should be reviewed by a qualified staff member.

Sample ID: **SW-1** Sample Date: 01/05/2021 14:10 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 19799 Matrix W Project Number: 27540

Compliance Check: **Surfacewater, Marine - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

						62-777			
Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	Target PQL	Units	Comment:
1,1,1,2-Tetrachloroethane	TOT	0.32	U	0.32	1	None or not Calculated	NA	ug/L	Calculate Manually
1,1-Dichloroethane	TOT	0.34	U	0.34	1	None or not Calculated	NA	ug/L	Calculate Manually
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.2	2	ug/L	
1,2-Dibromo-3-chloropropane	TOT	0.0061	U	0.0061	0.019	None or not Calculated	NA	ug/L	Calculate Manually
2-Hexanone	TOT	3.2	U	3.2	25	None or not Calculated	NA	ug/L	Calculate Manually
Acrylonitrile	TOT	3.7	U	3.7	20	0.2	20	ug/L	
Ammonia (N)	TOT	0.035	U	0.035	0.05	None or not Calculated	NA	mg/L	Calculate Manually
Bromochloromethane	TOT	0.37	U	0.37	1	None or not Calculated	NA	ug/L	Calculate Manually
Chloroethane	TOT	3.7	U	3.7	10	None or not Calculated	NA	ug/L	Calculate Manually
cis-1,2-Dichloroethene	TOT	0.27	U	0.27	1	None or not Calculated	NA	ug/L	Calculate Manually
Cobalt	TOT	0.96	U	0.96	10	None or not Calculated	NA	ug/L	Calculate Manually
Dibromomethane	TOT	0.68	U	0.68	2	None or not Calculated	NA	ug/L	Calculate Manually

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **SW-1** Sample Date: 01/05/2021 14:10 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 19799 Matrix W Project Number: 27540

Compliance Check: **Surfacewater, Marine - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units		Comment:
Nitrate (N)	TOT	0.025	U	0.025	0.05	None or not Calculated	NA	mg/L	Calculate Manually	
Nitrate-Nitrite (N)	TOT	0.033	U	0.033	0.05	None or not Calculated	NA	mg/L	Calculate Manually	
Trichlorofluoromethane	TOT	0.35	U	0.35	1	None or not Calculated	NA	ug/L	Calculate Manually	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **SW-11** Sample Date: 01/05/2021 13:20 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 19798 Matrix W Project Number: 27540

Compliance Check: **Surfacewater, Marine - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

						62-777			
Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	Target PQL	Units	Comment:
1,1,1,2-Tetrachloroethane	TOT	0.32	U	0.32	1	None or not Calculated	NA	ug/L	Calculate Manually
1,1-Dichloroethane	TOT	0.34	U	0.34	1	None or not Calculated	NA	ug/L	Calculate Manually
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.2	2	ug/L	
1,2-Dibromo-3-chloropropane	TOT	1.9	U	1.9	5	None or not Calculated	NA	ug/L	Calculate Manually
1,2-Dibromo-3-chloropropane	TOT	0.0061	UJ	0.0061	0.019	None or not Calculated	NA	ug/L	Calculate Manually Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
2-Hexanone	TOT	3.2	U	3.2	25	None or not Calculated	NA	ug/L	Calculate Manually
Acrylonitrile	TOT	3.7	U	3.7	20	0.2	20	ug/L	
Ammonia (N)	TOT	0.035	U	0.035	0.05	None or not Calculated	NA	mg/L	Calculate Manually
Bromochloromethane	TOT	0.37	U	0.37	1	None or not Calculated	NA	ug/L	Calculate Manually
Chloroethane	TOT	3.7	U	3.7	10	None or not Calculated	NA	ug/L	Calculate Manually
cis-1,2-Dichloroethene	TOT	0.27	U	0.27	1	None or not Calculated	NA	ug/L	Calculate Manually
Cobalt	TOT	0.96	U	0.96	10	None or not Calculated	NA	ug/L	Calculate Manually
Dibromomethane	TOT	0.68	U	0.68	2	None or not Calculated	NA	ug/L	Calculate Manually

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **SW-11** Sample Date: 01/05/2021 13:20 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 19798 Matrix W Project Number: 27540

Compliance Check: **Surfacewater, Marine - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

							62-777			
Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	Target PQL	Units		Comment:
Trichlorofluoromethane	TOT	0.35	UJ	0.35	1	None or not Calculated	NA	ug/L	Calculate Manually	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **SW-12** Sample Date: 01/05/2021 13:40 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 19799 Matrix W Project Number: 27540

Compliance Check: **Surfacewater, Marine - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	62-777 Criterion	62-777 Target PQL	Units		Comment:
1,1,1,2-Tetrachloroethane	TOT	0.32	U	0.32	1	None or not Calculated	NA	ug/L	Calculate Manually	
1,1-Dichloroethane	TOT	0.34	U	0.34	1	None or not Calculated	NA	ug/L	Calculate Manually	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.2	2	ug/L		
1,2-Dibromo-3-chloropropane	TOT	0.0065	U	0.0065	0.02	None or not Calculated	NA	ug/L	Calculate Manually	
2-Hexanone	TOT	3.2	U	3.2	25	None or not Calculated	NA	ug/L	Calculate Manually	
Acrylonitrile	TOT	3.7	U	3.7	20	0.2	20	ug/L		
Ammonia (N)	TOT	0.035	U	0.035	0.05	None or not Calculated	NA	mg/L	Calculate Manually	
Bromochloromethane	TOT	0.37	U	0.37	1	None or not Calculated	NA	ug/L	Calculate Manually	
Chloroethane	TOT	3.7	U	3.7	10	None or not Calculated	NA	ug/L	Calculate Manually	
cis-1,2-Dichloroethene	TOT	0.27	U	0.27	1	None or not Calculated	NA	ug/L	Calculate Manually	
Cobalt	TOT	0.96	U	0.96	10	None or not Calculated	NA	ug/L	Calculate Manually	
Dibromomethane	TOT	0.68	U	0.68	2	None or not Calculated	NA	ug/L	Calculate Manually	
Trichlorofluoromethane	TOT	0.35	U	0.35	1	None or not Calculated	NA	ug/L	Calculate Manually	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **SW-2** Sample Date: 01/05/2021 15:05 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15831 Matrix W Project Number: 27540

Compliance Check: **Surfacewater, Marine - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	62-777 Criterion	62-777 Target PQL	Units		Comment:
1,1,1,2-Tetrachloroethane	TOT	0.32	U	0.32	1	None or not Calculated	NA	ug/L	Calculate Manually	
1,1-Dichloroethane	TOT	0.34	U	0.34	1	None or not Calculated	NA	ug/L	Calculate Manually	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.2	2	ug/L		
1,2-Dibromo-3-chloropropane	TOT	0.0063	U	0.0063	0.02	None or not Calculated	NA	ug/L	Calculate Manually	
2-Hexanone	TOT	3.2	U	3.2	25	None or not Calculated	NA	ug/L	Calculate Manually	
Acrylonitrile	TOT	3.7	U	3.7	20	0.2	20	ug/L		
Bromochloromethane	TOT	0.37	U	0.37	1	None or not Calculated	NA	ug/L	Calculate Manually	
Chloroethane	TOT	3.7	U	3.7	10	None or not Calculated	NA	ug/L	Calculate Manually	
cis-1,2-Dichloroethene	TOT	0.27	U	0.27	1	None or not Calculated	NA	ug/L	Calculate Manually	
Cobalt	TOT	0.96	U	0.96	10	None or not Calculated	NA	ug/L	Calculate Manually	
Dibromomethane	TOT	0.68	U	0.68	2	None or not Calculated	NA	ug/L	Calculate Manually	
Trichlorofluoromethane	TOT	0.35	U	0.35	1	None or not Calculated	NA	ug/L	Calculate Manually	
Vanadium	TOT	1	U	1	10	None or not Calculated	NA	ug/L	Calculate Manually	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **SW-3** Sample Date: 01/05/2021 12:50 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15832 Matrix W Project Number: 27540

Compliance Check: **Surfacewater, Marine - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	783		25	40	300	NA	ug/L	2.6	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	62-777 Target PQL	Units		Comment:
1,1,1,2-Tetrachloroethane	TOT	0.32	U	0.32	1	None or not Calculated	NA	ug/L	Calculate Manually	
1,1-Dichloroethane	TOT	0.34	U	0.34	1	None or not Calculated	NA	ug/L	Calculate Manually	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.2	2	ug/L		
1,2-Dibromo-3-chloropropane	TOT	0.0064	U	0.0064	0.02	None or not Calculated	NA	ug/L	Calculate Manually	
1,2-Dibromo-3-chloropropane	TOT	1.9	U	1.9	5	None or not Calculated	NA	ug/L	Calculate Manually	
2-Hexanone	TOT	3.2	U	3.2	25	None or not Calculated	NA	ug/L	Calculate Manually	
Acrylonitrile	TOT	3.7	U	3.7	20	0.2	20	ug/L		
Bromochloromethane	TOT	0.37	U	0.37	1	None or not Calculated	NA	ug/L	Calculate Manually	
Chloroethane	TOT	3.7	U	3.7	10	None or not Calculated	NA	ug/L	Calculate Manually	
cis-1,2-Dichloroethene	TOT	0.27	U	0.27	1	None or not Calculated	NA	ug/L	Calculate Manually	
Cobalt	TOT	0.96	U	0.96	10	None or not Calculated	NA	ug/L	Calculate Manually	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **SW-3** Sample Date: 01/05/2021 12:50 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15832 Matrix W Project Number: 27540

Compliance Check: **Surfacewater, Marine - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	62-777 Criterion	62-777 Target PQL	Units		Comment:
Dibromomethane	TOT	0.68	U	0.68	2	None or not Calculated	NA	ug/L	Calculate Manually	
Nitrate (N)	TOT	0.025	U	0.025	0.05	None or not Calculated	NA	mg/L	Calculate Manually	
Nitrate-Nitrite (N)	TOT	0.033	U	0.033	0.05	None or not Calculated	NA	mg/L	Calculate Manually	
Trichlorofluoromethane	TOT	0.35	U	0.35	1	None or not Calculated	NA	ug/L	Calculate Manually	
Vanadium	TOT	1	U	1	10	None or not Calculated	NA	ug/L	Calculate Manually	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **SW-4** Sample Date: 01/05/2021 15:30 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15833 Matrix W Project Number: 27540

Compliance Check: **Surfacewater, Marine - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	62-777 Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	315		25	40	300	NA	ug/L	1.1	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	62-777 Criterion	62-777 Target PQL	Units		Comment:
1,1,1,2-Tetrachloroethane	TOT	0.32	U	0.32	1	None or not Calculated	NA	ug/L	Calculate Manually	
1,1-Dichloroethane	TOT	0.34	U	0.34	1	None or not Calculated	NA	ug/L	Calculate Manually	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.2	2	ug/L		
1,2-Dibromo-3-chloropropane	TOT	0.0063	U	0.0063	0.02	None or not Calculated	NA	ug/L	Calculate Manually	
2-Hexanone	TOT	3.2	U	3.2	25	None or not Calculated	NA	ug/L	Calculate Manually	
Acrylonitrile	TOT	3.7	U	3.7	20	0.2	20	ug/L		
Bromochloromethane	TOT	0.37	U	0.37	1	None or not Calculated	NA	ug/L	Calculate Manually	
Chloroethane	TOT	3.7	U	3.7	10	None or not Calculated	NA	ug/L	Calculate Manually	
cis-1,2-Dichloroethene	TOT	0.27	U	0.27	1	None or not Calculated	NA	ug/L	Calculate Manually	
Cobalt	TOT	0.96	U	0.96	10	None or not Calculated	NA	ug/L	Calculate Manually	
Dibromomethane	TOT	0.68	U	0.68	2	None or not Calculated	NA	ug/L	Calculate Manually	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **SW-4** Sample Date: 01/05/2021 15:30 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15833 Matrix W Project Number: 27540

Compliance Check: **Surfacewater, Marine - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

						62-777			
Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	Target PQL	Units	Comment:
Nitrate (N)	TOT	0.025	U	0.025	0.05	None or not Calculated	NA	mg/L	Calculate Manually
Nitrate-Nitrite (N)	TOT	0.033	U	0.033	0.05	None or not Calculated	NA	mg/L	Calculate Manually
Trichlorofluoromethane	TOT	0.35	U	0.35	1	None or not Calculated	NA	ug/L	Calculate Manually
Vanadium	TOT	1	U	1	10	None or not Calculated	NA	ug/L	Calculate Manually

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **SW-5** Sample Date: 01/05/2021 14:40 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15638 Matrix W Project Number: 27540

Compliance Check: **Surfacewater, Marine - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **A positive result, above the applied criteria was detected.**

Investigate - this MAY represent a potential violation.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	62-777 Criterion	62-777 Target PQL	Units	Exceeds By	Comment:
Iron	TOT	1230		25	40	300	NA	ug/L	4.1	

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

Parameter Name	Fraction	Rslt	Qual	MDL	PQL	62-777 Criterion	62-777 Target PQL	Units		Comment:
1,1,1,2-Tetrachloroethane	TOT	0.32	U	0.32	1	None or not Calculated	NA	ug/L	Calculate Manually	
1,1-Dichloroethane	TOT	0.34	U	0.34	1	None or not Calculated	NA	ug/L	Calculate Manually	
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.2	2	ug/L		
1,2-Dibromo-3-chloropropane	TOT	0.0062	U	0.0062	0.019	None or not Calculated	NA	ug/L	Calculate Manually	
2-Hexanone	TOT	3.2	U	3.2	25	None or not Calculated	NA	ug/L	Calculate Manually	
Acrylonitrile	TOT	3.7	U	3.7	20	0.2	20	ug/L		
Bromochloromethane	TOT	0.37	U	0.37	1	None or not Calculated	NA	ug/L	Calculate Manually	
Chloroethane	TOT	3.7	U	3.7	10	None or not Calculated	NA	ug/L	Calculate Manually	
cis-1,2-Dichloroethene	TOT	0.27	U	0.27	1	None or not Calculated	NA	ug/L	Calculate Manually	
Cobalt	TOT	0.96	U	0.96	10	None or not Calculated	NA	ug/L	Calculate Manually	
Dibromomethane	TOT	0.68	U	0.68	2	None or not Calculated	NA	ug/L	Calculate Manually	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **SW-5** Sample Date: 01/05/2021 14:40 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: 15638 Matrix W Project Number: 27540

Compliance Check: **Surfacewater, Marine - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

						62-777				
Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	Target PQL	Units		Comment:
Trichlorofluoromethane	TOT	0.35	U	0.35	1	None or not Calculated	NA	ug/L	Calculate Manually	

FDEP Automated Data Evaluation

This is an automated data review. Please see the Human Review statement on page 1.

Sample ID: **TRIP BLANK 1/5/21** Sample Date: 01/05/2021 00:00 Project Name: TOMOKA FARMS ROAD LANDFILL

Monitoring Site: Matrix W Project Number: 27540

Compliance Check: **Surfacewater, Marine - CTLs: 62-777, F.A.C. (04/17/2005)**

Evaluation Type: **The detection limit is greater than the applied action level or criteria.**

Investigate - the detection limit is too high to support the standard.

						62-777			
Parameter Name	Fraction	Rslt	Qual	MDL	PQL	Criterion	Target PQL	Units	Comment:
1,1,1,2-Tetrachloroethane	TOT	0.32	U	0.32	1	None or not Calculated	NA	ug/L	Calculate Manually
1,1-Dichloroethane	TOT	0.34	U	0.34	1	None or not Calculated	NA	ug/L	Calculate Manually
1,2,3-Trichloropropane	TOT	0.53	U	0.53	2	0.2	2	ug/L	
1,2-Dibromo-3-chloropropane	TOT	1.9	U	1.9	5	None or not Calculated	NA	ug/L	Calculate Manually
2-Hexanone	TOT	3.2	U	3.2	25	None or not Calculated	NA	ug/L	Calculate Manually
Acrylonitrile	TOT	3.7	U	3.7	20	0.2	20	ug/L	
Bromochloromethane	TOT	0.37	U	0.37	1	None or not Calculated	NA	ug/L	Calculate Manually
Chloroethane	TOT	3.7	U	3.7	10	None or not Calculated	NA	ug/L	Calculate Manually
cis-1,2-Dichloroethene	TOT	0.27	U	0.27	1	None or not Calculated	NA	ug/L	Calculate Manually
Dibromomethane	TOT	0.68	U	0.68	2	None or not Calculated	NA	ug/L	Calculate Manually
Trichlorofluoromethane	TOT	0.35	U	0.35	1	None or not Calculated	NA	ug/L	Calculate Manually

LIST OF GROUNDWATER LEVELS

MONITOR WELL WATER LEVEL
TOMOKA FARMS ROAD LANDFILL

Current month collection date: 1/4/2021
Sampled by: DI, BF

Well ID	Survey (TOC Elevation)	January 2021 Total well depth(TOC)	January 2021 Depth to water	January 2021 Water Level	May 2020 Water Level	November 2019 Water Level	May 2019 Water Level	November 2018 Water Level	May 2018 Water Level	November 2017 Water Level	May 2017 Water Level	November 2016 Water Level	May 2016 Water Level	November 2015 Water Level	May 2015 Water Level	November 2014 Water Level	May 2014 Water Level	November 2013 Water Level	May 2013 Water Level	November 2012 Water Level
B1-B	28.78	**35.85**	**6.69**	**22.09**	**19.10**	**22.89**	**21.37**	**21.28**	**19.64**	**21.94**	**14.80**	**20.33**	**18.90**	**20.81**	**20.62**	**20.66**	**20.78**	**17.51**	**14.42**	**17.29**
B-2R	34.25	**27.35**	**5.74**	**28.51**	**27.09**	**28.52**	**28.05**	**#VALUE!**	**27.96**	**29.15**	**26.13**	**28.13**	**27.76**	**28.31**	**27.81**	**27.98**	**26.33**	**24.01**	**23.23**	**24.43**
B-5	32.59	**25.60**	**3.65**	**28.94**	**27.83**	**29.24**	**28.26**	**28.78**	**27.59**	**29.05**	**26.14**	**28.34**	**28.09**	**28.55**	**28.54**	**28.39**	**28.84**	**27.86**	**27.36**	**28.05**
B8-2	33.37	**33.20**	**5.92**	**27.45**	**26.17**	**28.03**	**32.09**	**27.69**	**26.67**	**27.98**	**24.59**	**26.54**	**26.37**	**26.98**	**27.17**	**26.32**	**27.07**	**26.2**	**25.7**	**26.4**
B11	32.95	**16.95**	**4.25**	**28.70**	**27.23**	**29.35**	**28.98**	**29.31**	**27.95**	**29.00**	**25.20**	**27.75**	**27.19**	**28.14**	**28.40**	**27.73**	**28.45**	**24.83**	**24.23**	**25.41**
B33-1	34.69	**39.55**	**6.71**	**27.98**	**26.29**	**28.53**	**27.59**	**28.06**	**26.94**	**28.35**	**24.14**	**26.94**	**26.58**	**27.56**	**27.64**	**27.15**	**27.29**	**24.22**	**23.35**	**24.41**
B33-2	32.97	**17.50**	**4.28**	**28.69**	**26.88**	**29.65**	**28.25**	**28.62**	**27.44**	**29.05**	**24.88**	**27.52**	**27.31**	**28.17**	**28.34**	**27.77**	**28.07**	**25.9**	**25.36**	**26.11**
B34-1	31.19	**34.21**	**2.48**	**28.71**	**26.57**	**28.80**	**28.07**	**28.59**	**27.34**	**28.74**	**24.71**	**27.94**	**27.05**	**28.15**	**27.69**	**27.89**	**27.39**	**25.78**	**25.56**	**26.95**
B34-2	31.20	**17.03**	**1.31**	**29.89**	**26.92**	**30.12**	**29.16**	**29.75**	**28.08**	**29.85**	**25.30**	**29.30**	**27.68**	**29.30**	**28.96**	**29.2**	**28.6**	**26.51**	**26.71**	**29.02**
B35-1	29.26	**33.93**	**0.80**	**28.46**	**27.56**	**28.76**	**27.67**	**28.46**	**26.93**	**28.66**	**25.51**	**28.21**	**27.86**	**28.36**	**28.36**	**28.36**	**28.46**	**27.69**	**26.79**	**27.84**
B35-2	29.34	**17.47**	**0.80**	**28.54**	**27.89**	**28.64**	**28.03**	**28.59**	**27.06**	**28.49**	**26.08**	**28.34**	**28.18**	**28.52**	**28.44**	**28.43**	**28.49**	**28.06**	**27.28**	**28.08**
B36	29.33	**34.20**	**1.20**	**28.13**	**26.83**	**28.23**	**28.03**	**28.13**	**27.42**	**28.10**	**25.63**	**27.63**	**26.52**	**27.86**	**27.91**	**27.77**	**28.13**	**27.67**	**27.31**	**27.68**
B37-1	28.63	**37.75**	**0.95**	**27.68**	**26.55**	**27.78**	**27.73**	**27.53**	**27.32**	**27.54**	**24.70**	**26.98**	**26.54**	**27.21**	**27.41**	**27.33**	**27.68**	**26.99**	**26.53**	**26.96**
B37-2	28.76	**16.82**	**0.85**	**27.91**	**26.60**	**28.04**	**27.91**	**28.01**	**27.43**	**27.91**	**25.08**	**27.31**	**26.47**	**27.58**	**27.54**	**27.36**	**28.01**	**27.47**	**27.29**	**27.37**
B38-1	28.24	**39.40**	**2.92**	**25.32**	**23.10**	**25.64**	**24.91**	**25.26**	**24.10**	**25.31**	**20.04**	**24.14**	**23.05**	**24.77**	**24.72**	**24.69**	**25.04**	**24.17**	**22.68**	**23.94**
B38-2	28.12	**17.35**	**1.40**	**26.72**	**24.25**	**26.90**	**26.77**	**26.80**	**26.07**	**26.69**	**21.30**	**26.32**	**24.11**	**26.60**	**26.62**	**26.77**	**26.87**	**26.58**	**26.44**	**26.38**
B39	29.09	**17.50**	**4.52**	**24.57**	**25.07**	**24.81**	**24.79**	**24.74**	**22.87**	**24.86**	**18.09**	**23.01**	**22.09**	**23.74**	**23.79**	**23.59**	**25.09**	**23.85**	**17.86**	**22.65**
B40-1	27.77	**29.60**	**4.87**	**22.90**	**19.97**	**23.18**	**22.21**	**22.82**	**20.81**	**23.03**	**15.47**	**21.32**	**19.97**	**22.02**	**21.47**	**21.8**	**22.37**	**20.89**	**17.84**	**19.67**
B40-2	27.67	**17.43**	**3.43**	**24.24**	**20.97**	**24.41**	**23.82**	**24.00**	**22.01**	**24.27**	**15.59**	**23.27**	**21.32**	**23.77**	**23.07**	**23.62**	**24.37**	**23.53**	**20.75**	**20.83**
B41-1	29.16	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**20.21**	**20.51**	**18.74**	**15.56**	**18.5**
B41-2	29.27	**17.83**	**5.06**	**24.21**	**20.92**	**24.43**	**23.76**	**24.05**	**21.99**	**24.33**	**15.39**	**23.37**	**20.77**	**23.74**	**23.20**	**23.81**	**24.42**	**23.46**	**16.15**	**21**
B42-1	28.30	**31.65**	**6.40**	**21.90**	**18.85**	**22.15**	**20.56**	**21.56**	**19.46**	**21.56**	**14.40**	**20.25**	**18.66**	**20.74**	**20.38**	**20.81**	**20.59**	**19**	**16.06**	**18.83**
B42-2	28.47	**14.90**	**4.21**	**24.26**	**20.95**	**24.45**	**23.75**	**23.99**	**21.98**	**24.35**	**15.09**	**23.47**	**21.15**	**23.77**	**23.24**	**23.87**	**24.42**	**23.16**	**21.01**	**21.67**
B43-1	28.09	**28.66**	**4.94**	**23.15**	**21.74**	**23.91**	**23.10**	**23.19**	**22.00**	**23.45**	**18.19**	**22.34**	**21.41**	**22.44**	**22.36**	**22.51**	**23.09**	**15.37**	**14.05**	**21.98**
B43-2	28.23	**14.73**	**5.06**	**23.17**	**21.82**	**24.03**	**23.23**	**23.27**	**22.08**	**23.59**	**18.30**	**22.48**	**21.44**	**22.44**	**22.38**	**22.58**	**23.38**	**21.91**	**20.86**	**22.25**
B44	30.03	**14.66**	**6.59**	**23.44**	**22.98**	**24.10**	**24.09**	**23.68**	**23.21**	**23.75**	**20.55**	**23.18**	**22.83**	**23.22**	**23.24**	**23.25**	**23.83**	**22.92**	**23.17**	**23.22**
B45-1	30.28	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**23.85**	**24.23**	**23.39**	**23.29**	**23.69**
B45-2	30.35	**17.60**	**6.59**	**23.76**	**23.35**	**24.22**	**24.26**	**23.95**	**23.41**	**24.02**	**21.70**	**23.50**	**23.30**	**23.46**	**23.55**	**23.53**	**24.3**	**23.36**	**23.84**	**23.62**
B58-1	29.02	**N/A**	**NA**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
B58-2	29.57	**N/A**	**NA**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
B59-1R	32.44	**34.95**	**6.55**	**25.89**	**24.22**	**26.13**	**26.02**	**26.19**	**25.00**	**27.35**	**24.48**	**25.99**	**25.29**	**26.12**	**26.04**	**25.79**	**25.89**	**20.97**	**20.51**	**21.28**
B59-2R	33.12	**17.69**	**7.02**	**26.10**	**24.57**	**26.48**	**26.53**	**26.63**	**25.37**	**27.68**	**25.20**	**26.42**	**25.74**	**26.49**	**26.47**	**26.21**	**26.42**	**20.79**	**20.66**	**21.04**
B60	32.95	**35.75**	**6.88**	**26.07**	**24.40**	**26.27**	**26.24**	**26.35**	**25.16**	**27.55**	**24.85**	**26.25**	**25.79**	**26.27**	**26.22**	**25.9**	**26.1**	**21.74**	**21.5**	**22.05**
B63-1	30.03	**30.37**	**1.45**	**28.58**	**27.17**	**28.76**	**28.03**	**28.53**	**27.18**	**28.60**	**25.72**	**27.83**	**27.23**	**28.13**	**28.15**	**28.05**	**28.58**	**27.66**	**27.15**	**27.86**
B63-2	30.38	**14.40**	**1.80**	**28.58**	**27.18**	**28.55**	**28.13**	**28.57**	**27.36**	**28.45**	**26.03**	**28.13**	**27.40**	**28.27**	**28.20**	**28.1**	**28.43**	**27.82**	**27.42**	**27.97**
B64	28.22	**17.49**	**1.52**	**26.70**	**25.61**	**26.97**	**26.80**	**26.82**	**26.35**	**26.64**	**23.76**	**26.06**	**25.25**	**26.54**	**26.43**	**26.44**	**26.77**	**26.54**	**26.39**	**26.4**
B65	27.97	**17.60**	**3.71**	**24.26**	**20.47**	**24.45**	**23.86**	**24.14**	**24.02**	**24.35**	**19.78**	**23.32**	**21.22**	**23.21**	**23.12**	**23.73**	**24.42**	**23.64**	**15.67**	**20.71**
B67	30.22	**N/A**	**NA**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
B68	32.98	**35.77**	**6.65**	**26.33**	**25.28**	**26.87**	**26.46**	**26.59**	**25.99**	**27.50**	**24.73**	**26.28**	**26.00**	**26.74**	**26.79**	**26.18**	**26.68**	**22.83**	**22.26**	**23.14**
FA-1B	32.22	**97.95**	**11.07**	**21.15**	**18.13**	**24.89**	**18.96**	**21.11**	**19.04**	**21.19**	**13.77**	**18.42**	**17.97**	**20.10**	**NA**	**19.07**	**18.82**	**17.31**	**15.11**	**18.12**
FA-2C	28.10	**74.40**	**10.56**	**17.54**	**14.39**	**17.81**	**15.67**	**17.31**	**15.52**	**17.97**	**9.75**	**15.30**	**13.81**	**16.15**	**15.54**	**15.6**	**15.45**	**13**	**10.41**	**13.24**
MO5-B	29.80	**35.83**	**8.48**	**21.32**	**18.28**	**22.21**	**24.58**	**21.05**	**18.87**	**21.36**	**13.95**	**19.65**	**18.05**	**20.00**	**19.82**	**19.8**	**19.95**	**17.54**	**14.78**	**17.59**
B70-1	31.03	**38.18**	**6.22**	**24.81**	**23**	**22.91**	**23.01**	**23.04**	**22.39**	**23.73**	**19.7**	**23.03**	**22.88**	**22.03**	**21.15**	**23.53**	**24.03**	**23.13**	**22.76**	**23.02**
B70-2	31.51	**21.93**	**6.11**	**25.40**	**23.76**	**24.18**	**23.16**	**23.46**	**22.63**	**24.21**	**19.68**	**23.41**	**23.36**	**22.19**	**21.42**	**24.01**	**24.61**	**23.71**	**23.31**	**23.49**
B71	30.75	**21.38**	**5.19**	**25.56**	**23.33**	**22.04**	**20.79**	**21.46**	**21.08**	**23.5**	**20.56**	**23.7**	**23.19**	**21.75**	**21.13**	**24.15**	**24.05**	**23.55**	**22.88**	**23.94**
B72	28.93	**21.77**	**3.67**	**25.26**	**22.51**	**19.82**	**20.67**	**21.16**	**20.93**	**22**	**20.64**	**23.08**	**22.93**	**21.71**	**21.01**	**23.66**	**23.53**	**23.13**	**23.03**	**23.44**
B73-1	29.20	**37.35**	**4.63**	**24.57**	**19.97**	**18.91**	**21.01**	**21.6**	**21.09**	**22.24**	**19.4**	**22.45**	**21.83**	**21.29**	**20.24**	**22.5**	**22.7**	**22**	**21.03**	**22.3**
B73-2	28.95	**20.38**	**3.63**	**25.32**	**22.93**	**20.33**	**21.71**	**22**	**21.36**	**22.42**	**20.25**	**23.02**	**22.56**	**21.75**	**20.98**	**23.21**	**23.35**	**22.75**	**22.71**	**23.3**
B74	33.78	**21.40**	**7.79**	**25.99**	**24.33**	**20.07**	**20.43**	**18.87**	**20.31**	**19.85**	**21.77**	**29.53**	**28.2**	**29.03**	**29.13**	**28.55**	**29.48**	**28.78**	**30.16**	**23.73**
B75	31.62	**29.95**	**4.63**	**26.99**	**25.42**	**22.33**	**21.51**	**20.87**	**21.6**	**21.2**	**22.12**	**24.27**	**23.42**	**21.62**	**19.99**	**24.61**	**23.12**	**23.87**	**21.45**	**23.43**
F-MB	33.88	**101.10**	**13.33**	**20.55**	**17.68**	**20.48**	**18.57**	**20.38**	**18.37**	**20.62**	**13.27**	**17.93**	**17.32**	**19.42**	**18.98**	**18.6**	**18.53**	**17.08**	**14.79**	**17.71**
B82-1	30.78	**38.63**	**7.15**	**23.63**	**22.48**	**24.28**	**23.83**	**23.78**	**22.77**	**24.04**	**19.78**	**23.03**	**22.48**	**22.95**	23.15					
B85	27.07	**43.30**	**5.80**	**21.27**	**18.25**	**21.59**	**19.99**	**21.07**	**18.89**	**21.31**	**13.94**	**18.93**	**17.96**	**19.99**	17.28					
B85-6	27.02	**54.45**	**5.82**	**21.20**	**18.14**	**21.52**	**19.99**	**20.97**	**18.84**	**21.19**	**13.84**	**18.87**	**17.86**	**19.89**	19.6					
B87-6	29.37	**53.10**	**8.56**	**20.81**	**17.87**	**20.87**	**19**	**20.49**	**18.43**	**20.82**	**13.64**	**18.42**	**17.57**	**19.47**	19.19					
B5-28	31.07	**29.42**	**2.35**	**28.72**	**31.07**															
B5-37B	29.94	**28.75**	**1.70**	**28.24**	**29.94**															
B37-3	31.17	**37.20**	**4.30**	**26.87**	**31.17**															
B37-6	32.93	**39.90**	**5.90**	**27.03**																
B37-8	31.23	**37.00**	**4.75**	**26.48**																
B37-13	31.86	**37.70**	**4.76**	**27.10**																
MW100-6	31.71	**53.85**	**8.30**	**23.41**	**31.71**															
TMW-2A	31.99	**38.58**	**3.37**	**28.62**	**31.99**															
TMW-2B	31.88	**48.49**	**8.18**	**23.70**	**31.88**															
TMW-3A	32.81	**38.15**	**4.23**	**28.58**																
TMW-3B	29.09	**44.05**	**1.95**	**27.14**																

TMW-4B	32.57	**47.80**	**6.92**	**25.65**	**32.57**

MONITOR WELL WATER LEVEL
TOMOKA FARMS ROAD LANDFILL

Current month collection date: 1/4/2021
Sampled by: DI, BF

SW ID	January 2021 Staff Gauge	May 2020 Staff Gauge	November 2019 Staff Gauge	May 2019 Staff Gauge	November 2018 Staff Gauge	May 2018 Staff Gauge	November 2017 Staff Gauge	May 2017 Staff Gauge	November 2016 Staff Gauge	May 2016 Staff Gauge	November 2015 Staff Gauge	May 2015 Staff Gauge	May 2014 Staff Gauge	November 2013 Staff Gauge	May 2013 Staff Gauge	November 2012 Staff Gauge	April 2012 Staff Gauge
SW-1	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**Dry**	**4.05**	**2.7**	**1.7**	**0.9**	**1.89**
SW-2	**NA**	**NA**	**NA**	**NA**	**NA**	**2.75**	**5.60**	**1.70**	**5.05**	**4.50**	**4.95**	**5.05**	**5.15**	**5.40**	**4.05**	**2.78**	**4.23**
SW-3	**2.10**	**NA**	**2.30**	**NA**	**NA**	**NA**	**2.15**	**NA**	**1.50**	**NA**	**1.70**	**1.15**	**1.60**	**2.10**	**1.70**	**0.00**	**1.28**
SW-4	**3.75**	**1.90**	**NA**	**1.60**	**2.90**	**NA**	**3.60**	**NA**	**3.10**	**2.55**	**2.90**	**3.05**	**3.15**	**3.30**	**2.00**	**0.75**	**2.25**
SW-5	**4.25**	**3.10**	**3.80**	**4.10**	**4.30**	**3.90**	**4.45**	**1.70**	**4.00**	**3.90**	**4.00**	**2.85**	**3.95**	**3.20**	**0.20**	**2.15**	**0.68**
SW-11	**NA**	**2.60**	**2.60**	**2.75**	**NA**	**3.10**	**1.15**	**4.95**	**5.85**	**NA**	**4.25**	**1.05**	**NA**	**5.56**	**NA**	**2.3**	**5.7**
SW-12	**4.00**	**NA**	**4.30**	**4.40**	**4.50**	**3.20**	**5.90**	**3.05**	**4.50**	**3.60**	**4.45**	**4.25**	**4.15**	**4.30**	**4.20**	**3.98**	**4.3**
North Leachate Pond	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**5.8**
South Leachate Pond	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**dry**

Created by: Jeff Baylor, Project Manager

Report

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

January 19, 2021

Ms. Jennifer Stirk
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Port Orange, FL 32128

RE: Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Dear Ms. Stirk:

Enclosed are the analytical results for sample(s) received by the laboratory on January 05, 2021. 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 - Green Bay
- Pace Analytical Services - Ormond Beach

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

Sincerely,

Jeff Baylor

Jeff Baylor
jeff.baylor@pacelabs.com
(386)672-5668
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.

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

CERTIFICATIONS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

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Ormond Beach, FL 32174
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SAMPLE SUMMARY

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35602272001	**SW-3**	Water	01/05/21 12:50	01/05/21 16:25
35602272002	**SW-11**	Water	01/05/21 13:20	01/05/21 16:25
35602272003	**SW-12**	Water	01/05/21 13:40	01/05/21 16:25
35602272004	**SW-1**	Water	01/05/21 14:10	01/05/21 16:25
35602272005	**SW-5**	Water	01/05/21 14:40	01/05/21 16:25
35602272006	**SW-2**	Water	01/05/21 15:05	01/05/21 16:25
35602272007	**SW-4**	Water	01/05/21 15:30	01/05/21 16:25
35602272008	**TRIP BLANK 1/5/21**	Water	01/05/21 00:00	01/05/21 16:25

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35602272001	**SW-3**	EPA 1631E	LMS	1	PASI-G
		EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	9	PASI-O
		EPA 6020	SLG	9	PASI-O
		SM 9222D	MEB	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		SM 2540D	WW1	1	PASI-O
		SM 5210B	MCD	1	PASI-O
		SM10200	BCM	1	PASI-O
		TKN+NOx Calculation	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 351.2	LNR	1	PASI-O
		EPA 353.2	RRB	2	PASI-O
		EPA 365.4	LNR	1	PASI-O
		EPA 410.4	MEB	1	PASI-O
		SM 5310B	ARH	1	PASI-O
		FLDEP SOP 10/03/83	RRB	1	PASI-O
35602272002	**SW-11**	EPA 1631E	LMS	1	PASI-G
		EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	9	PASI-O
		EPA 6020	SLG	9	PASI-O
		SM 9222D	MEB	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		SM 2540D	WW1	1	PASI-O
		SM 5210B	MCD	1	PASI-O
		SM10200	BCM	1	PASI-O
		TKN+NOx Calculation	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 351.2	LNR	1	PASI-O
		EPA 353.2	RRB	2	PASI-O
		EPA 365.4	LNR	1	PASI-O
		EPA 410.4	MEB	1	PASI-O
		SM 5310B	ARH	1	PASI-O
		FLDEP SOP 10/03/83	RRB	1	PASI-O
35602272003	**SW-12**	EPA 1631E	LMS	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	9	PASI-O
		EPA 6020	SLG	9	PASI-O
		SM 9222D	MEB	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		SM 2540D	WW1	1	PASI-O
		SM 5210B	MCD	1	PASI-O
		SM10200	BCM	1	PASI-O
		TKN+NOx Calculation	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 351.2	LNR	1	PASI-O
		EPA 353.2	RRB	2	PASI-O
		EPA 365.4	LNR	1	PASI-O
		EPA 410.4	MEB	1	PASI-O
		SM 5310B	ARH	1	PASI-O
		FLDEP SOP 10/03/83	RRB	1	PASI-O
35602272004	**SW-1**	EPA 1631E	LMS	1	PASI-G
		EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	9	PASI-O
		EPA 6020	SLG	9	PASI-O
		SM 9222D	MEB	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		SM 2540D	WW1	1	PASI-O
		SM 5210B	MCD	1	PASI-O
		SM10200	BCM	1	PASI-O
		TKN+NOx Calculation	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 351.2	LNR	1	PASI-O
		EPA 353.2	RRB	2	PASI-O
		EPA 365.4	LNR	1	PASI-O
		EPA 410.4	MEB	1	PASI-O
		SM 5310B	ARH	1	PASI-O
		FLDEP SOP 10/03/83	RRB	1	PASI-O
35602272005	**SW-5**	EPA 1631E	LMS	1	PASI-G
		EPA 8011	TSW	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	CS2	9	PASI-O
		EPA 6020	SLG	9	PASI-O
		SM 9222D	MEB	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		SM 2540D	RAK	1	PASI-O
		SM 5210B	MCD	1	PASI-O
		SM10200	BCM	1	PASI-O
		TKN+NOx Calculation	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 351.2	LNR	1	PASI-O
		EPA 353.2	RRB	2	PASI-O
		EPA 365.4	LNR	1	PASI-O
		EPA 410.4	MEB	1	PASI-O
		SM 5310B	ARH	1	PASI-O
		FLDEP SOP 10/03/83	RRB	1	PASI-O
35602272006	**SW-2**	EPA 1631E	LMS	1	PASI-G
		EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	9	PASI-O
		EPA 6020	SLG	9	PASI-O
		SM 9222D	MEB	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		SM 2540D	RAK	1	PASI-O
		SM 5210B	MCD	1	PASI-O
		SM10200	BCM	1	PASI-O
		TKN+NOx Calculation	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 351.2	LNR	1	PASI-O
		EPA 353.2	RRB	2	PASI-O
		EPA 365.4	LNR	1	PASI-O
		EPA 410.4	MEB	1	PASI-O
		SM 5310B	ARH	1	PASI-O
		FLDEP SOP 10/03/83	RRB	1	PASI-O
35602272007	**SW-4**	EPA 1631E	LMS	1	PASI-G
		EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	9	PASI-O

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8 East Tower Circle
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(386)672-5668

SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020	SLG	9	PASI-O
		SM 9222D	MEB	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		SM 2540D	RAK	1	PASI-O
		SM 5210B	MCD	1	PASI-O
		SM10200	BCM	1	PASI-O
		TKN+NOx Calculation	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 351.2	LNR	1	PASI-O
		EPA 353.2	RRB	2	PASI-O
		EPA 365.4	LNR	1	PASI-O
		EPA 410.4	MEB	1	PASI-O
		SM 5310B	ARH	1	PASI-O
		FLDEP SOP 10/03/83	RRB	1	PASI-O
35602272008	**TRIP BLANK 1/5/21**	EPA 8260	AST	50	PASI-O

PASI-G = Pace Analytical Services - Green Bay
PASI-O = Pace Analytical Services - Ormond Beach

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

SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35602272001	**SW-3**					
EPA 1631E	Mercury	0.00147	ug/L	0.00050	01/18/21 09:36	
	Field pH	6.72	Std. Units		01/05/21 12:50	
	Field Temperature	17.71	deg C		01/05/21 12:50	
	Appearance	Color Yellow, Sheen: none			01/05/21 12:50	
	Field Specific Conductance	249	umhos/cm		01/05/21 12:50	
	Oxygen, Dissolved	4.64	mg/L		01/05/21 12:50	
	REDOX	173.2	mV		01/05/21 12:50	
	Turbidity	2.94	NTU		01/05/21 12:50	
EPA 6010	Barium	17.2	ug/L	10.0	01/12/21 02:03	
EPA 6010	Chromium	3.1 I	ug/L	5.0	01/12/21 02:03	
EPA 6010	Iron	783	ug/L	40.0	01/12/21 02:03	
EPA 6010	Sodium	16.1	mg/L	2.0	01/12/21 02:03	
EPA 6010	Tot Hardness asCaCO3 (SM 2340B	74.6	mg/L	3.2	01/12/21 02:03	
EPA 6020	Arsenic	1.3	ug/L	1.0	01/06/21 21:44	
SM 9222D	Fecal Coliforms	11.0	CFU/100 mL	1.0	01/06/21 16:49	
SM 2540C	Total Dissolved Solids	171	mg/L	5.0	01/06/21 12:23	
SM10200	Chlorophyll a	8.0	ug/L	6.2	01/18/21 12:51	
TKN+NOx Calculation	Total Nitrogen	1.4	mg/L	0.50	01/11/21 16:23	
EPA 350.1	Nitrogen, Ammonia	0.17	mg/L	0.050	01/06/21 16:38	
EPA 351.2	Nitrogen, Kjeldahl, Total	1.4	mg/L	0.50	01/11/21 09:18	
EPA 365.4	Phosphorus, Total (as P)	0.084 I	mg/L	0.10	01/11/21 09:18	
EPA 410.4	Chemical Oxygen Demand	85.9	mg/L	20.0	01/08/21 10:37	
SM 5310B	Total Organic Carbon	24.6	mg/L	1.0	01/12/21 20:33	
35602272002	**SW-11**					
	Field pH	7.44	Std. Units		01/05/21 13:20	
	Field Temperature	17.73	deg C		01/05/21 13:20	
	Appearance	Color: yellow, Sheen: none			01/05/21 13:20	
	Field Specific Conductance	395	umhos/cm		01/05/21 13:20	
	Oxygen, Dissolved	7.01	mg/L		01/05/21 13:20	
	REDOX	157.7	mV		01/05/21 13:20	
	Turbidity	13.2	NTU		01/05/21 13:20	
EPA 6010	Barium	29.3	ug/L	10.0	01/12/21 02:06	
EPA 6010	Iron	245	ug/L	40.0	01/12/21 02:06	
EPA 6010	Nickel	3.2 I	ug/L	5.0	01/12/21 02:06	
EPA 6010	Sodium	34.9	mg/L	2.0	01/12/21 02:06	
EPA 6010	Tot Hardness asCaCO3 (SM 2340B	142	mg/L	3.2	01/12/21 02:06	
EPA 6010	Vanadium	5.7 I	ug/L	10.0	01/12/21 02:06	
EPA 6020	Antimony	1.2	ug/L	1.0	01/06/21 21:47	
EPA 6020	Arsenic	2.7	ug/L	1.0	01/06/21 21:47	
EPA 6020	Copper	0.96 I	ug/L	1.0	01/06/21 21:47	
EPA 6020	Lead	0.52 I	ug/L	1.0	01/06/21 21:47	
SM 9222D	Fecal Coliforms	60.0	CFU/100 mL	1.0	01/06/21 16:49	Z

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35602272002	**SW-11**					
SM 2540C	Total Dissolved Solids	341	mg/L	5.0	01/06/21 12:24	
SM 2540D	Total Suspended Solids	7.0	mg/L	5.0	01/06/21 14:42	PP
SM10200	Chlorophyll a	17.3	ug/L	5.0	01/18/21 12:58	
TKN+NOx Calculation	Total Nitrogen	2.0	mg/L	0.50	01/11/21 16:23	
EPA 351.2	Nitrogen, Kjeldahl, Total	1.3	mg/L	0.50	01/11/21 09:19	
EPA 353.2	Nitrogen, NO2 plus NO3	0.68	mg/L	0.050	01/06/21 11:30	
EPA 353.2	Nitrogen, Nitrate	0.68	mg/L	0.050	01/06/21 11:30	
EPA 410.4	Chemical Oxygen Demand	58.1	mg/L	20.0	01/08/21 10:37	
SM 5310B	Total Organic Carbon	15.4	mg/L	1.0	01/12/21 21:20	
35602272003	**SW-12**					
EPA 1631E	Mercury	0.000788	ug/L	0.00050	01/18/21 09:49	
	Field pH	8.25	Std. Units		01/05/21 13:40	
	Field Temperature	19.88	deg C		01/05/21 13:40	
	Appearance	Color: yellow, Sheen: none			01/05/21 13:40	
	Field Specific Conductance	389	umhos/cm		01/05/21 13:40	
	Oxygen, Dissolved	7.85	mg/L		01/05/21 13:40	
	REDOX	143.4	mV		01/05/21 13:40	
	Turbidity	14.9	NTU		01/05/21 13:40	
EPA 6010	Barium	32.3	ug/L	10.0	01/12/21 02:09	
EPA 6010	Iron	221	ug/L	40.0	01/12/21 02:09	
EPA 6010	Nickel	3.0 I	ug/L	5.0	01/12/21 02:09	
EPA 6010	Sodium	35.3	mg/L	2.0	01/12/21 02:09	
EPA 6010	Tot Hardness asCaCO3 (SM 2340B	144	mg/L	3.2	01/12/21 02:09	
EPA 6010	Vanadium	7.5 I	ug/L	10.0	01/12/21 02:09	
EPA 6020	Antimony	1.3	ug/L	1.0	01/06/21 21:54	
EPA 6020	Arsenic	2.9	ug/L	1.0	01/06/21 21:54	
EPA 6020	Copper	0.99 I	ug/L	1.0	01/06/21 21:54	
EPA 6020	Lead	0.60 I	ug/L	1.0	01/06/21 21:54	
SM 9222D	Fecal Coliforms	19.0	CFU/100 mL	1.0	01/06/21 16:49	
SM 2540C	Total Dissolved Solids	320	mg/L	5.0	01/06/21 12:24	
SM 2540D	Total Suspended Solids	8.5	mg/L	5.0	01/06/21 14:42	PP
SM10200	Chlorophyll a	16.8	ug/L	5.0	01/18/21 13:01	
TKN+NOx Calculation	Total Nitrogen	2.0	mg/L	0.50	01/11/21 16:24	
EPA 351.2	Nitrogen, Kjeldahl, Total	1.2	mg/L	0.50	01/11/21 09:54	
EPA 353.2	Nitrogen, NO2 plus NO3	0.81	mg/L	0.050	01/06/21 11:33	
EPA 353.2	Nitrogen, Nitrate	0.81	mg/L	0.050	01/06/21 11:33	
EPA 410.4	Chemical Oxygen Demand	51.9	mg/L	20.0	01/08/21 10:37	J(M1)
SM 5310B	Total Organic Carbon	14.8	mg/L	1.0	01/12/21 21:35	
35602272004	**SW-1**					
	Field pH	7.85	Std. Units		01/05/21 14:10	
	Field Temperature	19.14	deg C		01/05/21 14:10	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35602272004	**SW-1**					
	Appearance	Color: yellow, Sheen: none			01/05/21 14:10	
	Field Specific Conductance	143	umhos/cm		01/05/21 14:10	
	Oxygen, Dissolved	7.77	mg/L		01/05/21 14:10	
	REDOX	99.9	mV		01/05/21 14:10	
	Turbidity	2.16	NTU		01/05/21 14:10	
EPA 6010	Barium	10.9	ug/L	10.0	01/12/21 02:12	
EPA 6010	Sodium	3.8	mg/L	2.0	01/12/21 02:12	
EPA 6010	Tot Hardness asCaCO3 (SM 2340B	82.0	mg/L	3.2	01/12/21 02:12	
EPA 6010	Vanadium	1.0 I	ug/L	10.0	01/12/21 02:12	
SM 2540C	Total Dissolved Solids	104	mg/L	5.0	01/06/21 12:24	
SM 2540D	Total Suspended Solids	9.0	mg/L	5.0	01/06/21 14:42	PP
SM10200	Chlorophyll a	10.5	ug/L	5.0	01/18/21 13:04	
TKN+NOx Calculation	Total Nitrogen	0.31 I	mg/L	0.50	01/11/21 16:24	
EPA 351.2	Nitrogen, Kjeldahl, Total	0.30 I	mg/L	0.50	01/11/21 09:58	
EPA 410.4	Chemical Oxygen Demand	21.3	mg/L	20.0	01/08/21 10:37	
SM 5310B	Total Organic Carbon	5.1	mg/L	1.0	01/12/21 21:50	
35602272005	**SW-5**					
EPA 1631E	Mercury	0.000214 I	ug/L	0.00050	01/18/21 10:02	
	Field pH	7.16	Std. Units		01/05/21 14:40	
	Field Temperature	17.79	deg C		01/05/21 14:40	
	Appearance	Color: yellow, Sheen: none			01/05/21 14:40	
	Field Specific Conductance	367	umhos/cm		01/05/21 14:40	
	Oxygen, Dissolved	8.16	mg/L		01/05/21 14:40	
	REDOX	147.6	mV		01/05/21 14:40	
	Turbidity	5.79	NTU		01/05/21 14:40	
EPA 6010	Barium	33.2	ug/L	10.0	01/12/21 02:15	
EPA 6010	Iron	1230	ug/L	40.0	01/12/21 02:15	
EPA 6010	Sodium	29.8	mg/L	2.0	01/12/21 02:15	
EPA 6010	Tot Hardness asCaCO3 (SM 2340B	173	mg/L	3.2	01/12/21 02:15	
EPA 6010	Vanadium	1.3 I	ug/L	10.0	01/12/21 02:15	
EPA 6020	Arsenic	1.0	ug/L	1.0	01/06/21 21:58	
SM 9222D	Fecal Coliforms	111	CFU/100 mL	1.0	01/06/21 16:49	B
SM 2540C	Total Dissolved Solids	288	mg/L	5.0	01/06/21 12:24	
SM 2540D	Total Suspended Solids	7.0	mg/L	5.0	01/07/21 14:49	PP
SM 5210B	BOD, 5 day	5.9	mg/L	2.0	01/11/21 15:06	
SM10200	Chlorophyll a	91.0	ug/L	5.0	01/18/21 13:06	
TKN+NOx Calculation	Total Nitrogen	1.5	mg/L	0.50	01/11/21 16:24	
EPA 350.1	Nitrogen, Ammonia	0.054	mg/L	0.050	01/06/21 16:44	
EPA 351.2	Nitrogen, Kjeldahl, Total	1.4	mg/L	0.50	01/11/21 09:59	
EPA 353.2	Nitrogen, NO2 plus NO3	0.13	mg/L	0.050	01/06/21 16:35	
EPA 353.2	Nitrogen, Nitrate	0.13	mg/L	0.050	01/06/21 16:35	
EPA 410.4	Chemical Oxygen Demand	71.4	mg/L	20.0	01/08/21 10:37	

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

SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35602272005	**SW-5**					
SM 5310B	Total Organic Carbon	18.9	mg/L	1.0	01/12/21 22:05	
35602272006	**SW-2**					
EPA 1631E	Mercury	0.000338 I	ug/L	0.00050	01/18/21 10:08	
	Field pH	6.38	Std. Units		01/05/21 15:05	
	Field Temperature	13.80	deg C		01/05/21 15:05	
	Appearance	Color: yellow, Sheen: none			01/05/21 15:05	
	Field Specific Conductance	281	umhos/cm		01/05/21 15:05	
	Oxygen, Dissolved	4.57	mg/L		01/05/21 15:05	
	REDOX	136.5	mV		01/05/21 15:05	
	Turbidity	2.01	NTU		01/05/21 15:05	
EPA 6010	Barium	19.2	ug/L	10.0	01/12/21 02:19	
EPA 6010	Iron	284	ug/L	40.0	01/12/21 02:19	
EPA 6010	Sodium	18.5	mg/L	2.0	01/12/21 02:19	
EPA 6010	Tot Hardness asCaCO3 (SM 2340B	129	mg/L	3.2	01/12/21 02:19	
EPA 6020	Arsenic	0.87 I	ug/L	1.0	01/06/21 22:01	
SM 9222D	Fecal Coliforms	60.0	CFU/100 mL	1.0	01/06/21 16:49	Z
SM 2540C	Total Dissolved Solids	240	mg/L	5.0	01/06/21 12:24	
SM 2540D	Total Suspended Solids	12.0	mg/L	5.0	01/07/21 14:49	PP
SM 5210B	BOD, 5 day	2.2	mg/L	2.0	01/11/21 15:09	
SM10200	Chlorophyll a	47.4	ug/L	5.0	01/18/21 13:09	
TKN+NOx Calculation	Total Nitrogen	2.8	mg/L	0.50	01/11/21 16:24	
EPA 350.1	Nitrogen, Ammonia	2.0	mg/L	0.050	01/06/21 16:46	
EPA 351.2	Nitrogen, Kjeldahl, Total	2.8	mg/L	0.50	01/11/21 10:00	
EPA 353.2	Nitrogen, NO2 plus NO3	0.052	mg/L	0.050	01/06/21 16:44	
EPA 353.2	Nitrogen, Nitrate	0.052	mg/L	0.050	01/06/21 16:44	
EPA 365.4	Phosphorus, Total (as P)	0.13	mg/L	0.10	01/11/21 10:00	
EPA 410.4	Chemical Oxygen Demand	47.6	mg/L	20.0	01/08/21 10:37	
SM 5310B	Total Organic Carbon	14.6	mg/L	1.0	01/12/21 22:21	
35602272007	**SW-4**					
EPA 1631E	Mercury	0.000651	ug/L	0.00050	01/18/21 10:15	
	Field pH	6.02	Std. Units		01/05/21 15:30	
	Field Temperature	14.17	deg C		01/05/21 15:30	
	Appearance	Color: yellow, Sheen: none			01/05/21 15:30	
	Field Specific Conductance	316	umhos/cm		01/05/21 15:30	
	Oxygen, Dissolved	3.71	mg/L		01/05/21 15:30	
	REDOX	15.3	mV		01/05/21 15:30	
	Turbidity	3.21	NTU		01/05/21 15:30	
EPA 6010	Barium	27.0	ug/L	10.0	01/12/21 02:22	
EPA 6010	Iron	315	ug/L	40.0	01/12/21 02:22	
EPA 6010	Sodium	20.5	mg/L	2.0	01/12/21 02:22	
EPA 6010	Tot Hardness asCaCO3 (SM 2340B	141	mg/L	3.2	01/12/21 02:22	

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35602272007	**SW-4**					
EPA 6020	Arsenic	0.78 I	ug/L	1.0	01/06/21 22:03	
SM 9222D	Fecal Coliforms	60.0	CFU/100 mL	1.0	01/06/21 16:49	Z
EPA 8260	Toluene	2.0	ug/L	1.0	01/06/21 07:46	
SM 2540C	Total Dissolved Solids	225	mg/L	5.0	01/06/21 12:24	
SM 2540D	Total Suspended Solids	19.0	mg/L	5.0	01/07/21 14:49	
SM 5210B	BOD, 5 day	7.1	mg/L	2.0	01/11/21 15:11	
SM10200	Chlorophyll a	23.4	ug/L	5.0	01/18/21 13:12	
TKN+NOx Calculation	Total Nitrogen	7.9	mg/L	0.50	01/11/21 16:24	
EPA 350.1	Nitrogen, Ammonia	5.7	mg/L	0.050	01/06/21 16:48	
EPA 351.2	Nitrogen, Kjeldahl, Total	7.9	mg/L	0.50	01/11/21 10:01	
EPA 365.4	Phosphorus, Total (as P)	0.77	mg/L	0.10	01/11/21 10:01	
EPA 410.4	Chemical Oxygen Demand	81.6	mg/L	20.0	01/08/21 10:37	
SM 5310B	Total Organic Carbon	18.1	mg/L	1.0	01/12/21 22:36	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-3 **Lab ID: 35602272001** Collected: 01/05/21 12:50 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
1631E Mercury, Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E Pace Analytical Services - Green Bay								
Mercury	**0.00147**	ug/L	0.00050	0.00020	1	01/15/21 07:29	01/18/21 09:36	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.72**	Std. Units			1		01/05/21 12:50		
Field Temperature	**17.71**	deg C			1		01/05/21 12:50		
Appearance	**Color Yellow, Sheen: none**				1		01/05/21 12:50		
Field Specific Conductance	**249**	umhos/cm			1		01/05/21 12:50		
Oxygen, Dissolved	**4.64**	mg/L			1		01/05/21 12:50	7782-44-7	
REDOX	**173.2**	mV			1		01/05/21 12:50		
Turbidity	**2.94**	NTU			1		01/05/21 12:50		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/06/21 14:40	01/06/21 23:02	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.0099	0.0075	1	01/06/21 14:40	01/06/21 23:02	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**17.2**	ug/L	10.0	0.84	1	01/06/21 11:48	01/12/21 02:03	7440-39-3	
Chromium	**3.1 I**	ug/L	5.0	1.7	1	01/06/21 11:48	01/12/21 02:03	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/06/21 11:48	01/12/21 02:03	7440-48-4	
Iron	**783**	ug/L	40.0	25.0	1	01/06/21 11:48	01/12/21 02:03	7439-89-6	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/06/21 11:48	01/12/21 02:03	7440-02-0	
Sodium	**16.1**	mg/L	2.0	0.54	1	01/06/21 11:48	01/12/21 02:03	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**74.6**	mg/L	3.2	0.51	1	01/06/21 11:48	01/12/21 02:03		
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	01/06/21 11:48	01/12/21 02:03	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/06/21 11:48	01/12/21 02:03	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	01/06/21 11:48	01/06/21 21:44	7440-36-0	
Arsenic	**1.3**	ug/L	1.0	0.50	1	01/06/21 11:48	01/06/21 21:44	7440-38-2	
Beryllium	**0.033 U**	ug/L	0.10	0.033	1	01/06/21 11:48	01/06/21 21:44	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	01/06/21 11:48	01/06/21 21:44	7440-43-9	
Copper	**0.93 U**	ug/L	1.0	0.93	1	01/06/21 11:48	01/06/21 21:44	7440-50-8	
Lead	**0.22 U**	ug/L	1.0	0.22	1	01/06/21 11:48	01/06/21 21:44	7439-92-1	
Selenium	**1.2 U**	ug/L	2.0	1.2	1	01/06/21 11:48	01/06/21 21:44	7782-49-2	J(CU)
Silver	**0.21 U**	ug/L	0.50	0.21	1	01/06/21 11:48	01/06/21 21:44	7440-22-4	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/06/21 11:48	01/06/21 21:44	7440-28-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-3 **Lab ID: 35602272001** Collected: 01/05/21 12:50 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9222D Fecal Coliform	Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Ormond Beach								
Fecal Coliforms	**11.0**	CFU/100 mL	1.0	1.0	1	01/05/21 17:14	01/06/21 16:49		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/06/21 04:08	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/06/21 04:08	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 04:08	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/06/21 04:08	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/06/21 04:08	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/06/21 04:08	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/06/21 04:08	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/06/21 04:08	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/06/21 04:08	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/06/21 04:08	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/06/21 04:08	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/06/21 04:08	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/06/21 04:08	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/06/21 04:08	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/06/21 04:08	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/06/21 04:08	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/06/21 04:08	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/06/21 04:08	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/06/21 04:08	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/06/21 04:08	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/06/21 04:08	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/06/21 04:08	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/06/21 04:08	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/06/21 04:08	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/06/21 04:08	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/06/21 04:08	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/06/21 04:08	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 04:08	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/06/21 04:08	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/06/21 04:08	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/06/21 04:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/06/21 04:08	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/06/21 04:08	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/06/21 04:08	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/06/21 04:08	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/06/21 04:08	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/06/21 04:08	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 04:08	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 04:08	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/06/21 04:08	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/06/21 04:08	75-69-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-3 **Lab ID: 35602272001** Collected: 01/05/21 12:50 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/06/21 04:08	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/06/21 04:08	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/06/21 04:08	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/06/21 04:08	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		01/06/21 04:08	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		01/06/21 04:08	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		01/06/21 04:08	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**171**	mg/L	5.0	5.0	1		01/06/21 12:23		
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		01/06/21 14:41		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	01/06/21 16:43	01/11/21 14:58		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200 Pace Analytical Services - Ormond Beach								
Chlorophyll a	**8.0**	ug/L	6.2	1.3	1	01/06/21 08:51	01/18/21 12:51		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation Pace Analytical Services - Ormond Beach								
Total Nitrogen	**1.4**	mg/L	0.50	0.086	1		01/11/21 16:23		
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.17**	mg/L	0.050	0.035	1		01/06/21 16:38	7664-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Kjeldahl, Total	**1.4**	mg/L	0.50	0.086	1	01/08/21 00:45	01/11/21 09:18	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, NO2 plus NO3	**0.033 U**	mg/L	0.050	0.033	1		01/06/21 11:23		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		01/06/21 11:23	14797-55-8	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-3 **Lab ID: 35602272001** Collected: 01/05/21 12:50 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Ormond Beach								
Phosphorus, Total (as P)	**0.084 I**	mg/L	0.10	0.050	1	01/08/21 00:45	01/11/21 09:18	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**85.9**	mg/L	20.0	12.5	1	01/07/21 14:37	01/08/21 10:37		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**24.6**	mg/L	1.0	0.50	1		01/12/21 20:33	7440-44-0	
Un-ionized Ammonia, Ammonium	Analytical Method: FLDEP SOP 10/03/83 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.020	0.020	1		01/06/21 12:00		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-11 **Lab ID: 35602272002** Collected: 01/05/21 13:20 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
1631E Mercury, Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E Pace Analytical Services - Green Bay								
Mercury	**0.0010 U**	ug/L	0.0025	0.0010	5	01/15/21 07:29	01/18/21 12:55	7439-97-6	D3
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.44**	Std. Units			1		01/05/21 13:20		
Field Temperature	**17.73**	deg C			1		01/05/21 13:20		
Appearance	**Color: yellow, Sheen: none**				1		01/05/21 13:20		
Field Specific Conductance	**395**	umhos/cm			1		01/05/21 13:20		
Oxygen, Dissolved	**7.01**	mg/L			1		01/05/21 13:20	7782-44-7	
REDOX	**157.7**	mV			1		01/05/21 13:20		
Turbidity	**13.2**	NTU			1		01/05/21 13:20		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0061 U**	ug/L	0.019	0.0061	1	01/06/21 14:40	01/06/21 23:17	96-12-8	J(M1)
1,2-Dibromoethane (EDB)	**0.0072 U**	ug/L	0.0096	0.0072	1	01/06/21 14:40	01/06/21 23:17	106-93-4	J(M1)
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**29.3**	ug/L	10.0	0.84	1	01/06/21 11:48	01/12/21 02:06	7440-39-3	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/06/21 11:48	01/12/21 02:06	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/06/21 11:48	01/12/21 02:06	7440-48-4	
Iron	**245**	ug/L	40.0	25.0	1	01/06/21 11:48	01/12/21 02:06	7439-89-6	
Nickel	**3.2 I**	ug/L	5.0	2.1	1	01/06/21 11:48	01/12/21 02:06	7440-02-0	
Sodium	**34.9**	mg/L	2.0	0.54	1	01/06/21 11:48	01/12/21 02:06	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**142**	mg/L	3.2	0.51	1	01/06/21 11:48	01/12/21 02:06		
Vanadium	**5.7 I**	ug/L	10.0	1.0	1	01/06/21 11:48	01/12/21 02:06	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/06/21 11:48	01/12/21 02:06	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**1.2**	ug/L	1.0	0.50	1	01/06/21 11:48	01/06/21 21:47	7440-36-0	
Arsenic	**2.7**	ug/L	1.0	0.50	1	01/06/21 11:48	01/06/21 21:47	7440-38-2	
Beryllium	**0.033 U**	ug/L	0.10	0.033	1	01/06/21 11:48	01/06/21 21:47	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	01/06/21 11:48	01/06/21 21:47	7440-43-9	
Copper	**0.96 I**	ug/L	1.0	0.93	1	01/06/21 11:48	01/06/21 21:47	7440-50-8	
Lead	**0.52 I**	ug/L	1.0	0.22	1	01/06/21 11:48	01/06/21 21:47	7439-92-1	
Selenium	**1.2 U**	ug/L	2.0	1.2	1	01/06/21 11:48	01/06/21 21:47	7782-49-2	J(CU)
Silver	**0.21 U**	ug/L	0.50	0.21	1	01/06/21 11:48	01/06/21 21:47	7440-22-4	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/06/21 11:48	01/06/21 21:47	7440-28-0	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-11 **Lab ID: 35602272002** Collected: 01/05/21 13:20 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9222D Fecal Coliform	Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Ormond Beach								
Fecal Coliforms	**60.0**	CFU/100 mL	1.0	1.0	1	01/05/21 17:14	01/06/21 16:49		Z
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/06/21 05:03	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/06/21 05:03	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 05:03	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/06/21 05:03	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/06/21 05:03	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/06/21 05:03	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/06/21 05:03	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/06/21 05:03	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/06/21 05:03	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/06/21 05:03	56-23-5	J(M1)
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/06/21 05:03	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/06/21 05:03	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/06/21 05:03	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/06/21 05:03	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/06/21 05:03	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/06/21 05:03	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/06/21 05:03	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/06/21 05:03	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/06/21 05:03	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/06/21 05:03	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/06/21 05:03	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/06/21 05:03	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/06/21 05:03	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/06/21 05:03	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/06/21 05:03	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/06/21 05:03	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/06/21 05:03	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 05:03	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/06/21 05:03	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/06/21 05:03	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/06/21 05:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/06/21 05:03	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/06/21 05:03	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/06/21 05:03	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/06/21 05:03	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/06/21 05:03	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/06/21 05:03	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 05:03	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 05:03	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/06/21 05:03	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/06/21 05:03	75-69-4	J(M1)

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-11 **Lab ID: 35602272002** Collected: 01/05/21 13:20 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/06/21 05:03	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/06/21 05:03	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/06/21 05:03	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/06/21 05:03	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		01/06/21 05:03	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		01/06/21 05:03	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		01/06/21 05:03	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**341**	mg/L	5.0	5.0	1		01/06/21 12:24		
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Ormond Beach								
Total Suspended Solids	**7.0**	mg/L	5.0	5.0	1		01/06/21 14:42		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	01/06/21 16:45	01/11/21 15:00		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200 Pace Analytical Services - Ormond Beach								
Chlorophyll a	**17.3**	ug/L	5.0	1.0	1	01/06/21 08:51	01/18/21 12:58		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation Pace Analytical Services - Ormond Beach								
Total Nitrogen	**2.0**	mg/L	0.50	0.086	1		01/11/21 16:23		
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		01/06/21 16:39	7664-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Kjeldahl, Total	**1.3**	mg/L	0.50	0.086	1	01/08/21 00:45	01/11/21 09:19	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, NO2 plus NO3	**0.68**	mg/L	0.050	0.033	1		01/06/21 11:30		
Nitrogen, Nitrate	**0.68**	mg/L	0.050	0.025	1		01/06/21 11:30	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-11 **Lab ID: 35602272002** Collected: 01/05/21 13:20 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Ormond Beach								
Phosphorus, Total (as P)	**0.050 U**	mg/L	0.10	0.050	1	01/08/21 00:45	01/11/21 09:19	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**58.1**	mg/L	20.0	12.5	1	01/07/21 14:37	01/08/21 10:37		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**15.4**	mg/L	1.0	0.50	1		01/12/21 21:20	7440-44-0	
Un-ionized Ammonia, Ammonium	Analytical Method: FLDEP SOP 10/03/83 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.020	0.020	1		01/06/21 12:00		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-12 **Lab ID: 35602272003** Collected: 01/05/21 13:40 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
1631E Mercury, Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E Pace Analytical Services - Green Bay								
Mercury	**0.000788**	ug/L	0.00050	0.00020	1	01/15/21 07:29	01/18/21 09:49	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**8.25**	Std. Units			1		01/05/21 13:40		
Field Temperature	**19.88**	deg C			1		01/05/21 13:40		
Appearance	**Color: yellow, Sheen: none**				1		01/05/21 13:40		
Field Specific Conductance	**389**	umhos/cm			1		01/05/21 13:40		
Oxygen, Dissolved	**7.85**	mg/L			1		01/05/21 13:40	7782-44-7	
REDOX	**143.4**	mV			1		01/05/21 13:40		
Turbidity	**14.9**	NTU			1		01/05/21 13:40		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	01/06/21 14:40	01/07/21 00:03	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	01/06/21 14:40	01/07/21 00:03	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**32.3**	ug/L	10.0	0.84	1	01/06/21 11:48	01/12/21 02:09	7440-39-3	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/06/21 11:48	01/12/21 02:09	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/06/21 11:48	01/12/21 02:09	7440-48-4	
Iron	**221**	ug/L	40.0	25.0	1	01/06/21 11:48	01/12/21 02:09	7439-89-6	
Nickel	**3.0 I**	ug/L	5.0	2.1	1	01/06/21 11:48	01/12/21 02:09	7440-02-0	
Sodium	**35.3**	mg/L	2.0	0.54	1	01/06/21 11:48	01/12/21 02:09	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**144**	mg/L	3.2	0.51	1	01/06/21 11:48	01/12/21 02:09		
Vanadium	**7.5 I**	ug/L	10.0	1.0	1	01/06/21 11:48	01/12/21 02:09	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/06/21 11:48	01/12/21 02:09	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**1.3**	ug/L	1.0	0.50	1	01/06/21 11:48	01/06/21 21:54	7440-36-0	
Arsenic	**2.9**	ug/L	1.0	0.50	1	01/06/21 11:48	01/06/21 21:54	7440-38-2	
Beryllium	**0.033 U**	ug/L	0.10	0.033	1	01/06/21 11:48	01/06/21 21:54	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	01/06/21 11:48	01/06/21 21:54	7440-43-9	
Copper	**0.99 I**	ug/L	1.0	0.93	1	01/06/21 11:48	01/06/21 21:54	7440-50-8	
Lead	**0.60 I**	ug/L	1.0	0.22	1	01/06/21 11:48	01/06/21 21:54	7439-92-1	
Selenium	**1.2 U**	ug/L	2.0	1.2	1	01/06/21 11:48	01/06/21 21:54	7782-49-2	
Silver	**0.21 U**	ug/L	0.50	0.21	1	01/06/21 11:48	01/06/21 21:54	7440-22-4	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/06/21 11:48	01/06/21 21:54	7440-28-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-12 **Lab ID: 35602272003** Collected: 01/05/21 13:40 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9222D Fecal Coliform	Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Ormond Beach								
Fecal Coliforms	**19.0**	CFU/100 mL	1.0	1.0	1	01/05/21 17:14	01/06/21 16:49		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/06/21 05:57	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/06/21 05:57	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 05:57	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/06/21 05:57	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/06/21 05:57	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/06/21 05:57	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/06/21 05:57	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/06/21 05:57	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/06/21 05:57	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/06/21 05:57	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/06/21 05:57	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/06/21 05:57	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/06/21 05:57	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/06/21 05:57	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/06/21 05:57	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/06/21 05:57	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/06/21 05:57	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/06/21 05:57	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/06/21 05:57	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/06/21 05:57	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/06/21 05:57	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/06/21 05:57	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/06/21 05:57	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/06/21 05:57	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/06/21 05:57	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/06/21 05:57	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/06/21 05:57	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 05:57	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/06/21 05:57	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/06/21 05:57	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/06/21 05:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/06/21 05:57	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/06/21 05:57	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/06/21 05:57	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/06/21 05:57	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/06/21 05:57	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/06/21 05:57	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 05:57	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 05:57	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/06/21 05:57	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/06/21 05:57	75-69-4	

REPORT OF LABORATORY ANALYSIS

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-12 **Lab ID: 35602272003** Collected: 01/05/21 13:40 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/06/21 05:57	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/06/21 05:57	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/06/21 05:57	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/06/21 05:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		01/06/21 05:57	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		01/06/21 05:57	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		01/06/21 05:57	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**320**	mg/L	5.0	5.0	1		01/06/21 12:24		
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Ormond Beach								
Total Suspended Solids	**8.5**	mg/L	5.0	5.0	1		01/06/21 14:42		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	01/06/21 16:48	01/11/21 15:02		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200 Pace Analytical Services - Ormond Beach								
Chlorophyll a	**16.8**	ug/L	5.0	1.0	1	01/06/21 08:51	01/18/21 13:01		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation Pace Analytical Services - Ormond Beach								
Total Nitrogen	**2.0**	mg/L	0.50	0.086	1		01/11/21 16:24		
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		01/06/21 16:41	7664-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Kjeldahl, Total	**1.2**	mg/L	0.50	0.086	1	01/08/21 00:45	01/11/21 09:54	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, NO2 plus NO3	**0.81**	mg/L	0.050	0.033	1		01/06/21 11:33		
Nitrogen, Nitrate	**0.81**	mg/L	0.050	0.025	1		01/06/21 11:33	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-12 **Lab ID: 35602272003** Collected: 01/05/21 13:40 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Ormond Beach								
Phosphorus, Total (as P)	**0.050 U**	mg/L	0.10	0.050	1	01/08/21 00:45	01/11/21 09:54	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**51.9**	mg/L	20.0	12.5	1	01/07/21 14:37	01/08/21 10:37		J(M1)
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**14.8**	mg/L	1.0	0.50	1		01/12/21 21:35	7440-44-0	
Un-ionized Ammonia, Ammonium	Analytical Method: FLDEP SOP 10/03/83 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.020	0.020	1		01/06/21 12:00		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-1 **Lab ID: 35602272004** Collected: 01/05/21 14:10 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
1631E Mercury, Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E Pace Analytical Services - Green Bay								
Mercury	**0.0010 U**	ug/L	0.0025	0.0010	5	01/15/21 07:29	01/18/21 13:02	7439-97-6	D3
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.85**	Std. Units			1		01/05/21 14:10		
Field Temperature	**19.14**	deg C			1		01/05/21 14:10		
Appearance	**Color: yellow, Sheen: none**				1		01/05/21 14:10		
Field Specific Conductance	**143**	umhos/cm			1		01/05/21 14:10		
Oxygen, Dissolved	**7.77**	mg/L			1		01/05/21 14:10	7782-44-7	
REDOX	**99.9**	mV			1		01/05/21 14:10		
Turbidity	**2.16**	NTU			1		01/05/21 14:10		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0061 U**	ug/L	0.019	0.0061	1	01/06/21 14:40	01/07/21 00:18	96-12-8	
1,2-Dibromoethane (EDB)	**0.0072 U**	ug/L	0.0096	0.0072	1	01/06/21 14:40	01/07/21 00:18	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**10.9**	ug/L	10.0	0.84	1	01/06/21 11:48	01/12/21 02:12	7440-39-3	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/06/21 11:48	01/12/21 02:12	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/06/21 11:48	01/12/21 02:12	7440-48-4	
Iron	**25.0 U**	ug/L	40.0	25.0	1	01/06/21 11:48	01/12/21 02:12	7439-89-6	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/06/21 11:48	01/12/21 02:12	7440-02-0	
Sodium	**3.8**	mg/L	2.0	0.54	1	01/06/21 11:48	01/12/21 02:12	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**82.0**	mg/L	3.2	0.51	1	01/06/21 11:48	01/12/21 02:12		
Vanadium	**1.0 I**	ug/L	10.0	1.0	1	01/06/21 11:48	01/12/21 02:12	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/06/21 11:48	01/12/21 02:12	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/06/21 11:48	01/06/21 21:56	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/06/21 11:48	01/06/21 21:56	7440-38-2	
Beryllium	**0.033 U**	ug/L	0.10	0.033	1	01/06/21 11:48	01/06/21 21:56	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	01/06/21 11:48	01/06/21 21:56	7440-43-9	
Copper	**0.93 U**	ug/L	1.0	0.93	1	01/06/21 11:48	01/06/21 21:56	7440-50-8	
Lead	**0.22 U**	ug/L	1.0	0.22	1	01/06/21 11:48	01/06/21 21:56	7439-92-1	
Selenium	**1.2 U**	ug/L	2.0	1.2	1	01/06/21 11:48	01/06/21 21:56	7782-49-2	
Silver	**0.21 U**	ug/L	0.50	0.21	1	01/06/21 11:48	01/06/21 21:56	7440-22-4	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/06/21 11:48	01/06/21 21:56	7440-28-0	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-1 **Lab ID: 35602272004** Collected: 01/05/21 14:10 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9222D Fecal Coliform	Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Ormond Beach								
Fecal Coliforms	**1.0 U**	CFU/100 mL	1.0	1.0	1	01/05/21 17:14	01/06/21 16:49		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/06/21 06:24	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/06/21 06:24	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 06:24	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/06/21 06:24	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/06/21 06:24	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/06/21 06:24	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/06/21 06:24	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/06/21 06:24	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/06/21 06:24	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/06/21 06:24	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/06/21 06:24	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/06/21 06:24	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/06/21 06:24	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/06/21 06:24	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/06/21 06:24	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/06/21 06:24	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/06/21 06:24	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/06/21 06:24	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/06/21 06:24	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/06/21 06:24	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/06/21 06:24	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/06/21 06:24	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/06/21 06:24	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/06/21 06:24	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/06/21 06:24	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/06/21 06:24	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/06/21 06:24	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 06:24	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/06/21 06:24	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/06/21 06:24	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/06/21 06:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/06/21 06:24	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/06/21 06:24	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/06/21 06:24	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/06/21 06:24	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/06/21 06:24	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/06/21 06:24	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 06:24	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 06:24	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/06/21 06:24	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/06/21 06:24	75-69-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-1 **Lab ID: 35602272004** Collected: 01/05/21 14:10 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/06/21 06:24	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/06/21 06:24	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/06/21 06:24	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/06/21 06:24	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		01/06/21 06:24	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		01/06/21 06:24	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/06/21 06:24	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**104**	mg/L	5.0	5.0	1		01/06/21 12:24		
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Ormond Beach								
Total Suspended Solids	**9.0**	mg/L	5.0	5.0	1		01/06/21 14:42		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	01/06/21 16:51	01/11/21 15:04		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200 Pace Analytical Services - Ormond Beach								
Chlorophyll a	**10.5**	ug/L	5.0	1.0	1	01/06/21 08:51	01/18/21 13:04		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation Pace Analytical Services - Ormond Beach								
Total Nitrogen	**0.31 I**	mg/L	0.50	0.086	1		01/11/21 16:24		
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		01/06/21 16:43	7664-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Kjeldahl, Total	**0.30 I**	mg/L	0.50	0.086	1	01/08/21 00:45	01/11/21 09:58	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, NO2 plus NO3	**0.033 U**	mg/L	0.050	0.033	1		01/06/21 11:38		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		01/06/21 11:38	14797-55-8	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-1 **Lab ID: 35602272004** Collected: 01/05/21 14:10 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Ormond Beach								
Phosphorus, Total (as P)	**0.050 U**	mg/L	0.10	0.050	1	01/08/21 00:45	01/11/21 09:58	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**21.3**	mg/L	20.0	12.5	1	01/07/21 14:37	01/08/21 10:37		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**5.1**	mg/L	1.0	0.50	1		01/12/21 21:50	7440-44-0	
Un-ionized Ammonia, Ammonium	Analytical Method: FLDEP SOP 10/03/83 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.020	0.020	1		01/06/21 12:00		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-5 **Lab ID: 35602272005** Collected: 01/05/21 14:40 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
1631E Mercury, Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E Pace Analytical Services - Green Bay								
Mercury	**0.000214 I**	ug/L	0.00050	0.00020	1	01/15/21 07:29	01/18/21 10:02	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.16**	Std. Units			1		01/05/21 14:40		
Field Temperature	**17.79**	deg C			1		01/05/21 14:40		
Appearance	**Color: yellow, Sheen: none**				1		01/05/21 14:40		
Field Specific Conductance	**367**	umhos/cm			1		01/05/21 14:40		
Oxygen, Dissolved	**8.16**	mg/L			1		01/05/21 14:40	7782-44-7	
REDOX	**147.6**	mV			1		01/05/21 14:40		
Turbidity	**5.79**	NTU			1		01/05/21 14:40		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0062 U**	ug/L	0.019	0.0062	1	01/06/21 14:40	01/07/21 00:32	96-12-8	
1,2-Dibromoethane (EDB)	**0.0072 U**	ug/L	0.0096	0.0072	1	01/06/21 14:40	01/07/21 00:32	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**33.2**	ug/L	10.0	0.84	1	01/06/21 11:48	01/12/21 02:15	7440-39-3	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/06/21 11:48	01/12/21 02:15	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/06/21 11:48	01/12/21 02:15	7440-48-4	
Iron	**1230**	ug/L	40.0	25.0	1	01/06/21 11:48	01/12/21 02:15	7439-89-6	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/06/21 11:48	01/12/21 02:15	7440-02-0	
Sodium	**29.8**	mg/L	2.0	0.54	1	01/06/21 11:48	01/12/21 02:15	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**173**	mg/L	3.2	0.51	1	01/06/21 11:48	01/12/21 02:15		
Vanadium	**1.3 I**	ug/L	10.0	1.0	1	01/06/21 11:48	01/12/21 02:15	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/06/21 11:48	01/12/21 02:15	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/06/21 11:48	01/06/21 21:58	7440-36-0	
Arsenic	**1.0**	ug/L	1.0	0.50	1	01/06/21 11:48	01/06/21 21:58	7440-38-2	
Beryllium	**0.033 U**	ug/L	0.10	0.033	1	01/06/21 11:48	01/06/21 21:58	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	01/06/21 11:48	01/06/21 21:58	7440-43-9	
Copper	**0.93 U**	ug/L	1.0	0.93	1	01/06/21 11:48	01/06/21 21:58	7440-50-8	
Lead	**0.22 U**	ug/L	1.0	0.22	1	01/06/21 11:48	01/06/21 21:58	7439-92-1	
Selenium	**1.2 U**	ug/L	2.0	1.2	1	01/06/21 11:48	01/06/21 21:58	7782-49-2	
Silver	**0.21 U**	ug/L	0.50	0.21	1	01/06/21 11:48	01/06/21 21:58	7440-22-4	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/06/21 11:48	01/06/21 21:58	7440-28-0	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-5 **Lab ID: 35602272005** Collected: 01/05/21 14:40 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9222D Fecal Coliform	Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Ormond Beach								
Fecal Coliforms	**111**	CFU/100 mL	1.0	1.0	1	01/05/21 17:14	01/06/21 16:49		B
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/06/21 06:51	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/06/21 06:51	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 06:51	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/06/21 06:51	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/06/21 06:51	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/06/21 06:51	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/06/21 06:51	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/06/21 06:51	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/06/21 06:51	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/06/21 06:51	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/06/21 06:51	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/06/21 06:51	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/06/21 06:51	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/06/21 06:51	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/06/21 06:51	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/06/21 06:51	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/06/21 06:51	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/06/21 06:51	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/06/21 06:51	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/06/21 06:51	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/06/21 06:51	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/06/21 06:51	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/06/21 06:51	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/06/21 06:51	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/06/21 06:51	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/06/21 06:51	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/06/21 06:51	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 06:51	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/06/21 06:51	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/06/21 06:51	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/06/21 06:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/06/21 06:51	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/06/21 06:51	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/06/21 06:51	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/06/21 06:51	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/06/21 06:51	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/06/21 06:51	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 06:51	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 06:51	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/06/21 06:51	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/06/21 06:51	75-69-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-5 **Lab ID: 35602272005** Collected: 01/05/21 14:40 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/06/21 06:51	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/06/21 06:51	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/06/21 06:51	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/06/21 06:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		01/06/21 06:51	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		01/06/21 06:51	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/06/21 06:51	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**288**	mg/L	5.0	5.0	1		01/06/21 12:24		
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Ormond Beach								
Total Suspended Solids	**7.0**	mg/L	5.0	5.0	1		01/07/21 14:49		PP
5210B BOD, 5 day	Analytical Method: SM 5210B Pace Analytical Services - Ormond Beach								
BOD, 5 day	**5.9**	mg/L	2.0	2.0	1	01/06/21 16:58	01/11/21 15:06		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200 Pace Analytical Services - Ormond Beach								
Chlorophyll a	**91.0**	ug/L	5.0	1.0	1	01/06/21 08:51	01/18/21 13:06		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation Pace Analytical Services - Ormond Beach								
Total Nitrogen	**1.5**	mg/L	0.50	0.086	1		01/11/21 16:24		
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.054**	mg/L	0.050	0.035	1		01/06/21 16:44	7664-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Kjeldahl, Total	**1.4**	mg/L	0.50	0.086	1	01/08/21 00:45	01/11/21 09:59	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, NO2 plus NO3	**0.13**	mg/L	0.050	0.033	1		01/06/21 16:35		
Nitrogen, Nitrate	**0.13**	mg/L	0.050	0.025	1		01/06/21 16:35	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-5 **Lab ID: 35602272005** Collected: 01/05/21 14:40 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Ormond Beach								
Phosphorus, Total (as P)	**0.050 U**	mg/L	0.10	0.050	1	01/08/21 00:45	01/11/21 09:59	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**71.4**	mg/L	20.0	12.5	1	01/07/21 14:37	01/08/21 10:37		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**18.9**	mg/L	1.0	0.50	1		01/12/21 22:05	7440-44-0	
Un-ionized Ammonia, Ammonium	Analytical Method: FLDEP SOP 10/03/83 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.020	0.020	1		01/06/21 12:00		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-2 **Lab ID: 35602272006** Collected: 01/05/21 15:05 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
1631E Mercury, Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E Pace Analytical Services - Green Bay								
Mercury	**0.000338 I**	ug/L	0.00050	0.00020	1	01/15/21 07:29	01/18/21 10:08	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.38**	Std. Units			1		01/05/21 15:05		
Field Temperature	**13.80**	deg C			1		01/05/21 15:05		
Appearance	**Color: yellow, Sheen: none**				1		01/05/21 15:05		
Field Specific Conductance	**281**	umhos/cm			1		01/05/21 15:05		
Oxygen, Dissolved	**4.57**	mg/L			1		01/05/21 15:05	7782-44-7	
REDOX	**136.5**	mV			1		01/05/21 15:05		
Turbidity	**2.01**	NTU			1		01/05/21 15:05		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0063 U**	ug/L	0.020	0.0063	1	01/06/21 14:40	01/07/21 01:02	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0099	0.0074	1	01/06/21 14:40	01/07/21 01:02	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**19.2**	ug/L	10.0	0.84	1	01/06/21 11:48	01/12/21 02:19	7440-39-3	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/06/21 11:48	01/12/21 02:19	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/06/21 11:48	01/12/21 02:19	7440-48-4	
Iron	**284**	ug/L	40.0	25.0	1	01/06/21 11:48	01/12/21 02:19	7439-89-6	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/06/21 11:48	01/12/21 02:19	7440-02-0	
Sodium	**18.5**	mg/L	2.0	0.54	1	01/06/21 11:48	01/12/21 02:19	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**129**	mg/L	3.2	0.51	1	01/06/21 11:48	01/12/21 02:19		
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	01/06/21 11:48	01/12/21 02:19	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/06/21 11:48	01/12/21 02:19	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/06/21 11:48	01/06/21 22:01	7440-36-0	
Arsenic	**0.87 I**	ug/L	1.0	0.50	1	01/06/21 11:48	01/06/21 22:01	7440-38-2	
Beryllium	**0.033 U**	ug/L	0.10	0.033	1	01/06/21 11:48	01/06/21 22:01	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	01/06/21 11:48	01/06/21 22:01	7440-43-9	
Copper	**0.93 U**	ug/L	1.0	0.93	1	01/06/21 11:48	01/06/21 22:01	7440-50-8	
Lead	**0.22 U**	ug/L	1.0	0.22	1	01/06/21 11:48	01/06/21 22:01	7439-92-1	
Selenium	**1.2 U**	ug/L	2.0	1.2	1	01/06/21 11:48	01/06/21 22:01	7782-49-2	
Silver	**0.21 U**	ug/L	0.50	0.21	1	01/06/21 11:48	01/06/21 22:01	7440-22-4	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/06/21 11:48	01/06/21 22:01	7440-28-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-2 **Lab ID: 35602272006** Collected: 01/05/21 15:05 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9222D Fecal Coliform	Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Ormond Beach								
Fecal Coliforms	**60.0**	CFU/100 mL	1.0	1.0	1	01/05/21 17:14	01/06/21 16:49		Z
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/06/21 07:19	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/06/21 07:19	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 07:19	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/06/21 07:19	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/06/21 07:19	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/06/21 07:19	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/06/21 07:19	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/06/21 07:19	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/06/21 07:19	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/06/21 07:19	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/06/21 07:19	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/06/21 07:19	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/06/21 07:19	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/06/21 07:19	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/06/21 07:19	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/06/21 07:19	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/06/21 07:19	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/06/21 07:19	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/06/21 07:19	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/06/21 07:19	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/06/21 07:19	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/06/21 07:19	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/06/21 07:19	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/06/21 07:19	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/06/21 07:19	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/06/21 07:19	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/06/21 07:19	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 07:19	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/06/21 07:19	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/06/21 07:19	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/06/21 07:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/06/21 07:19	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/06/21 07:19	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/06/21 07:19	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/06/21 07:19	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/06/21 07:19	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/06/21 07:19	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 07:19	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 07:19	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/06/21 07:19	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/06/21 07:19	75-69-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-2 **Lab ID: 35602272006** Collected: 01/05/21 15:05 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/06/21 07:19	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/06/21 07:19	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/06/21 07:19	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/06/21 07:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		01/06/21 07:19	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		01/06/21 07:19	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/06/21 07:19	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**240**	mg/L	5.0	5.0	1		01/06/21 12:24		
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Ormond Beach								
Total Suspended Solids	**12.0**	mg/L	5.0	5.0	1		01/07/21 14:49		PP
5210B BOD, 5 day	Analytical Method: SM 5210B Pace Analytical Services - Ormond Beach								
BOD, 5 day	**2.2**	mg/L	2.0	2.0	1	01/06/21 17:03	01/11/21 15:09		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200 Pace Analytical Services - Ormond Beach								
Chlorophyll a	**47.4**	ug/L	5.0	1.0	1	01/06/21 09:36	01/18/21 13:09		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation Pace Analytical Services - Ormond Beach								
Total Nitrogen	**2.8**	mg/L	0.50	0.086	1		01/11/21 16:24		
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**2.0**	mg/L	0.050	0.035	1		01/06/21 16:46	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	**2.8**	mg/L	0.50	0.086	1	01/08/21 00:45	01/11/21 10:00	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, NO2 plus NO3	**0.052**	mg/L	0.050	0.033	1		01/06/21 16:44		
Nitrogen, Nitrate	**0.052**	mg/L	0.050	0.025	1		01/06/21 16:44	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-2 **Lab ID: 35602272006** Collected: 01/05/21 15:05 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Ormond Beach								
Phosphorus, Total (as P)	**0.13**	mg/L	0.10	0.050	1	01/08/21 00:45	01/11/21 10:00	7723-14-0	
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	01/07/21 14:37	01/08/21 10:37		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**14.6**	mg/L	1.0	0.50	1		01/12/21 22:21	7440-44-0	
Un-ionized Ammonia, Ammonium	Analytical Method: FLDEP SOP 10/03/83 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.020	0.020	1		01/06/21 12:00		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-4 **Lab ID: 35602272007** Collected: 01/05/21 15:30 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
1631E Mercury, Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E Pace Analytical Services - Green Bay								
Mercury	**0.000651**	ug/L	0.00050	0.00020	1	01/15/21 07:29	01/18/21 10:15	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.02**	Std. Units			1		01/05/21 15:30		
Field Temperature	**14.17**	deg C			1		01/05/21 15:30		
Appearance	**Color: yellow, Sheen: none**				1		01/05/21 15:30		
Field Specific Conductance	**316**	umhos/cm			1		01/05/21 15:30		
Oxygen, Dissolved	**3.71**	mg/L			1		01/05/21 15:30	7782-44-7	
REDOX	**15.3**	mV			1		01/05/21 15:30		
Turbidity	**3.21**	NTU			1		01/05/21 15:30		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0063 U**	ug/L	0.020	0.0063	1	01/06/21 14:40	01/07/21 01:17	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0098	0.0074	1	01/06/21 14:40	01/07/21 01:17	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**27.0**	ug/L	10.0	0.84	1	01/06/21 11:48	01/12/21 02:22	7440-39-3	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/06/21 11:48	01/12/21 02:22	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/06/21 11:48	01/12/21 02:22	7440-48-4	
Iron	**315**	ug/L	40.0	25.0	1	01/06/21 11:48	01/12/21 02:22	7439-89-6	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/06/21 11:48	01/12/21 02:22	7440-02-0	
Sodium	**20.5**	mg/L	2.0	0.54	1	01/06/21 11:48	01/12/21 02:22	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**141**	mg/L	3.2	0.51	1	01/06/21 11:48	01/12/21 02:22		
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	01/06/21 11:48	01/12/21 02:22	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/06/21 11:48	01/12/21 02:22	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	01/06/21 11:48	01/06/21 22:03	7440-36-0	
Arsenic	**0.78 I**	ug/L	1.0	0.50	1	01/06/21 11:48	01/06/21 22:03	7440-38-2	
Beryllium	**0.033 U**	ug/L	0.10	0.033	1	01/06/21 11:48	01/06/21 22:03	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	01/06/21 11:48	01/06/21 22:03	7440-43-9	
Copper	**0.93 U**	ug/L	1.0	0.93	1	01/06/21 11:48	01/06/21 22:03	7440-50-8	
Lead	**0.22 U**	ug/L	1.0	0.22	1	01/06/21 11:48	01/06/21 22:03	7439-92-1	
Selenium	**1.2 U**	ug/L	2.0	1.2	1	01/06/21 11:48	01/06/21 22:03	7782-49-2	
Silver	**0.21 U**	ug/L	0.50	0.21	1	01/06/21 11:48	01/06/21 22:03	7440-22-4	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/06/21 11:48	01/06/21 22:03	7440-28-0	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-4 **Lab ID: 35602272007** Collected: 01/05/21 15:30 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9222D Fecal Coliform	Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Ormond Beach								
Fecal Coliforms	**60.0**	CFU/100 mL	1.0	1.0	1	01/05/21 17:14	01/06/21 16:49		Z
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/06/21 07:46	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/06/21 07:46	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 07:46	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/06/21 07:46	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/06/21 07:46	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/06/21 07:46	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/06/21 07:46	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/06/21 07:46	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/06/21 07:46	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/06/21 07:46	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/06/21 07:46	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/06/21 07:46	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/06/21 07:46	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/06/21 07:46	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/06/21 07:46	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/06/21 07:46	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/06/21 07:46	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/06/21 07:46	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/06/21 07:46	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/06/21 07:46	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/06/21 07:46	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/06/21 07:46	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/06/21 07:46	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/06/21 07:46	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/06/21 07:46	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/06/21 07:46	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/06/21 07:46	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 07:46	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/06/21 07:46	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/06/21 07:46	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/06/21 07:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/06/21 07:46	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/06/21 07:46	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/06/21 07:46	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/06/21 07:46	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/06/21 07:46	127-18-4	
Toluene	**2.0**	ug/L	1.0	0.33	1		01/06/21 07:46	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 07:46	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 07:46	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/06/21 07:46	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/06/21 07:46	75-69-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-4 **Lab ID: 35602272007** Collected: 01/05/21 15:30 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/06/21 07:46	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/06/21 07:46	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/06/21 07:46	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/06/21 07:46	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		01/06/21 07:46	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		01/06/21 07:46	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		01/06/21 07:46	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**225**	mg/L	5.0	5.0	1		01/06/21 12:24		
2540D Total Suspended Solids	Analytical Method: SM 2540D Pace Analytical Services - Ormond Beach								
Total Suspended Solids	**19.0**	mg/L	5.0	5.0	1		01/07/21 14:49		
5210B BOD, 5 day	Analytical Method: SM 5210B Pace Analytical Services - Ormond Beach								
BOD, 5 day	**7.1**	mg/L	2.0	2.0	1	01/06/21 17:05	01/11/21 15:11		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200 Pace Analytical Services - Ormond Beach								
Chlorophyll a	**23.4**	ug/L	5.0	1.0	1	01/06/21 09:36	01/18/21 13:12		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation Pace Analytical Services - Ormond Beach								
Total Nitrogen	**7.9**	mg/L	0.50	0.086	1		01/11/21 16:24		
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**5.7**	mg/L	0.050	0.035	1		01/06/21 16:48	7664-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Kjeldahl, Total	**7.9**	mg/L	0.50	0.086	1	01/08/21 00:45	01/11/21 10:01	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, NO2 plus NO3	**0.033 U**	mg/L	0.050	0.033	1		01/06/21 16:47		
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		01/06/21 16:47	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: SW-4 **Lab ID: 35602272007** Collected: 01/05/21 15:30 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Ormond Beach								
Phosphorus, Total (as P)	**0.77**	mg/L	0.10	0.050	1	01/08/21 00:45	01/11/21 10:01	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Ormond Beach								
Chemical Oxygen Demand	**81.6**	mg/L	20.0	12.5	1	01/07/21 14:37	01/08/21 10:37		
5310B TOC	Analytical Method: SM 5310B Pace Analytical Services - Ormond Beach								
Total Organic Carbon	**18.1**	mg/L	1.0	0.50	1		01/12/21 22:36	7440-44-0	
Un-ionized Ammonia, Ammonium	Analytical Method: FLDEP SOP 10/03/83 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.020	0.020	1		01/06/21 12:00		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: TRIP BLANK 1/5/21 **Lab ID: 35602272008** Collected: 01/05/21 00:00 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/06/21 00:58	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/06/21 00:58	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 00:58	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/06/21 00:58	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/06/21 00:58	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/06/21 00:58	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/06/21 00:58	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/06/21 00:58	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/06/21 00:58	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/06/21 00:58	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/06/21 00:58	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/06/21 00:58	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/06/21 00:58	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/06/21 00:58	74-87-3	
1,2-Dibromo-3-chloropropane	**1.9 U**	ug/L	5.0	1.9	1		01/06/21 00:58	96-12-8	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/06/21 00:58	124-48-1	
1,2-Dibromoethane (EDB)	**0.31 U**	ug/L	1.0	0.31	1		01/06/21 00:58	106-93-4	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/06/21 00:58	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/06/21 00:58	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/06/21 00:58	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/06/21 00:58	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/06/21 00:58	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/06/21 00:58	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/06/21 00:58	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/06/21 00:58	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/06/21 00:58	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/06/21 00:58	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/06/21 00:58	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/06/21 00:58	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 00:58	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/06/21 00:58	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/06/21 00:58	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/06/21 00:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/06/21 00:58	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/06/21 00:58	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/06/21 00:58	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/06/21 00:58	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/06/21 00:58	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/06/21 00:58	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 00:58	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/06/21 00:58	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/06/21 00:58	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/06/21 00:58	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/06/21 00:58	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/06/21 00:58	108-05-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Sample: TRIP BLANK 1/5/21 **Lab ID: 35602272008** Collected: 01/05/21 00:00 Received: 01/05/21 16:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/06/21 00:58	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/06/21 00:58	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		01/06/21 00:58	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		01/06/21 00:58	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		01/06/21 00:58	2199-69-1	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 375886
QC Batch Method: EPA 1631E
Analysis Method: EPA 1631E
Analysis Description: 1631E Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

METHOD BLANK: 2171281 Matrix: Water
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.00020 U	0.00050	0.00020	01/18/21 09:22	

METHOD BLANK: 2171282 Matrix: Water
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.00020 U	0.00050	0.00020	01/18/21 10:47	

METHOD BLANK: 2171283 Matrix: Water
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.00020 U	0.00050	0.00020	01/18/21 12:04	

LABORATORY CONTROL SAMPLE & LCSD: 2171284 2171285

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Mercury	ug/L	0.005	0.00513	0.00476	103	95	79-121	7	21	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2171983 2171984

Parameter	Units	35602272002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.0010 U	0.01	0.01	0.00872	0.00892	79	81	75-125	2	24	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2171985 2171986

Parameter	Units	35602272004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.0010 U	0.01	0.01	0.00928	0.00865	91	85	75-125	7	24	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 694709 | Analysis Method: SM 9222D
QC Batch Method: SM 9222D | Analysis Description: 9222D MBIO Fecal Coliform
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

METHOD BLANK: 3781229 Matrix: Water
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Fecal Coliforms	CFU/100 mL	1.0	1.0	1.0	01/06/21 16:49	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 694442
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

METHOD BLANK: 3779068 Matrix: Water
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	01/12/21 00:53	
Chromium	ug/L	1.7 U	5.0	1.7	01/12/21 00:53	
Cobalt	ug/L	0.96 U	10.0	0.96	01/12/21 00:53	
Iron	ug/L	25.0 U	40.0	25.0	01/12/21 00:53	
Nickel	ug/L	2.1 U	5.0	2.1	01/12/21 00:53	
Sodium	mg/L	0.54 U	2.0	0.54	01/12/21 00:53	
Tot Hardness asCaCO3 (SM 2340B	mg/L	0.51 U	3.2	0.51	01/12/21 00:53	
Vanadium	ug/L	1.0 U	10.0	1.0	01/12/21 00:53	
Zinc	ug/L	11.0 U	20.0	11.0	01/12/21 00:53	

LABORATORY CONTROL SAMPLE: 3779069

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	263	105	80-120	
Chromium	ug/L	250	255	102	80-120	
Cobalt	ug/L	250	260	104	80-120	
Iron	ug/L	2500	2560	102	80-120	
Nickel	ug/L	250	261	104	80-120	
Sodium	mg/L	12.5	12.7	102	80-120	
Tot Hardness asCaCO3 (SM 2340B	mg/L	82.7	84.1	102	80-120	
Vanadium	ug/L	250	253	101	80-120	
Zinc	ug/L	1250	1340	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3779070 3779071

Parameter	Units	35602308002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	50.8	250	250	301	301	100	100	75-125	0	20	
Chromium	ug/L	1.7 U	250	250	257	258	103	103	75-125	1	20	
Cobalt	ug/L	0.96 U	250	250	262	261	105	104	75-125	0	20	
Iron	ug/L	181	2500	2500	3210	3320	121	126	75-125	3	20	J(M1)
Nickel	ug/L	2.1 U	250	250	262	263	104	105	75-125	0	20	
Sodium	mg/L	67.6	12.5	12.5	263	261	1560	1550	75-125	1	20	J(M1), L
Tot Hardness asCaCO3 (SM 2340B	mg/L	684000 ug/L	82.7	82.7	547	544	-165	-168	75-125	1	20	
Vanadium	ug/L	2.2 I	250	250	261	263	104	104	75-125	0	20	
Zinc	ug/L	11.0 U	1250	1250	1310	1320	104	105	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 694440
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

METHOD BLANK: 3779058 Matrix: Water
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	01/06/21 20:58	
Arsenic	ug/L	0.50 U	1.0	0.50	01/06/21 20:58	
Beryllium	ug/L	0.033 U	0.10	0.033	01/06/21 20:58	
Cadmium	ug/L	0.050 U	0.10	0.050	01/06/21 20:58	
Copper	ug/L	0.93 U	1.0	0.93	01/06/21 20:58	
Lead	ug/L	0.22 U	1.0	0.22	01/06/21 20:58	
Selenium	ug/L	1.2 U	2.0	1.2	01/06/21 20:58	J(CH)
Silver	ug/L	0.21 U	0.50	0.21	01/06/21 20:58	
Thallium	ug/L	0.11 U	1.0	0.11	01/06/21 20:58	

LABORATORY CONTROL SAMPLE: 3779059

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	48.0	96	80-120	
Arsenic	ug/L	50	49.6	99	80-120	
Beryllium	ug/L	5	4.7	94	80-120	
Cadmium	ug/L	5	5.2	103	80-120	
Copper	ug/L	50	51.0	102	80-120	
Lead	ug/L	50	49.7	99	80-120	
Selenium	ug/L	50	53.3	107	80-120	J(CH)
Silver	ug/L	5	4.5	90	80-120	
Thallium	ug/L	50	51.4	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3779060 3779061

Parameter	Units	35602308002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	46.5	46.5	93	93	75-125	0	20	
Arsenic	ug/L	0.50 U	50	50	48.6	48.6	96	96	75-125	0	20	
Beryllium	ug/L	0.033 U	5	5	4.4	4.3	87	86	75-125	2	20	
Cadmium	ug/L	0.050 U	5	5	4.6	4.6	91	92	75-125	1	20	
Copper	ug/L	0.93 U	50	50	46.1	46.5	91	92	75-125	1	20	
Lead	ug/L	0.22 U	50	50	46.3	46.5	92	93	75-125	1	20	
Selenium	ug/L	1.2 U	50	50	15.8	14.9	32	30	75-125	6	20	J(CH), J(M1)
Silver	ug/L	0.21 U	5	5	4.1	4.1	83	83	75-125	0	20	
Thallium	ug/L	0.11 U	50	50	48.5	48.4	97	97	75-125	0	20	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 694243
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007, 35602272008

METHOD BLANK: 3778218
Matrix: Water
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007, 35602272008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/05/21 23:35	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/05/21 23:35	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/05/21 23:35	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/05/21 23:35	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/05/21 23:35	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/05/21 23:35	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/05/21 23:35	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	5.0	1.9	01/05/21 23:35	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	1.0	0.31	01/05/21 23:35	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/05/21 23:35	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	01/05/21 23:35	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/05/21 23:35	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/05/21 23:35	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	01/05/21 23:35	
2-Hexanone	ug/L	3.2 U	25.0	3.2	01/05/21 23:35	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/05/21 23:35	
Acetone	ug/L	5.3 U	25.0	5.3	01/05/21 23:35	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/05/21 23:35	
Benzene	ug/L	0.30 U	1.0	0.30	01/05/21 23:35	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/05/21 23:35	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/05/21 23:35	
Bromoform	ug/L	0.48 U	3.0	0.48	01/05/21 23:35	
Bromomethane	ug/L	8.1 U	10.0	8.1	01/05/21 23:35	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/05/21 23:35	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/05/21 23:35	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/05/21 23:35	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/05/21 23:35	
Chloroform	ug/L	0.32 U	1.0	0.32	01/05/21 23:35	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/05/21 23:35	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/05/21 23:35	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/05/21 23:35	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/05/21 23:35	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/05/21 23:35	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/05/21 23:35	
Iodomethane	ug/L	9.3 U	10.0	9.3	01/05/21 23:35	
Methylene Chloride	ug/L	4.4 U	5.0	4.4	01/05/21 23:35	
Styrene	ug/L	0.26 U	1.0	0.26	01/05/21 23:35	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/05/21 23:35	
Toluene	ug/L	0.33 U	1.0	0.33	01/05/21 23:35	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

METHOD BLANK: 3778218 Matrix: Water
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007, 35602272008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/05/21 23:35	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/05/21 23:35	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/05/21 23:35	
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/05/21 23:35	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	01/05/21 23:35	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/05/21 23:35	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/05/21 23:35	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/05/21 23:35	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130		01/05/21 23:35	
4-Bromofluorobenzene (S)	%	95	70-130		01/05/21 23:35	
Toluene-d8 (S)	%	96	70-130		01/05/21 23:35	

LABORATORY CONTROL SAMPLE: 3778219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.1	101	70-130	
1,1,1-Trichloroethane	ug/L	20	22.2	111	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.5	97	68-125	
1,1,2-Trichloroethane	ug/L	20	20.6	103	70-130	
1,1-Dichloroethane	ug/L	20	21.3	106	70-130	
1,1-Dichloroethene	ug/L	20	22.5	113	66-133	
1,2,3-Trichloropropane	ug/L	20	20.3	101	62-127	
1,2-Dibromo-3-chloropropane	ug/L	20	18.6	93	45-137	
1,2-Dibromoethane (EDB)	ug/L	20	19.9	100	70-130	
1,2-Dichlorobenzene	ug/L	20	20.3	102	70-130	
1,2-Dichloroethane	ug/L	20	22.9	115	70-130	
1,2-Dichloropropane	ug/L	20	19.9	100	70-130	
1,4-Dichlorobenzene	ug/L	20	20.5	103	70-130	
2-Butanone (MEK)	ug/L	100	100	100	47-143	
2-Hexanone	ug/L	100	92.5	92	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	89.2	89	57-132	
Acetone	ug/L	100	109	109	46-148	
Acrylonitrile	ug/L	100	90.7	91	60-143	
Benzene	ug/L	20	20.4	102	70-130	
Bromochloromethane	ug/L	20	19.9	100	70-130	
Bromodichloromethane	ug/L	20	22.4	112	70-130	
Bromoform	ug/L	20	18.3	91	49-126	
Bromomethane	ug/L	20	22.9	115	10-165	
Carbon disulfide	ug/L	20	18.7	94	60-141	
Carbon tetrachloride	ug/L	20	22.3	112	63-126	
Chlorobenzene	ug/L	20	19.6	98	70-130	
Chloroethane	ug/L	20	19.6	98	71-142	
Chloroform	ug/L	20	21.8	109	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

LABORATORY CONTROL SAMPLE: 3778219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	20	16.3	82	40-140	
cis-1,2-Dichloroethene	ug/L	20	21.0	105	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.0	105	70-130	
Dibromochloromethane	ug/L	20	20.1	101	62-118	
Dibromomethane	ug/L	20	20.1	101	70-130	
Ethylbenzene	ug/L	20	19.3	97	70-130	
Iodomethane	ug/L	20	23.3	116	10-164	
Methylene Chloride	ug/L	20	21.9	110	65-136	
Styrene	ug/L	20	20.0	100	70-130	
Tetrachloroethene	ug/L	20	19.1	96	64-134	
Toluene	ug/L	20	18.9	95	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.3	102	68-127	
trans-1,3-Dichloropropene	ug/L	20	20.4	102	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	18.9	94	42-129	
Trichloroethene	ug/L	20	20.3	102	70-130	
Trichlorofluoromethane	ug/L	20	22.6	113	65-135	
Vinyl acetate	ug/L	20	20.6	103	60-144	
Vinyl chloride	ug/L	20	17.8	89	68-131	
Xylene (Total)	ug/L	60	59.0	98	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 3778221

Parameter	Units	35602272002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	21.5	108	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	25.5	128	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	20.8	104	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	20.5	102	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	23.1	115	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	24.8	124	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	21.7	109	62-127	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	20	19.4	97	45-137	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	20	20.7	103	70-130	
1,2-Dichlorobenzene	ug/L	0.60 U	20	20.7	103	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	25.7	129	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	21.2	106	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	20.5	103	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	88.8	89	47-143	
2-Hexanone	ug/L	3.2 U	100	94.1	94	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	95.5	95	57-132	
Acetone	ug/L	5.3 U	100	101	101	46-148	
Acrylonitrile	ug/L	3.7 U	100	108	108	60-143	
Benzene	ug/L	0.30 U	20	21.7	109	70-130	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

MATRIX SPIKE SAMPLE: 3778221

Parameter	Units	35602272002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromochloromethane	ug/L	0.37 U	20	21.6	108	70-130	
Bromodichloromethane	ug/L	0.19 U	20	24.8	124	70-130	
Bromoform	ug/L	0.48 U	20	19.4	97	49-126	
Bromomethane	ug/L	8.1 U	20	16.5	82	10-165	
Carbon disulfide	ug/L	1.8 U	20	21.8	109	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	26.7	134	63-126	J(M1)
Chlorobenzene	ug/L	0.35 U	20	20.8	104	70-130	
Chloroethane	ug/L	3.7 U	20	19.3	96	71-142	
Chloroform	ug/L	0.32 U	20	24.3	121	70-130	
Chloromethane	ug/L	0.43 U	20	17.5	87	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	22.7	114	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	20.0	100	70-130	
Dibromochloromethane	ug/L	0.45 U	20	20.7	103	62-118	
Dibromomethane	ug/L	0.68 U	20	22.3	112	70-130	
Ethylbenzene	ug/L	0.30 U	20	20.5	103	70-130	
Iodomethane	ug/L	9.3 U	20	19.2	96	10-164	
Methylene Chloride	ug/L	4.4 U	20	22.7	114	65-136	
Styrene	ug/L	0.26 U	20	20.7	104	70-130	
Tetrachloroethene	ug/L	0.38 U	20	20.2	101	64-134	
Toluene	ug/L	0.33 U	20	19.8	99	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	21.2	106	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	20.7	103	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	22.7	114	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	29.1	145	65-135	J(M1)
Vinyl acetate	ug/L	1.8 U	20	19.7	99	60-144	
Vinyl chloride	ug/L	0.39 U	20	18.7	93	68-131	
Xylene (Total)	ug/L	2.1 U	60	62.0	103	70-130	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 3778220

Parameter	Units	35602272001 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-Dibromo-3-chloropropane	ug/L	1.9 U	1.9 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	0.31 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

SAMPLE DUPLICATE: 3778220

Parameter	Units	35602272001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	0.27 U	0.27 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	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	8.1 U	8.1 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	0.32 U	0.32 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	9.3 U	9.3 U		40	
Methylene Chloride	ug/L	4.4 U	4.4 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	0.35 U	0.35 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)	%	103	99			
4-Bromofluorobenzene (S)	%	92	95		40	
Toluene-d8 (S)	%	99	100		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 694515
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

METHOD BLANK: 3779497 Matrix: Water
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	01/06/21 22:17	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	01/06/21 22:17	

LABORATORY CONTROL SAMPLE: 3779498

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.23	94	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.24	96	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3779499 3779500

Parameter	Units	35602272002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0061 U	0.44	0.44	0.69	0.68	158	155	60-140	2	40	J(M1)
1,2-Dibromoethane (EDB)	ug/L	0.0072 U	0.44	0.44	0.69	0.66	157	151	60-140	4	40	J(M1)

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 694443 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

METHOD BLANK: 3779072 Matrix: Water
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	01/06/21 12:22	

LABORATORY CONTROL SAMPLE: 3779073

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

SAMPLE DUPLICATE: 3779074

Parameter	Units	35602348034 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	233	230	1	10	

SAMPLE DUPLICATE: 3779075

Parameter	Units	35602348023 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	233	238	2	10	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 694398 | Analysis Method: SM 2540D
QC Batch Method: SM 2540D | Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004

METHOD BLANK: 3778926 Matrix: Water
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Suspended Solids	mg/L	5.0 U	5.0	5.0	01/06/21 14:41	

LABORATORY CONTROL SAMPLE: 3778927

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	103	103	90-110	

SAMPLE DUPLICATE: 3778928

Parameter	Units	35602145001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	62.0	65.0	5	10	

SAMPLE DUPLICATE: 3778929

Parameter	Units	35602237004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	196	198	1	10	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 694796 | Analysis Method: SM 2540D
QC Batch Method: SM 2540D | Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602272005, 35602272006, 35602272007

METHOD BLANK: 3781521 Matrix: Water
Associated Lab Samples: 35602272005, 35602272006, 35602272007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Suspended Solids	mg/L	5.0 U	5.0	5.0	01/07/21 14:49	

LABORATORY CONTROL SAMPLE: 3781522

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

SAMPLE DUPLICATE: 3781524

Parameter	Units	35602399001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	260	260	0	10	

SAMPLE DUPLICATE: 3782009

Parameter	Units	35602272005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	7.0	7.5	7	10	PP

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 694484 | Analysis Method: SM 5210B
QC Batch Method: SM 5210B | Analysis Description: 5210B BOD, 5 day
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

METHOD BLANK: 3779212 Matrix: Water
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
BOD, 5 day	mg/L	2.0 U	2.0	2.0	01/11/21 14:28	

LABORATORY CONTROL SAMPLE: 3779214

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	182	92	85-115	

SAMPLE DUPLICATE: 3779215

Parameter	Units	35602346001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	255	240	6	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 694300 | Analysis Method: SM10200
QC Batch Method: SM10200 | Analysis Description: Chlorophyll & Pheophytin
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

METHOD BLANK: 3778648 Matrix: Water
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chlorophyll a	ug/L	1.0 U	5.0	1.0	01/18/21 12:44	

LABORATORY CONTROL SAMPLE: 3778649

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorophyll a	ug/L	10	9.7	97	85-115	

SAMPLE DUPLICATE: 3778651

Parameter	Units	35602272001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chlorophyll a	ug/L	8.0	8.1	2	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 694525 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: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

METHOD BLANK: 3779843 Matrix: Water
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	01/06/21 15:59	

LABORATORY CONTROL SAMPLE: 3779844

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: 3779846 3779845

Parameter	Units	35602463001 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	57.2	5	5	61.8	61.8	91	93	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3779847 3779848

Parameter	Units	35602435008 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	0.24	1	1	1.3	1.3	106	106	90-110	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 694954
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: 35602272001, 35602272002

METHOD BLANK: 3782636 Matrix: Water
Associated Lab Samples: 35602272001, 35602272002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.086 U	0.50	0.086	01/11/21 09:14	

LABORATORY CONTROL SAMPLE: 3782637

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	20	19.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3782639 3782638

Parameter	Units	35602756001 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	5.2	20	20	25.4	25.4	101	101	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3782641 3782640

Parameter	Units	35602942001 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	1.9	20	20	21.6	21.9	98	100	90-110	2	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 694956 | 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: 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

METHOD BLANK: 3782648 Matrix: Water
Associated Lab Samples: 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.086 U	0.50	0.086	01/11/21 09:52	

LABORATORY CONTROL SAMPLE: 3782649

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3782651 3782650

Parameter	Units	35602272003 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	21.0	20.9	99	98	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786011 3786010

Parameter	Units	35602361002 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	0.85	20	20	20.4	21.4	98	103	90-110	5	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 694380
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: 35602272001, 35602272002, 35602272003, 35602272004

METHOD BLANK: 3778868 Matrix: Water
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/06/21 11:02	
Nitrogen, NO2 plus NO3	mg/L	0.033 U	0.050	0.033	01/06/21 11:02	

LABORATORY CONTROL SAMPLE: 3778869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.1	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3778871 3778870

Parameter	Units	35602097003 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	0.033 U	2	2	2.1	2.0	103	100	90-110	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3778873 3778872

Parameter	Units	35602272001 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	0.033 U	2	2	2.0	2.0	100	102	90-110	2	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 694536
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: 35602272005, 35602272006, 35602272007

METHOD BLANK: 3779977 Matrix: Water
Associated Lab Samples: 35602272005, 35602272006, 35602272007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/06/21 16:17	
Nitrogen, NO2 plus NO3	mg/L	0.033 U	0.050	0.033	01/06/21 16:17	

LABORATORY CONTROL SAMPLE: 3779978

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: 3779980 3779979

Parameter	Units	35602452001 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	0.60	2	2	2.7	2.7	104	106	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3779982 3779981

Parameter	Units	35602308014 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	0.033 U	2	2	2.2	2.2	108	107	90-110	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 694955
QC Batch Method: EPA 365.4
Analysis Method: EPA 365.4
Analysis Description: 365.4 Phosphorus
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602272001, 35602272002

METHOD BLANK: 3782642 Matrix: Water
Associated Lab Samples: 35602272001, 35602272002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphorus, Total (as P)	mg/L	0.050 U	0.10	0.050	01/11/21 09:43	

LABORATORY CONTROL SAMPLE: 3782643

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3782645 3782644

Parameter	Units	35602756001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus, Total (as P)	mg/L	0.73	4	4	4.8	4.7	101	100	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3782647 3782646

Parameter	Units	35602942001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus, Total (as P)	mg/L	7.5	4	4	11.6	11.7	102	105	80-120	1	20	L

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 694958
QC Batch Method: EPA 365.4
Analysis Method: EPA 365.4
Analysis Description: 365.4 Phosphorus
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

METHOD BLANK: 3782658 Matrix: Water
Associated Lab Samples: 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphorus, Total (as P)	mg/L	0.050 U	0.10	0.050	01/11/21 10:23	

LABORATORY CONTROL SAMPLE: 3782659

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus, Total (as P)	mg/L	4	4.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3782661 3782660

Parameter	Units	35602272003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus, Total (as P)	mg/L	0.050 U	4	4	4.0	3.9	98	97	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786013 3786012

Parameter	Units	35602361002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus, Total (as P)	mg/L	0.18	4	4	4.1	4.3	98	103	80-120	5	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 694699
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: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

METHOD BLANK: 3781189 Matrix: Water
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5 U	20.0	12.5	01/08/21 10:37	

LABORATORY CONTROL SAMPLE: 3781190

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	494	508	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3781192 3781191

Parameter	Units	35602249001 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	766	494	494	1130	1160	73	79	90-110	3	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3781194 3781193

Parameter	Units	35602272003 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	51.9	494	494	421	412	75	73	90-110	2	20	J(M1)

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

QC Batch: 696031 | Analysis Method: SM 5310B
QC Batch Method: SM 5310B | Analysis Description: 5310B TOC
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

METHOD BLANK: 3788418 Matrix: Water
Associated Lab Samples: 35602272001, 35602272002, 35602272003, 35602272004, 35602272005, 35602272006, 35602272007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	01/12/21 16:31	

LABORATORY CONTROL SAMPLE: 3788419

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	20	20.7	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3788420 3788421

Parameter	Units	35603738001 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	16.5	20	20	36.4	36.6	100	101	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3788422 3788423

Parameter	Units	35602272001 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	24.6	20	20	44.2	44.4	98	99	80-120	0	20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

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.

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.
B	Results based upon colony counts outside the acceptable range.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
J(CH)	Estimated value. The continuing calibration for this compound is outside of method acceptance limits. The results may be biased high.
J(CU)	The continuing calibration for this compound is above method acceptance limits. Analyte presence is not detected in associated samples. Results unaffected by high bias.
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.
PP	The mass of dried residue obtained did not meet the test method requirements based on volume used.
Z	Too many colonies were present for accurate counting.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35602272001	**SW-3**	EPA 1631E	375886	EPA 1631E	376006
35602272002	**SW-11**	EPA 1631E	375886	EPA 1631E	376006
35602272003	**SW-12**	EPA 1631E	375886	EPA 1631E	376006
35602272004	**SW-1**	EPA 1631E	375886	EPA 1631E	376006
35602272005	**SW-5**	EPA 1631E	375886	EPA 1631E	376006
35602272006	**SW-2**	EPA 1631E	375886	EPA 1631E	376006
35602272007	**SW-4**	EPA 1631E	375886	EPA 1631E	376006
35602272001	**SW-3**				
35602272002	**SW-11**				
35602272003	**SW-12**				
35602272004	**SW-1**				
35602272005	**SW-5**				
35602272006	**SW-2**				
35602272007	**SW-4**				
35602272001	**SW-3**	EPA 8011	694515	EPA 8011	694560
35602272002	**SW-11**	EPA 8011	694515	EPA 8011	694560
35602272003	**SW-12**	EPA 8011	694515	EPA 8011	694560
35602272004	**SW-1**	EPA 8011	694515	EPA 8011	694560
35602272005	**SW-5**	EPA 8011	694515	EPA 8011	694560
35602272006	**SW-2**	EPA 8011	694515	EPA 8011	694560
35602272007	**SW-4**	EPA 8011	694515	EPA 8011	694560
35602272001	**SW-3**	EPA 3010	694442	EPA 6010	694542
35602272002	**SW-11**	EPA 3010	694442	EPA 6010	694542
35602272003	**SW-12**	EPA 3010	694442	EPA 6010	694542
35602272004	**SW-1**	EPA 3010	694442	EPA 6010	694542
35602272005	**SW-5**	EPA 3010	694442	EPA 6010	694542
35602272006	**SW-2**	EPA 3010	694442	EPA 6010	694542
35602272007	**SW-4**	EPA 3010	694442	EPA 6010	694542
35602272001	**SW-3**	EPA 3010	694440	EPA 6020	694541
35602272002	**SW-11**	EPA 3010	694440	EPA 6020	694541
35602272003	**SW-12**	EPA 3010	694440	EPA 6020	694541
35602272004	**SW-1**	EPA 3010	694440	EPA 6020	694541
35602272005	**SW-5**	EPA 3010	694440	EPA 6020	694541
35602272006	**SW-2**	EPA 3010	694440	EPA 6020	694541
35602272007	**SW-4**	EPA 3010	694440	EPA 6020	694541
35602272001	**SW-3**	SM 9222D	694709	SM 9222D	694710
35602272002	**SW-11**	SM 9222D	694709	SM 9222D	694710
35602272003	**SW-12**	SM 9222D	694709	SM 9222D	694710
35602272004	**SW-1**	SM 9222D	694709	SM 9222D	694710
35602272005	**SW-5**	SM 9222D	694709	SM 9222D	694710
35602272006	**SW-2**	SM 9222D	694709	SM 9222D	694710
35602272007	**SW-4**	SM 9222D	694709	SM 9222D	694710
35602272001	**SW-3**	EPA 8260	694243		
35602272002	**SW-11**	EPA 8260	694243		
35602272003	**SW-12**	EPA 8260	694243		
35602272004	**SW-1**	EPA 8260	694243		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35602272005	**SW-5**	EPA 8260	694243		
35602272006	**SW-2**	EPA 8260	694243		
35602272007	**SW-4**	EPA 8260	694243		
35602272008	**TRIP BLANK 1/5/21**	EPA 8260	694243		
35602272001	**SW-3**	SM 2540C	694443		
35602272002	**SW-11**	SM 2540C	694443		
35602272003	**SW-12**	SM 2540C	694443		
35602272004	**SW-1**	SM 2540C	694443		
35602272005	**SW-5**	SM 2540C	694443		
35602272006	**SW-2**	SM 2540C	694443		
35602272007	**SW-4**	SM 2540C	694443		
35602272001	**SW-3**	SM 2540D	694398		
35602272002	**SW-11**	SM 2540D	694398		
35602272003	**SW-12**	SM 2540D	694398		
35602272004	**SW-1**	SM 2540D	694398		
35602272005	**SW-5**	SM 2540D	694796		
35602272006	**SW-2**	SM 2540D	694796		
35602272007	**SW-4**	SM 2540D	694796		
35602272001	**SW-3**	SM 5210B	694484	SM 5210B	695699
35602272002	**SW-11**	SM 5210B	694484	SM 5210B	695699
35602272003	**SW-12**	SM 5210B	694484	SM 5210B	695699
35602272004	**SW-1**	SM 5210B	694484	SM 5210B	695699
35602272005	**SW-5**	SM 5210B	694484	SM 5210B	695699
35602272006	**SW-2**	SM 5210B	694484	SM 5210B	695699
35602272007	**SW-4**	SM 5210B	694484	SM 5210B	695699
35602272001	**SW-3**	SM10200	694300	SM10200	697464
35602272002	**SW-11**	SM10200	694300	SM10200	697464
35602272003	**SW-12**	SM10200	694300	SM10200	697464
35602272004	**SW-1**	SM10200	694300	SM10200	697464
35602272005	**SW-5**	SM10200	694300	SM10200	697464
35602272006	**SW-2**	SM10200	694300	SM10200	697464
35602272007	**SW-4**	SM10200	694300	SM10200	697464
35602272001	**SW-3**	TKN+NOx Calculation	695747		
35602272002	**SW-11**	TKN+NOx Calculation	695747		
35602272003	**SW-12**	TKN+NOx Calculation	695748		
35602272004	**SW-1**	TKN+NOx Calculation	695748		
35602272005	**SW-5**	TKN+NOx Calculation	695748		
35602272006	**SW-2**	TKN+NOx Calculation	695748		
35602272007	**SW-4**	TKN+NOx Calculation	695748		
35602272001	**SW-3**	EPA 350.1	694525		
35602272002	**SW-11**	EPA 350.1	694525		
35602272003	**SW-12**	EPA 350.1	694525		
35602272004	**SW-1**	EPA 350.1	694525		
35602272005	**SW-5**	EPA 350.1	694525		
35602272006	**SW-2**	EPA 350.1	694525		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual SWs
Pace Project No.: 35602272

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35602272007	**SW-4**	EPA 350.1	694525		
35602272001	**SW-3**	EPA 351.2	694954	EPA 351.2	695511
35602272002	**SW-11**	EPA 351.2	694954	EPA 351.2	695511
35602272003	**SW-12**	EPA 351.2	694956	EPA 351.2	695517
35602272004	**SW-1**	EPA 351.2	694956	EPA 351.2	695517
35602272005	**SW-5**	EPA 351.2	694956	EPA 351.2	695517
35602272006	**SW-2**	EPA 351.2	694956	EPA 351.2	695517
35602272007	**SW-4**	EPA 351.2	694956	EPA 351.2	695517
35602272001	**SW-3**	EPA 353.2	694380		
35602272002	**SW-11**	EPA 353.2	694380		
35602272003	**SW-12**	EPA 353.2	694380		
35602272004	**SW-1**	EPA 353.2	694380		
35602272005	**SW-5**	EPA 353.2	694536		
35602272006	**SW-2**	EPA 353.2	694536		
35602272007	**SW-4**	EPA 353.2	694536		
35602272001	**SW-3**	EPA 365.4	694955	EPA 365.4	695514
35602272002	**SW-11**	EPA 365.4	694955	EPA 365.4	695514
35602272003	**SW-12**	EPA 365.4	694958	EPA 365.4	695519
35602272004	**SW-1**	EPA 365.4	694958	EPA 365.4	695519
35602272005	**SW-5**	EPA 365.4	694958	EPA 365.4	695519
35602272006	**SW-2**	EPA 365.4	694958	EPA 365.4	695519
35602272007	**SW-4**	EPA 365.4	694958	EPA 365.4	695519
35602272001	**SW-3**	EPA 410.4	694699	EPA 410.4	695144
35602272002	**SW-11**	EPA 410.4	694699	EPA 410.4	695144
35602272003	**SW-12**	EPA 410.4	694699	EPA 410.4	695144
35602272004	**SW-1**	EPA 410.4	694699	EPA 410.4	695144
35602272005	**SW-5**	EPA 410.4	694699	EPA 410.4	695144
35602272006	**SW-2**	EPA 410.4	694699	EPA 410.4	695144
35602272007	**SW-4**	EPA 410.4	694699	EPA 410.4	695144
35602272001	**SW-3**	SM 5310B	696031		
35602272002	**SW-11**	SM 5310B	696031		
35602272003	**SW-12**	SM 5310B	696031		
35602272004	**SW-1**	SM 5310B	696031		
35602272005	**SW-5**	SM 5310B	696031		
35602272006	**SW-2**	SM 5310B	696031		
35602272007	**SW-4**	SM 5310B	696031		
35602272001	**SW-3**	FLDEP SOP 10/03/83	694587		
35602272002	**SW-11**	FLDEP SOP 10/03/83	694587		
35602272003	**SW-12**	FLDEP SOP 10/03/83	694587		
35602272004	**SW-1**	FLDEP SOP 10/03/83	694587		
35602272005	**SW-5**	FLDEP SOP 10/03/83	694587		
35602272006	**SW-2**	FLDEP SOP 10/03/83	694587		
35602272007	**SW-4**	FLDEP SOP 10/03/83	694587		

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WO# : 35602272

35602272

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A — Required Client Information:

Company:	Volusia County Solid Waste Management
Address:	1990 Tomoka Farms Road
	Port Orange, FL 32128
Email:	jstirk@volusia.org
Phone:	(386)947-2952 Fax:
Requested Due Date:	

Required Project Information:

Report To:	Jennifer Stirk
Copy To:	
Purchase Order #:	
Project Name:	Tomoka LF Semi-annual SWs
Project #:	

Section C — Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	jeff.baylor@pacelabs.com,
Pace Profile #:	1590, Line 3

Regulatory Agency

State / Location

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	8260 VOCs Full List	EDB 8011	Metals by 6010/6020	NH3/Union NH3/COD/TN/TP	BOD/NO3/TSS/TDS	TOC	Chloraphyll-A	Fecal Coliform MF	Low Level Mercury	Trip Blank DO NOT OPEN			Residual Chlorine (Y/N)	
1	SW 3					1-5-21	12:50												X	X	X	X	X	X	X	X	X				
2	SW-11						13:20																								
3	SW-12						13:40																								
4	SW-1						14:10																								
5	SW-5						14:40																								
6	SW-2						15:05																								
7	SW-84 SS 1/4/21						15:30																								
8	TRIP BLANK						0000																						X		
9																															
10																															
11																															
12																															

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	KT KTS	12-3-20	1600							
	Bruce Foster	1-5-21	1625	SMK/PACE	1-5-21	1625	4.3	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Bruce Foster

SIGNATURE of SAMPLER: [signature]

DATE Signed: 1-5-21

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

WO#: 35602272
PM: JSB Due Date: 01/19/21
CLIENT: VOLDPW

Project #
Project Manager:
Client:

Date and Initials of person:
Examining contents:
Label:
Deliver: CE VSM
pH:

Thermometer Used: T-337 Date: 1/5/21 Time: 1633 Initials: KMF

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

Cooler #1 Temp.°C	3.8 (Visual)	0.0 (Correction Factor)	3.8 (Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	4.3 (Visual)	0.0 (Correction Factor)	4.3 (Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun

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

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

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

Tracking #

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

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

Samples shorted to lab (If Yes, complete) Shorted Date: 1/5/21 Shorted Time: 1637 Qty: 7SPST

Comments:

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

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Pace Analytical Florida Laboratory	Document Name: Field Sampling Log	Date Revised: December 3, 2012
	Document Number: F-FL-C-022 rev.00	Issuing Authority: Pace Florida Quality Office

Field Sampling Log

Arrived on Site Date 1-5-21 Time: 1230 Departed Site Time:

Sampler's Signature [signature] Sampler's Name DAVID ICE

CLIENT NAME: Volusia County Solid Waste PROJECT NAME: Tomoka LF Semi Annual SW

CLIENT CONTACT: SITE CONTACT:

Personnel on Site: DAVID ICE / Bruce FOSTER

SITE Location: Tomoka LANDFILL

Ambient Conditions: Sunny

Brief Description of Field Activities:

Field Equipment Used: YSI 55C 66°

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:

Physical Characteristics of Sample :

Sampling Method: GRAB ✓ COMPOSITE

For Composite Sampling; Document Sampling Procedure for Collecting a Representative Sample:

QC Blanks: Precleaned EQB Field Cleaned EQB

Field Blanks Trip Blanks QC Samples: Duplicate Replicate Samples

Split Samples(explain)

Sx. Location (Gate)	Date and Time	Parameters	Appearance	Odor	pH	Temp °C	Conductivity	DO	Turbidity	ORP
SW 3 (2.10)	1-5-21 1250	BOA556503	Yellow	None	6.72	17.71	349	4.64	2.94	173.2
SW 11 (NA)	1 1320	/	/	None	7.49	17.23	395	7.01	13.2	157.7
SW 12 (4.40)	1 1340	/	/	/	8.20	19.88	388	8.80	14.9	143.4
SW 1 (NA)	1 1410	/	/	/	7.85	18.14	143	2.22	2.16	99.8
SW 5 (4.25)	1 1440	/	/	/	7.16	17.29	362	8.16	5.29	147.6
SW 2 (NA)	1 1505	/	/	/	6.38	13.86	281	4.57	2.01	136.4

Calibration of Meters

Meter	Y / N	Standard	Slope	Variance	Value
SW 4 (3.75)	1 1530	/	/	/ 602 1417	316

371 3.21 15.1

Other Notation's or Anomalies:

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

January 19, 2021

Ms. Jennifer Stirk
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Port Orange, FL 32128

RE: Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Dear Ms. Stirk:

Enclosed are the analytical results for sample(s) received by the laboratory on January 06, 2021. 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,

Jeff Baylor

Jeff Baylor
jeff.baylor@pacelabs.com
(386)672-5668
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.

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

CERTIFICATIONS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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

SAMPLE SUMMARY

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35602573001	**EQ Blank 1/6/21**	Water	01/06/21 10:25	01/06/21 16:39
35602573002	**B34-1**	Water	01/06/21 11:15	01/06/21 16:39
35602573003	**B34-2**	Water	01/06/21 11:38	01/06/21 16:39
35602573004	**FA-1B**	Water	01/06/21 12:25	01/06/21 16:39
35602573005	**B63-1**	Water	01/06/21 14:04	01/06/21 16:39
35602573006	**FA-1B Dup**	Water	01/06/21 12:25	01/06/21 16:39
35602573007	**B63-2**	Water	01/06/21 14:29	01/06/21 16:39
35602573008	**B38-2**	Water	01/06/21 15:14	01/06/21 16:39
35602573009	**B38-1**	Water	01/06/21 15:59	01/06/21 16:39
35602573010	**Trip Blank 1/6/21**	Water	01/06/21 00:00	01/06/21 16:39

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35602573001	**EQ Blank 1/6/21**	EPA 8011	LJM	2	PASI-O
		EPA 6010	KPP	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602573002	**B34-1**	EPA 8011	LJM	2	PASI-O
		EPA 6010	KPP	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602573003	**B34-2**	EPA 8011	LJM	2	PASI-O
		EPA 6010	KPP	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602573004	**FA-1B**	EPA 8011	LJM	2	PASI-O
		EPA 6010	KPP	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602573005	**B63-1**	EPA 8011	LJM	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	KPP	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602573006	**FA-1B Dup**	EPA 8011	LJM	2	PASI-O
		EPA 6010	KPP	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602573007	**B63-2**	EPA 8011	LJM	2	PASI-O
		EPA 6010	KPP	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602573008	**B38-2**	EPA 8011	LJM	2	PASI-O
		EPA 6010	KPP	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602573009	**B38-1**	EPA 8011	LJM	2	PASI-O
		EPA 6010	KPP	14	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RMB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602573010	**Trip Blank 1/6/21**	EPA 8260	AST	50	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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

SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35602573001	**EQ Blank 1/6/21**					
EPA 6010	Barium	7.8 I	ug/L	10.0	01/11/21 01:06	
EPA 6010	Iron	48.0	ug/L	40.0	01/11/21 01:06	
SM 2540C	Total Dissolved Solids	6.0	mg/L	5.0	01/07/21 10:03	
35602573002	**B34-1**					
	Field pH	6.72	Std. Units		01/06/21 11:15	
	Field Temperature	22.2	deg C		01/06/21 11:15	
	Appearance	Color: yellow, Sheen: none			01/06/21 11:15	
	Field Specific Conductance	1772	umhos/cm		01/06/21 11:15	
	Oxygen, Dissolved	0.34	mg/L		01/06/21 11:15	
	REDOX	-139.7	mV		01/06/21 11:15	
	Turbidity	1.73	NTU		01/06/21 11:15	
	Water Level(NGVD)	28.71	feet		01/06/21 11:15	
EPA 6010	Barium	215	ug/L	10.0	01/11/21 01:10	
EPA 6010	Chromium	8.0	ug/L	5.0	01/11/21 01:10	
EPA 6010	Cobalt	1.3 I	ug/L	10.0	01/11/21 01:10	
EPA 6010	Iron	38800	ug/L	80.0	01/11/21 20:23	
EPA 6010	Nickel	4.4 I	ug/L	5.0	01/11/21 01:10	
EPA 6010	Sodium	51.1	mg/L	2.0	01/11/21 01:10	
EPA 6010	Vanadium	2.6 I	ug/L	10.0	01/11/21 01:10	
EPA 6020	Arsenic	1.8	ug/L	1.0	01/07/21 16:00	
EPA 8260	Ethylbenzene	0.57 I	ug/L	1.0	01/07/21 06:57	
SM 2540C	Total Dissolved Solids	1180	mg/L	10.0	01/07/21 10:03	
EPA 300.0	Chloride	86.6	mg/L	50.0	01/15/21 18:25	
EPA 350.1	Nitrogen, Ammonia	0.21	mg/L	0.050	01/07/21 11:00	
35602573003	**B34-2**					
	Field pH	7.05	Std. Units		01/06/21 11:38	
	Field Temperature	20.0	deg C		01/06/21 11:38	
	Appearance	Color: yellow, Sheen: none			01/06/21 11:38	
	Field Specific Conductance	899	umhos/cm		01/06/21 11:38	
	Oxygen, Dissolved	0.75	mg/L		01/06/21 11:38	
	REDOX	-132.1	mV		01/06/21 11:38	
	Turbidity	13.5	NTU		01/06/21 11:38	
	Water Level(NGVD)	29.89	feet		01/06/21 11:38	
EPA 6010	Barium	48.3	ug/L	10.0	01/11/21 01:13	
EPA 6010	Iron	14000	ug/L	40.0	01/11/21 01:13	
EPA 6010	Nickel	3.9 I	ug/L	5.0	01/11/21 01:13	
EPA 6010	Sodium	14.8	mg/L	2.0	01/11/21 01:13	
EPA 6010	Vanadium	4.4 I	ug/L	10.0	01/11/21 01:13	
EPA 6020	Arsenic	1.8	ug/L	1.0	01/07/21 16:08	
SM 2540C	Total Dissolved Solids	572	mg/L	5.0	01/07/21 10:03	
EPA 300.0	Chloride	28.5	mg/L	5.0	01/15/21 18:48	

REPORT OF LABORATORY ANALYSIS

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(386)672-5668

SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35602573003	**B34-2**					
EPA 350.1	Nitrogen, Ammonia	0.26	mg/L	0.050	01/07/21 11:01	
35602573004	**FA-1B**					
	Field pH	7.13	Std. Units		01/06/21 12:25	
	Field Temperature	22.2	deg C		01/06/21 12:25	
	Appearance	Color: none, Sheen: none			01/06/21 12:25	
	Field Specific Conductance	573	umhos/cm		01/06/21 12:25	
	Oxygen, Dissolved	0.27	mg/L		01/06/21 12:25	
	REDOX	-132.1	mV		01/06/21 12:25	
	Turbidity	1.54	NTU		01/06/21 12:25	
	Water Level(NGVD)	21.15	feet		01/06/21 12:25	
EPA 6010	Barium	26.2	ug/L	10.0	01/11/21 01:16	
EPA 6010	Cobalt	1.1 I	ug/L	10.0	01/11/21 01:16	
EPA 6010	Iron	497	ug/L	40.0	01/11/21 01:16	
EPA 6010	Sodium	10.4	mg/L	2.0	01/11/21 01:16	
EPA 6010	Vanadium	2.5 I	ug/L	10.0	01/11/21 01:16	
SM 2540C	Total Dissolved Solids	353	mg/L	5.0	01/07/21 10:03	
EPA 300.0	Chloride	14.5	mg/L	5.0	01/15/21 19:10	
EPA 350.1	Nitrogen, Ammonia	0.42	mg/L	0.050	01/07/21 11:03	
35602573005	**B63-1**					
	Field pH	6.76	Std. Units		01/06/21 14:04	
	Field Temperature	22.7	deg C		01/06/21 14:04	
	Appearance	Color: yellow, Sheen: none			01/06/21 14:04	
	Field Specific Conductance	531	umhos/cm		01/06/21 14:04	
	Oxygen, Dissolved	0.34	mg/L		01/06/21 14:04	
	REDOX	-136.4	mV		01/06/21 14:04	
	Turbidity	1.96	NTU		01/06/21 14:04	
	Water Level(NGVD)	28.58	feet		01/06/21 14:04	
EPA 6010	Barium	41.7	ug/L	10.0	01/11/21 01:19	
EPA 6010	Iron	2340	ug/L	40.0	01/11/21 01:19	
EPA 6010	Sodium	44.2	mg/L	2.0	01/11/21 01:19	
EPA 6010	Vanadium	1.3 I	ug/L	10.0	01/11/21 01:19	
SM 2540C	Total Dissolved Solids	326	mg/L	5.0	01/07/21 10:03	
EPA 300.0	Chloride	47.5	mg/L	5.0	01/15/21 19:32	
EPA 350.1	Nitrogen, Ammonia	0.10	mg/L	0.050	01/07/21 11:05	
35602573006	**FA-1B Dup**					
	Field pH	7.13	Std. Units		01/06/21 12:25	
	Field Temperature	22.2	deg C		01/06/21 12:25	
	Appearance	Color: none, Sheen: none			01/06/21 12:25	

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35602573006	**FA-1B Dup**					
	Field Specific Conductance	573	umhos/cm		01/06/21 12:25	
	Oxygen, Dissolved	0.27	mg/L		01/06/21 12:25	
	REDOX	-132.1	mV		01/06/21 12:25	
	Turbidity	1.54	NTU		01/06/21 12:25	
	Water Level(NGVD)	21.15	feet		01/06/21 12:25	
EPA 6010	Barium	24.9	ug/L	10.0	01/11/21 01:22	
EPA 6010	Iron	469	ug/L	40.0	01/11/21 01:22	
EPA 6010	Sodium	10.2	mg/L	2.0	01/11/21 01:22	
EPA 6010	Vanadium	1.3 I	ug/L	10.0	01/11/21 01:22	
SM 2540C	Total Dissolved Solids	355	mg/L	5.0	01/07/21 10:03	
EPA 300.0	Chloride	14.4	mg/L	5.0	01/15/21 19:55	
EPA 350.1	Nitrogen, Ammonia	0.42	mg/L	0.050	01/07/21 11:06	
35602573007	**B63-2**					
	Field pH	6.96	Std. Units		01/06/21 14:29	
	Field Temperature	20.9	deg C		01/06/21 14:29	
	Appearance	Color: yellow, Sheen: none			01/06/21 14:29	
	Field Specific Conductance	705	umhos/cm		01/06/21 14:29	
	Oxygen, Dissolved	0.27	mg/L		01/06/21 14:29	
	REDOX	-134.6	mV		01/06/21 14:29	
	Turbidity	15.3	NTU		01/06/21 14:29	
	Water Level(NGVD)	28.58	feet		01/06/21 14:29	
EPA 6010	Barium	46.6	ug/L	10.0	01/11/21 01:25	
EPA 6010	Iron	5120	ug/L	40.0	01/11/21 01:25	
EPA 6010	Sodium	52.7	mg/L	2.0	01/11/21 01:25	
EPA 6010	Vanadium	2.3 I	ug/L	10.0	01/11/21 01:25	
EPA 6020	Arsenic	0.74 I	ug/L	1.0	01/07/21 16:13	
SM 2540C	Total Dissolved Solids	416	mg/L	5.0	01/07/21 10:03	
EPA 300.0	Chloride	54.3	mg/L	5.0	01/15/21 21:47	J(M1)
EPA 350.1	Nitrogen, Ammonia	0.074	mg/L	0.050	01/07/21 11:08	
35602573008	**B38-2**					
	Field pH	6.12	Std. Units		01/06/21 15:14	
	Field Temperature	19.4	deg C		01/06/21 15:14	
	Appearance	Color: yellow, Sheen: none			01/06/21 15:14	
	Field Specific Conductance	548.5	umhos/cm		01/06/21 15:14	
	Oxygen, Dissolved	0.24	mg/L		01/06/21 15:14	
	REDOX	121.1	mV		01/06/21 15:14	
	Turbidity	9.87	NTU		01/06/21 15:14	
	Water Level(NGVD)	26.72	feet		01/06/21 15:14	
EPA 6010	Barium	34.7	ug/L	10.0	01/11/21 20:32	
EPA 6010	Iron	11900	ug/L	40.0	01/11/21 20:32	
EPA 6010	Sodium	21.6	mg/L	2.0	01/11/21 20:32	

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35602573008	**B38-2**					
EPA 6010	Vanadium	1.6 I	ug/L	10.0	01/11/21 20:32	
EPA 6020	Arsenic	2.8	ug/L	1.0	01/07/21 16:14	
SM 2540C	Total Dissolved Solids	400	mg/L	5.0	01/07/21 10:03	
EPA 300.0	Chloride	17.9	mg/L	5.0	01/15/21 22:54	
EPA 350.1	Nitrogen, Ammonia	2.0	mg/L	0.050	01/07/21 11:10	
35602573009	**B38-1**					
	Field pH	5.37	Std. Units		01/06/21 15:59	
	Field Temperature	22.0	deg C		01/06/21 15:59	
	Appearance	Color: yellow, Sheen: none			01/06/21 15:59	
	Field Specific Conductance	369.0	umhos/cm		01/06/21 15:59	
	Oxygen, Dissolved	0.60	mg/L		01/06/21 15:59	
	REDOX	-112.1	mV		01/06/21 15:59	
	Turbidity	2.34	NTU		01/06/21 15:59	
	Water Level(NGVD)	25.32	feet		01/06/21 15:59	
EPA 6010	Barium	105	ug/L	10.0	01/11/21 20:37	
EPA 6010	Beryllium	0.27 I	ug/L	4.0	01/11/21 20:37	
EPA 6010	Iron	22200	ug/L	40.0	01/11/21 20:37	
EPA 6010	Sodium	31.8	mg/L	2.0	01/11/21 20:37	
EPA 6010	Vanadium	1.6 I	ug/L	10.0	01/11/21 20:37	
SM 2540C	Total Dissolved Solids	247	mg/L	5.0	01/07/21 10:03	
EPA 300.0	Chloride	75.2	mg/L	5.0	01/15/21 23:17	
EPA 350.1	Nitrogen, Ammonia	0.093	mg/L	0.050	01/07/21 11:11	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: EQ Blank 1/6/21 **Lab ID: 35602573001** Collected: 01/06/21 10:25 Received: 01/06/21 16:39 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/07/21 10:28	01/07/21 19:21	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	01/07/21 10:28	01/07/21 19:21	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**7.8 I**	ug/L	10.0	0.84	1	01/07/21 00:22	01/11/21 01:06	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/07/21 00:22	01/11/21 01:06	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/07/21 00:22	01/11/21 01:06	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/07/21 00:22	01/11/21 01:06	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/07/21 00:22	01/11/21 01:06	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/07/21 00:22	01/11/21 01:06	7440-50-8	
Iron	**48.0**	ug/L	40.0	25.0	1	01/07/21 00:22	01/11/21 01:06	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/07/21 00:22	01/11/21 01:06	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/07/21 00:22	01/11/21 01:06	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/07/21 00:22	01/11/21 01:06	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/07/21 00:22	01/11/21 01:06	7440-22-4	
Sodium	**0.54 U**	mg/L	2.0	0.54	1	01/07/21 00:22	01/11/21 01:06	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	01/07/21 00:22	01/11/21 01:06	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/07/21 00:22	01/11/21 01:06	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/07/21 00:22	01/07/21 15:58	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/07/21 00:22	01/07/21 15:58	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/07/21 00:22	01/07/21 15:58	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/07/21 08:53	01/11/21 13:16	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/07/21 01:04	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/07/21 01:04	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 01:04	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 01:04	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/07/21 01:04	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/07/21 01:04	75-25-2	J(v1)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/07/21 01:04	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/07/21 01:04	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 01:04	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/07/21 01:04	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 01:04	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/07/21 01:04	75-00-3	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: EQ Blank 1/6/21 **Lab ID: 35602573001** Collected: 01/06/21 10:25 Received: 01/06/21 16:39 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	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 01:04	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/07/21 01:04	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/07/21 01:04	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/07/21 01:04	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/07/21 01:04	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/07/21 01:04	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/07/21 01:04	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/07/21 01:04	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 01:04	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 01:04	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 01:04	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 01:04	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 01:04	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/07/21 01:04	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 01:04	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 01:04	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/07/21 01:04	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/07/21 01:04	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/07/21 01:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/07/21 01:04	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/07/21 01:04	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 01:04	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 01:04	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/07/21 01:04	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/07/21 01:04	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 01:04	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 01:04	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/07/21 01:04	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 01:04	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/07/21 01:04	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 01:04	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/07/21 01:04	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/07/21 01:04	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/07/21 01:04	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		01/07/21 01:04	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		01/07/21 01:04	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**6.0**	mg/L	5.0	5.0	1		01/07/21 10:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		01/15/21 18:03	16887-00-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: EQ Blank 1/6/21 **Lab ID: 35602573001** Collected: 01/06/21 10:25 Received: 01/06/21 16:39 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	**0.035 U**	mg/L	0.050	0.035	1		01/07/21 10:58	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		01/07/21 12:31	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: B34-1 **Lab ID: 35602573002** Collected: 01/06/21 11:15 Received: 01/06/21 16:39 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.72**	Std. Units			1		01/06/21 11:15		
Field Temperature	**22.2**	deg C			1		01/06/21 11:15		
Appearance	**Color: yellow, Sheen: none**				1		01/06/21 11:15		
Field Specific Conductance	**1772**	umhos/cm			1		01/06/21 11:15		
Oxygen, Dissolved	**0.34**	mg/L			1		01/06/21 11:15	7782-44-7	
REDOX	**-139.7**	mV			1		01/06/21 11:15		
Turbidity	**1.73**	NTU			1		01/06/21 11:15		
Water Level(NGVD)	**28.71**	feet			1		01/06/21 11:15		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	01/07/21 10:28	01/07/21 20:06	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	01/07/21 10:28	01/07/21 20:06	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**215**	ug/L	10.0	0.84	1	01/07/21 00:22	01/11/21 01:10	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/07/21 00:22	01/11/21 01:10	7440-41-7	
Cadmium	**0.66 U**	ug/L	2.0	0.66	2	01/07/21 00:22	01/11/21 20:23	7440-43-9	
Chromium	**8.0**	ug/L	5.0	1.7	1	01/07/21 00:22	01/11/21 01:10	7440-47-3	
Cobalt	**1.3 I**	ug/L	10.0	0.96	1	01/07/21 00:22	01/11/21 01:10	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/07/21 00:22	01/11/21 01:10	7440-50-8	
Iron	**38800**	ug/L	80.0	50.0	2	01/07/21 00:22	01/11/21 20:23	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/07/21 00:22	01/11/21 01:10	7439-92-1	
Nickel	**4.4 I**	ug/L	5.0	2.1	1	01/07/21 00:22	01/11/21 01:10	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/07/21 00:22	01/11/21 01:10	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/07/21 00:22	01/11/21 01:10	7440-22-4	
Sodium	**51.1**	mg/L	2.0	0.54	1	01/07/21 00:22	01/11/21 01:10	7440-23-5	
Vanadium	**2.6 I**	ug/L	10.0	1.0	1	01/07/21 00:22	01/11/21 01:10	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/07/21 00:22	01/11/21 01:10	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	01/07/21 00:22	01/07/21 16:00	7440-36-0	
Arsenic	**1.8**	ug/L	1.0	0.50	1	01/07/21 00:22	01/07/21 16:00	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/07/21 00:22	01/07/21 16:00	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/07/21 08:53	01/11/21 13:18	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: B34-1 **Lab ID: 35602573002** Collected: 01/06/21 11:15 Received: 01/06/21 16:39 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/07/21 06:57	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/07/21 06:57	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 06:57	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 06:57	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/07/21 06:57	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/07/21 06:57	75-25-2	J(v1)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/07/21 06:57	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/07/21 06:57	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 06:57	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/07/21 06:57	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 06:57	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/07/21 06:57	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 06:57	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/07/21 06:57	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/07/21 06:57	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/07/21 06:57	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/07/21 06:57	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/07/21 06:57	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/07/21 06:57	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/07/21 06:57	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 06:57	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 06:57	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 06:57	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 06:57	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 06:57	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/07/21 06:57	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 06:57	10061-02-6	
Ethylbenzene	**0.57 I**	ug/L	1.0	0.30	1		01/07/21 06:57	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/07/21 06:57	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/07/21 06:57	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/07/21 06:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/07/21 06:57	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/07/21 06:57	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 06:57	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 06:57	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/07/21 06:57	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/07/21 06:57	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 06:57	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 06:57	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/07/21 06:57	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 06:57	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/07/21 06:57	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 06:57	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/07/21 06:57	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/07/21 06:57	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: B34-1 **Lab ID: 35602573002** Collected: 01/06/21 11:15 Received: 01/06/21 16:39 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)	98	%	70-130		1		01/07/21 06:57	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		01/07/21 06:57	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/07/21 06:57	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**1180**	mg/L	10.0	10.0	1		01/07/21 10:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**86.6**	mg/L	50.0	25.0	10		01/15/21 18:25	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.21**	mg/L	0.050	0.035	1		01/07/21 11:00	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		01/07/21 12:37	14797-55-8	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: B34-2 **Lab ID: 35602573003** Collected: 01/06/21 11:38 Received: 01/06/21 16:39 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		01/06/21 11:38		
Field Temperature	**20.0**	deg C			1		01/06/21 11:38		
Appearance	**Color: yellow, Sheen: none**				1		01/06/21 11:38		
Field Specific Conductance	**899**	umhos/cm			1		01/06/21 11:38		
Oxygen, Dissolved	**0.75**	mg/L			1		01/06/21 11:38	7782-44-7	
REDOX	**-132.1**	mV			1		01/06/21 11:38		
Turbidity	**13.5**	NTU			1		01/06/21 11:38		
Water Level(NGVD)	**29.89**	feet			1		01/06/21 11:38		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0066 U**	ug/L	0.021	0.0066	1	01/07/21 10:28	01/07/21 20:21	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	01/07/21 10:28	01/07/21 20:21	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**48.3**	ug/L	10.0	0.84	1	01/07/21 00:22	01/11/21 01:13	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/07/21 00:22	01/11/21 01:13	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/07/21 00:22	01/11/21 01:13	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/07/21 00:22	01/11/21 01:13	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/07/21 00:22	01/11/21 01:13	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/07/21 00:22	01/11/21 01:13	7440-50-8	
Iron	**14000**	ug/L	40.0	25.0	1	01/07/21 00:22	01/11/21 01:13	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/07/21 00:22	01/11/21 01:13	7439-92-1	
Nickel	**3.9 I**	ug/L	5.0	2.1	1	01/07/21 00:22	01/11/21 01:13	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/07/21 00:22	01/11/21 01:13	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/07/21 00:22	01/11/21 01:13	7440-22-4	
Sodium	**14.8**	mg/L	2.0	0.54	1	01/07/21 00:22	01/11/21 01:13	7440-23-5	
Vanadium	**4.4 I**	ug/L	10.0	1.0	1	01/07/21 00:22	01/11/21 01:13	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/07/21 00:22	01/11/21 01:13	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	01/07/21 00:22	01/07/21 16:08	7440-36-0	
Arsenic	**1.8**	ug/L	1.0	0.50	1	01/07/21 00:22	01/07/21 16:08	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/07/21 00:22	01/07/21 16:08	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/07/21 08:53	01/11/21 13:21	7439-97-6	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: B34-2 **Lab ID: 35602573003** Collected: 01/06/21 11:38 Received: 01/06/21 16:39 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/07/21 07:24	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/07/21 07:24	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 07:24	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 07:24	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/07/21 07:24	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/07/21 07:24	75-25-2	J(v1)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/07/21 07:24	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/07/21 07:24	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 07:24	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/07/21 07:24	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 07:24	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/07/21 07:24	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 07:24	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/07/21 07:24	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/07/21 07:24	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/07/21 07:24	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/07/21 07:24	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/07/21 07:24	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/07/21 07:24	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/07/21 07:24	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 07:24	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 07:24	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 07:24	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 07:24	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 07:24	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/07/21 07:24	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 07:24	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 07:24	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/07/21 07:24	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/07/21 07:24	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/07/21 07:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/07/21 07:24	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/07/21 07:24	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 07:24	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 07:24	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/07/21 07:24	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/07/21 07:24	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 07:24	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 07:24	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/07/21 07:24	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 07:24	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/07/21 07:24	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 07:24	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/07/21 07:24	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/07/21 07:24	1330-20-7	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: B34-2 **Lab ID: 35602573003** Collected: 01/06/21 11:38 Received: 01/06/21 16:39 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)	98	%	70-130		1		01/07/21 07:24	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		01/07/21 07:24	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/07/21 07:24	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**572**	mg/L	5.0	5.0	1		01/07/21 10:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**28.5**	mg/L	5.0	2.5	1		01/15/21 18:48	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.26**	mg/L	0.050	0.035	1		01/07/21 11:01	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		01/07/21 12:40	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: FA-1B **Lab ID: 35602573004** Collected: 01/06/21 12:25 Received: 01/06/21 16:39 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.13**	Std. Units			1		01/06/21 12:25		
Field Temperature	**22.2**	deg C			1		01/06/21 12:25		
Appearance	**Color: none, Sheen: none**				1		01/06/21 12:25		
Field Specific Conductance	**573**	umhos/cm			1		01/06/21 12:25		
Oxygen, Dissolved	**0.27**	mg/L			1		01/06/21 12:25	7782-44-7	
REDOX	**-132.1**	mV			1		01/06/21 12:25		
Turbidity	**1.54**	NTU			1		01/06/21 12:25		
Water Level(NGVD)	**21.15**	feet			1		01/06/21 12:25		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/07/21 10:28	01/07/21 20:36	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	01/07/21 10:28	01/07/21 20:36	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**26.2**	ug/L	10.0	0.84	1	01/07/21 00:22	01/11/21 01:16	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/07/21 00:22	01/11/21 01:16	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/07/21 00:22	01/11/21 01:16	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/07/21 00:22	01/11/21 01:16	7440-47-3	
Cobalt	**1.1 I**	ug/L	10.0	0.96	1	01/07/21 00:22	01/11/21 01:16	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/07/21 00:22	01/11/21 01:16	7440-50-8	
Iron	**497**	ug/L	40.0	25.0	1	01/07/21 00:22	01/11/21 01:16	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/07/21 00:22	01/11/21 01:16	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/07/21 00:22	01/11/21 01:16	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/07/21 00:22	01/11/21 01:16	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/07/21 00:22	01/11/21 01:16	7440-22-4	
Sodium	**10.4**	mg/L	2.0	0.54	1	01/07/21 00:22	01/11/21 01:16	7440-23-5	
Vanadium	**2.5 I**	ug/L	10.0	1.0	1	01/07/21 00:22	01/11/21 01:16	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/07/21 00:22	01/11/21 01:16	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/07/21 00:22	01/07/21 16:09	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/07/21 00:22	01/07/21 16:09	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/07/21 00:22	01/07/21 16:09	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/07/21 08:53	01/11/21 13:23	7439-97-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: FA-1B **Lab ID: 35602573004** Collected: 01/06/21 12:25 Received: 01/06/21 16:39 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/07/21 07:50	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/07/21 07:50	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 07:50	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 07:50	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/07/21 07:50	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/07/21 07:50	75-25-2	J(v1)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/07/21 07:50	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/07/21 07:50	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 07:50	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/07/21 07:50	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 07:50	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/07/21 07:50	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 07:50	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/07/21 07:50	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/07/21 07:50	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/07/21 07:50	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/07/21 07:50	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/07/21 07:50	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/07/21 07:50	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/07/21 07:50	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 07:50	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 07:50	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 07:50	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 07:50	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 07:50	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/07/21 07:50	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 07:50	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 07:50	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/07/21 07:50	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/07/21 07:50	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/07/21 07:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/07/21 07:50	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/07/21 07:50	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 07:50	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 07:50	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/07/21 07:50	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/07/21 07:50	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 07:50	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 07:50	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/07/21 07:50	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 07:50	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/07/21 07:50	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 07:50	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/07/21 07:50	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/07/21 07:50	1330-20-7	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: FA-1B **Lab ID: 35602573004** Collected: 01/06/21 12:25 Received: 01/06/21 16:39 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		01/07/21 07:50	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		01/07/21 07:50	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/07/21 07:50	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**353**	mg/L	5.0	5.0	1		01/07/21 10:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**14.5**	mg/L	5.0	2.5	1		01/15/21 19:10	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.42**	mg/L	0.050	0.035	1		01/07/21 11:03	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		01/07/21 12:42	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: B63-1 **Lab ID: 35602573005** Collected: 01/06/21 14:04 Received: 01/06/21 16:39 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.76**	Std. Units			1		01/06/21 14:04		
Field Temperature	**22.7**	deg C			1		01/06/21 14:04		
Appearance	**Color: yellow, Sheen: none**				1		01/06/21 14:04		
Field Specific Conductance	**531**	umhos/cm			1		01/06/21 14:04		
Oxygen, Dissolved	**0.34**	mg/L			1		01/06/21 14:04	7782-44-7	
REDOX	**-136.4**	mV			1		01/06/21 14:04		
Turbidity	**1.96**	NTU			1		01/06/21 14:04		
Water Level(NGVD)	**28.58**	feet			1		01/06/21 14:04		
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	01/07/21 10:28	01/07/21 20:51	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	01/07/21 10:28	01/07/21 20:51	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**41.7**	ug/L	10.0	0.84	1	01/07/21 00:22	01/11/21 01:19	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/07/21 00:22	01/11/21 01:19	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/07/21 00:22	01/11/21 01:19	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/07/21 00:22	01/11/21 01:19	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/07/21 00:22	01/11/21 01:19	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/07/21 00:22	01/11/21 01:19	7440-50-8	
Iron	**2340**	ug/L	40.0	25.0	1	01/07/21 00:22	01/11/21 01:19	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/07/21 00:22	01/11/21 01:19	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/07/21 00:22	01/11/21 01:19	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/07/21 00:22	01/11/21 01:19	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/07/21 00:22	01/11/21 01:19	7440-22-4	
Sodium	**44.2**	mg/L	2.0	0.54	1	01/07/21 00:22	01/11/21 01:19	7440-23-5	
Vanadium	**1.3 I**	ug/L	10.0	1.0	1	01/07/21 00:22	01/11/21 01:19	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/07/21 00:22	01/11/21 01:19	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/07/21 00:22	01/07/21 16:10	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/07/21 00:22	01/07/21 16:10	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/07/21 00:22	01/07/21 16:10	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/07/21 08:53	01/11/21 13:25	7439-97-6	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: B63-1 **Lab ID: 35602573005** Collected: 01/06/21 14:04 Received: 01/06/21 16:39 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/07/21 08:17	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/07/21 08:17	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 08:17	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 08:17	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/07/21 08:17	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/07/21 08:17	75-25-2	J(v1)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/07/21 08:17	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/07/21 08:17	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 08:17	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/07/21 08:17	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 08:17	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/07/21 08:17	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 08:17	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/07/21 08:17	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/07/21 08:17	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/07/21 08:17	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/07/21 08:17	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/07/21 08:17	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/07/21 08:17	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/07/21 08:17	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 08:17	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 08:17	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 08:17	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 08:17	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 08:17	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/07/21 08:17	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 08:17	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 08:17	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/07/21 08:17	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/07/21 08:17	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/07/21 08:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/07/21 08:17	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/07/21 08:17	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 08:17	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 08:17	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/07/21 08:17	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/07/21 08:17	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 08:17	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 08:17	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/07/21 08:17	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 08:17	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/07/21 08:17	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 08:17	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/07/21 08:17	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/07/21 08:17	1330-20-7	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: B63-1 **Lab ID: 35602573005** Collected: 01/06/21 14:04 Received: 01/06/21 16:39 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)	97	%	70-130		1		01/07/21 08:17	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		01/07/21 08:17	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/07/21 08:17	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**326**	mg/L	5.0	5.0	1		01/07/21 10:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**47.5**	mg/L	5.0	2.5	1		01/15/21 19:32	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.10**	mg/L	0.050	0.035	1		01/07/21 11:05	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		01/07/21 12:49	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: FA-1B Dup **Lab ID: 35602573006** Collected: 01/06/21 12:25 Received: 01/06/21 16:39 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.13**	Std. Units			1		01/06/21 12:25		
Field Temperature	**22.2**	deg C			1		01/06/21 12:25		
Appearance	**Color: none, Sheen: none**				1		01/06/21 12:25		
Field Specific Conductance	**573**	umhos/cm			1		01/06/21 12:25		
Oxygen, Dissolved	**0.27**	mg/L			1		01/06/21 12:25	7782-44-7	
REDOX	**-132.1**	mV			1		01/06/21 12:25		
Turbidity	**1.54**	NTU			1		01/06/21 12:25		
Water Level(NGVD)	**21.15**	feet			1		01/06/21 12:25		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0066 U**	ug/L	0.020	0.0066	1	01/07/21 10:28	01/07/21 21:06	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	01/07/21 10:28	01/07/21 21:06	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**24.9**	ug/L	10.0	0.84	1	01/07/21 00:22	01/11/21 01:22	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/07/21 00:22	01/11/21 01:22	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/07/21 00:22	01/11/21 01:22	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/07/21 00:22	01/11/21 01:22	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/07/21 00:22	01/11/21 01:22	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/07/21 00:22	01/11/21 01:22	7440-50-8	
Iron	**469**	ug/L	40.0	25.0	1	01/07/21 00:22	01/11/21 01:22	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/07/21 00:22	01/11/21 01:22	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/07/21 00:22	01/11/21 01:22	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/07/21 00:22	01/11/21 01:22	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/07/21 00:22	01/11/21 01:22	7440-22-4	
Sodium	**10.2**	mg/L	2.0	0.54	1	01/07/21 00:22	01/11/21 01:22	7440-23-5	
Vanadium	**1.3 I**	ug/L	10.0	1.0	1	01/07/21 00:22	01/11/21 01:22	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/07/21 00:22	01/11/21 01:22	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	01/07/21 00:22	01/07/21 16:12	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/07/21 00:22	01/07/21 16:12	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/07/21 00:22	01/07/21 16:12	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/08/21 12:19	01/11/21 14:16	7439-97-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: FA-1B Dup **Lab ID: 35602573006** Collected: 01/06/21 12:25 Received: 01/06/21 16:39 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/07/21 08:45	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/07/21 08:45	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 08:45	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 08:45	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/07/21 08:45	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/07/21 08:45	75-25-2	J(v1)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/07/21 08:45	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/07/21 08:45	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 08:45	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/07/21 08:45	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 08:45	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/07/21 08:45	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 08:45	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/07/21 08:45	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/07/21 08:45	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/07/21 08:45	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/07/21 08:45	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/07/21 08:45	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/07/21 08:45	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/07/21 08:45	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 08:45	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 08:45	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 08:45	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 08:45	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 08:45	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/07/21 08:45	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 08:45	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 08:45	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/07/21 08:45	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/07/21 08:45	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/07/21 08:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/07/21 08:45	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/07/21 08:45	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 08:45	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 08:45	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/07/21 08:45	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/07/21 08:45	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 08:45	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 08:45	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/07/21 08:45	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 08:45	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/07/21 08:45	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 08:45	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/07/21 08:45	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/07/21 08:45	1330-20-7	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: FA-1B Dup **Lab ID: 35602573006** Collected: 01/06/21 12:25 Received: 01/06/21 16:39 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)	97	%	70-130		1		01/07/21 08:45	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		01/07/21 08:45	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/07/21 08:45	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**355**	mg/L	5.0	5.0	1		01/07/21 10:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**14.4**	mg/L	5.0	2.5	1		01/15/21 19:55	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.42**	mg/L	0.050	0.035	1		01/07/21 11:06	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		01/07/21 12:44	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: B63-2 **Lab ID: 35602573007** Collected: 01/06/21 14:29 Received: 01/06/21 16:39 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.96**	Std. Units			1		01/06/21 14:29		
Field Temperature	**20.9**	deg C			1		01/06/21 14:29		
Appearance	**Color: yellow, Sheen: none**				1		01/06/21 14:29		
Field Specific Conductance	**705**	umhos/cm			1		01/06/21 14:29		
Oxygen, Dissolved	**0.27**	mg/L			1		01/06/21 14:29	7782-44-7	
REDOX	**-134.6**	mV			1		01/06/21 14:29		
Turbidity	**15.3**	NTU			1		01/06/21 14:29		
Water Level(NGVD)	**28.58**	feet			1		01/06/21 14:29		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0066 U**	ug/L	0.021	0.0066	1	01/07/21 10:28	01/07/21 21:36	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	01/07/21 10:28	01/07/21 21:36	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**46.6**	ug/L	10.0	0.84	1	01/07/21 00:22	01/11/21 01:25	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/07/21 00:22	01/11/21 01:25	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/07/21 00:22	01/11/21 01:25	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/07/21 00:22	01/11/21 01:25	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/07/21 00:22	01/11/21 01:25	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/07/21 00:22	01/11/21 01:25	7440-50-8	
Iron	**5120**	ug/L	40.0	25.0	1	01/07/21 00:22	01/11/21 01:25	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/07/21 00:22	01/11/21 01:25	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/07/21 00:22	01/11/21 01:25	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/07/21 00:22	01/11/21 01:25	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/07/21 00:22	01/11/21 01:25	7440-22-4	
Sodium	**52.7**	mg/L	2.0	0.54	1	01/07/21 00:22	01/11/21 01:25	7440-23-5	
Vanadium	**2.3 I**	ug/L	10.0	1.0	1	01/07/21 00:22	01/11/21 01:25	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/07/21 00:22	01/11/21 01:25	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/07/21 00:22	01/07/21 16:13	7440-36-0	
Arsenic	**0.74 I**	ug/L	1.0	0.50	1	01/07/21 00:22	01/07/21 16:13	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/07/21 00:22	01/07/21 16:13	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/08/21 12:19	01/11/21 14:18	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: B63-2 **Lab ID: 35602573007** Collected: 01/06/21 14:29 Received: 01/06/21 16:39 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/07/21 09:12	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/07/21 09:12	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 09:12	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 09:12	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/07/21 09:12	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/07/21 09:12	75-25-2	J(v1)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/07/21 09:12	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/07/21 09:12	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 09:12	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/07/21 09:12	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 09:12	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/07/21 09:12	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 09:12	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/07/21 09:12	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/07/21 09:12	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/07/21 09:12	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/07/21 09:12	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/07/21 09:12	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/07/21 09:12	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/07/21 09:12	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 09:12	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 09:12	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 09:12	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 09:12	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 09:12	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/07/21 09:12	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 09:12	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 09:12	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/07/21 09:12	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/07/21 09:12	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/07/21 09:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/07/21 09:12	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/07/21 09:12	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 09:12	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 09:12	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/07/21 09:12	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/07/21 09:12	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 09:12	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 09:12	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/07/21 09:12	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 09:12	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/07/21 09:12	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 09:12	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/07/21 09:12	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/07/21 09:12	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: B63-2 **Lab ID: 35602573007** Collected: 01/06/21 14:29 Received: 01/06/21 16:39 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)	98	%	70-130		1		01/07/21 09:12	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		01/07/21 09:12	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/07/21 09:12	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**416**	mg/L	5.0	5.0	1		01/07/21 10:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**54.3**	mg/L	5.0	2.5	1		01/15/21 21:47	16887-00-6	J(M1)
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.074**	mg/L	0.050	0.035	1		01/07/21 11:08	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		01/07/21 13:20	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: B38-2 **Lab ID: 35602573008** Collected: 01/06/21 15:14 Received: 01/06/21 16:39 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.12**	Std. Units			1		01/06/21 15:14		
Field Temperature	**19.4**	deg C			1		01/06/21 15:14		
Appearance	**Color: yellow, Sheen: none**				1		01/06/21 15:14		
Field Specific Conductance	**548.5**	umhos/cm			1		01/06/21 15:14		
Oxygen, Dissolved	**0.24**	mg/L			1		01/06/21 15:14	7782-44-7	
REDOX	**121.1**	mV			1		01/06/21 15:14		
Turbidity	**9.87**	NTU			1		01/06/21 15:14		
Water Level(NGVD)	**26.72**	feet			1		01/06/21 15:14		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	01/07/21 10:28	01/07/21 21:51	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	01/07/21 10:28	01/07/21 21:51	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**34.7**	ug/L	10.0	0.84	1	01/07/21 00:22	01/11/21 20:32	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/07/21 00:22	01/11/21 20:32	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/07/21 00:22	01/11/21 20:32	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/07/21 00:22	01/11/21 20:32	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/07/21 00:22	01/11/21 20:32	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/07/21 00:22	01/11/21 20:32	7440-50-8	
Iron	**11900**	ug/L	40.0	25.0	1	01/07/21 00:22	01/11/21 20:32	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/07/21 00:22	01/11/21 20:32	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/07/21 00:22	01/11/21 20:32	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/07/21 00:22	01/11/21 20:32	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/07/21 00:22	01/11/21 20:32	7440-22-4	
Sodium	**21.6**	mg/L	2.0	0.54	1	01/07/21 00:22	01/11/21 20:32	7440-23-5	
Vanadium	**1.6 I**	ug/L	10.0	1.0	1	01/07/21 00:22	01/11/21 20:32	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/07/21 00:22	01/11/21 20:32	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/07/21 00:22	01/07/21 16:14	7440-36-0	
Arsenic	**2.8**	ug/L	1.0	0.50	1	01/07/21 00:22	01/07/21 16:14	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/07/21 00:22	01/07/21 16:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/08/21 12:19	01/11/21 14:20	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: B38-2 **Lab ID: 35602573008** Collected: 01/06/21 15:14 Received: 01/06/21 16:39 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/07/21 09:39	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/07/21 09:39	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 09:39	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 09:39	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/07/21 09:39	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/07/21 09:39	75-25-2	J(v1)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/07/21 09:39	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/07/21 09:39	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 09:39	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/07/21 09:39	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 09:39	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/07/21 09:39	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 09:39	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/07/21 09:39	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/07/21 09:39	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/07/21 09:39	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/07/21 09:39	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/07/21 09:39	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/07/21 09:39	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/07/21 09:39	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 09:39	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 09:39	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 09:39	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 09:39	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 09:39	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/07/21 09:39	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 09:39	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 09:39	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/07/21 09:39	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/07/21 09:39	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/07/21 09:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/07/21 09:39	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/07/21 09:39	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 09:39	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 09:39	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/07/21 09:39	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/07/21 09:39	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 09:39	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 09:39	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/07/21 09:39	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 09:39	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/07/21 09:39	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 09:39	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/07/21 09:39	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/07/21 09:39	1330-20-7	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: B38-2 **Lab ID: 35602573008** Collected: 01/06/21 15:14 Received: 01/06/21 16:39 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)	97	%	70-130		1		01/07/21 09:39	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		01/07/21 09:39	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/07/21 09:39	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**400**	mg/L	5.0	5.0	1		01/07/21 10:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**17.9**	mg/L	5.0	2.5	1		01/15/21 22:54	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**2.0**	mg/L	0.050	0.035	1		01/07/21 11:10	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		01/07/21 13:24	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: B38-1 **Lab ID: 35602573009** Collected: 01/06/21 15:59 Received: 01/06/21 16:39 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**5.37**	Std. Units			1		01/06/21 15:59		
Field Temperature	**22.0**	deg C			1		01/06/21 15:59		
Appearance	**Color: yellow, Sheen: none**				1		01/06/21 15:59		
Field Specific Conductance	**369.0**	umhos/cm			1		01/06/21 15:59		
Oxygen, Dissolved	**0.60**	mg/L			1		01/06/21 15:59	7782-44-7	
REDOX	**-112.1**	mV			1		01/06/21 15:59		
Turbidity	**2.34**	NTU			1		01/06/21 15:59		
Water Level(NGVD)	**25.32**	feet			1		01/06/21 15:59		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/07/21 10:28	01/07/21 22:06	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.0099	0.0075	1	01/07/21 10:28	01/07/21 22:06	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**105**	ug/L	10.0	0.84	1	01/07/21 00:22	01/11/21 20:37	7440-39-3	
Beryllium	**0.27 I**	ug/L	4.0	0.17	1	01/07/21 00:22	01/11/21 20:37	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/07/21 00:22	01/11/21 20:37	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/07/21 00:22	01/11/21 20:37	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/07/21 00:22	01/11/21 20:37	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/07/21 00:22	01/11/21 20:37	7440-50-8	
Iron	**22200**	ug/L	40.0	25.0	1	01/07/21 00:22	01/11/21 20:37	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/07/21 00:22	01/11/21 20:37	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/07/21 00:22	01/11/21 20:37	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/07/21 00:22	01/11/21 20:37	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/07/21 00:22	01/11/21 20:37	7440-22-4	
Sodium	**31.8**	mg/L	2.0	0.54	1	01/07/21 00:22	01/11/21 20:37	7440-23-5	
Vanadium	**1.6 I**	ug/L	10.0	1.0	1	01/07/21 00:22	01/11/21 20:37	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/07/21 00:22	01/11/21 20:37	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/07/21 00:22	01/07/21 16:16	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/07/21 00:22	01/07/21 16:16	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/07/21 00:22	01/07/21 16:16	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/08/21 12:19	01/11/21 14:27	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: B38-1 **Lab ID: 35602573009** Collected: 01/06/21 15:59 Received: 01/06/21 16:39 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/07/21 10:04	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/07/21 10:04	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 10:04	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 10:04	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/07/21 10:04	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/07/21 10:04	75-25-2	J(v1)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/07/21 10:04	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/07/21 10:04	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 10:04	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/07/21 10:04	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 10:04	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/07/21 10:04	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 10:04	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/07/21 10:04	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/07/21 10:04	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/07/21 10:04	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/07/21 10:04	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/07/21 10:04	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/07/21 10:04	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/07/21 10:04	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 10:04	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 10:04	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 10:04	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 10:04	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 10:04	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/07/21 10:04	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 10:04	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 10:04	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/07/21 10:04	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/07/21 10:04	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/07/21 10:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/07/21 10:04	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/07/21 10:04	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 10:04	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 10:04	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/07/21 10:04	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/07/21 10:04	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 10:04	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 10:04	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/07/21 10:04	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 10:04	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/07/21 10:04	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 10:04	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/07/21 10:04	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/07/21 10:04	1330-20-7	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: B38-1 **Lab ID: 35602573009** Collected: 01/06/21 15:59 Received: 01/06/21 16:39 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)	96	%	70-130		1		01/07/21 10:04	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		01/07/21 10:04	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/07/21 10:04	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**247**	mg/L	5.0	5.0	1		01/07/21 10:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**75.2**	mg/L	5.0	2.5	1		01/15/21 23:17	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.093**	mg/L	0.050	0.035	1		01/07/21 11:11	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.12 U**	mg/L	0.25	0.12	5		01/07/21 16:44	14797-55-8	D3

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: Trip Blank 1/6/21 **Lab ID: 35602573010** Collected: 01/06/21 00:00 Received: 01/06/21 16:39 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/07/21 00:09	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/07/21 00:09	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 00:09	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 00:09	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/07/21 00:09	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/07/21 00:09	75-25-2	J(v1)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/07/21 00:09	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/07/21 00:09	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 00:09	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/07/21 00:09	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 00:09	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/07/21 00:09	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 00:09	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/07/21 00:09	74-87-3	
1,2-Dibromo-3-chloropropane	**1.9 U**	ug/L	5.0	1.9	1		01/07/21 00:09	96-12-8	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/07/21 00:09	124-48-1	
1,2-Dibromoethane (EDB)	**0.31 U**	ug/L	1.0	0.31	1		01/07/21 00:09	106-93-4	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/07/21 00:09	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/07/21 00:09	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/07/21 00:09	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/07/21 00:09	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/07/21 00:09	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 00:09	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 00:09	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/07/21 00:09	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 00:09	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/07/21 00:09	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/07/21 00:09	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/07/21 00:09	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 00:09	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/07/21 00:09	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/07/21 00:09	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/07/21 00:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/07/21 00:09	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/07/21 00:09	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/07/21 00:09	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/07/21 00:09	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/07/21 00:09	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/07/21 00:09	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 00:09	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/07/21 00:09	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/07/21 00:09	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/07/21 00:09	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/07/21 00:09	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/07/21 00:09	108-05-4	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Sample: Trip Blank 1/6/21 **Lab ID: 35602573010** Collected: 01/06/21 00:00 Received: 01/06/21 16:39 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/07/21 00:09	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/07/21 00:09	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		01/07/21 00:09	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		01/07/21 00:09	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		01/07/21 00:09	2199-69-1	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

QC Batch: 694641
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005

METHOD BLANK: 3780966 Matrix: Water
Associated Lab Samples: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	01/11/21 12:19	

LABORATORY CONTROL SAMPLE: 3780967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3780968 3780969

Parameter	Units	35602308002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	2.0	2.0	100	100	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

QC Batch: 695090
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602573006, 35602573007, 35602573008, 35602573009

METHOD BLANK: 3783320 Matrix: Water
Associated Lab Samples: 35602573006, 35602573007, 35602573008, 35602573009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	01/11/21 13:32	

LABORATORY CONTROL SAMPLE: 3783321

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3783322 3783323

Parameter	Units	35602679001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	2.0	1.9	98	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

QC Batch: 694602
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005, 35602573006, 35602573007, 35602573008, 35602573009

METHOD BLANK: 3780769 Matrix: Water
Associated Lab Samples: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005, 35602573006, 35602573007, 35602573008, 35602573009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	01/08/21 12:00	
Beryllium	ug/L	0.17 U	4.0	0.17	01/08/21 12:00	
Cadmium	ug/L	0.33 U	1.0	0.33	01/08/21 12:00	
Chromium	ug/L	1.7 U	5.0	1.7	01/08/21 12:00	
Cobalt	ug/L	0.96 U	10.0	0.96	01/08/21 12:00	
Copper	ug/L	2.6 U	5.0	2.6	01/08/21 12:00	
Iron	ug/L	25.0 U	40.0	25.0	01/08/21 12:00	
Lead	ug/L	4.6 U	10.0	4.6	01/08/21 12:00	
Nickel	ug/L	2.1 U	5.0	2.1	01/08/21 12:00	
Selenium	ug/L	8.5 U	15.0	8.5	01/08/21 12:00	
Silver	ug/L	1.0 U	5.0	1.0	01/08/21 12:00	
Sodium	mg/L	0.54 U	2.0	0.54	01/08/21 12:00	
Vanadium	ug/L	1.0 U	10.0	1.0	01/08/21 12:00	
Zinc	ug/L	11.0 U	20.0	11.0	01/08/21 12:00	

LABORATORY CONTROL SAMPLE: 3780770

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	258	103	80-120	
Beryllium	ug/L	25	25.6	102	80-120	
Cadmium	ug/L	25	26.4	105	80-120	
Chromium	ug/L	250	260	104	80-120	
Cobalt	ug/L	250	261	104	80-120	
Copper	ug/L	250	242	97	80-120	
Iron	ug/L	2500	2620	105	80-120	
Lead	ug/L	250	260	104	80-120	
Nickel	ug/L	250	264	105	80-120	
Selenium	ug/L	250	264	106	80-120	
Silver	ug/L	25	24.3	97	80-120	
Sodium	mg/L	12.5	12.8	102	80-120	
Vanadium	ug/L	250	255	102	80-120	
Zinc	ug/L	1250	1330	107	80-120	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3780771 3780772

Parameter	Units	35602308012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	21.9	250	250	286	289	106	107	75-125	1	20	
Beryllium	ug/L	0.17 U	25	25	25.8	26.0	103	104	75-125	1	20	
Cadmium	ug/L	0.33 U	25	25	24.8	25.1	99	99	75-125	1	20	
Chromium	ug/L	1.7 U	250	250	261	263	104	105	75-125	1	20	
Cobalt	ug/L	0.96 U	250	250	260	262	104	105	75-125	1	20	
Copper	ug/L	2.6 U	250	250	269	272	107	108	75-125	1	20	
Iron	ug/L	25.0 U	2500	2500	2590	2610	103	104	75-125	1	20	
Lead	ug/L	4.6 U	250	250	255	258	102	103	75-125	1	20	
Nickel	ug/L	2.1 U	250	250	261	262	104	104	75-125	0	20	
Selenium	ug/L	8.5 U	250	250	61.5	65.9	25	26	75-125	7	20	J(M1)
Silver	ug/L	1.0 U	25	25	24.3	24.4	97	98	75-125	0	20	
Sodium	mg/L	598	12.5	12.5	614	620	126	177	75-125	1	20	J(M1), L
Vanadium	ug/L	3.9 I	250	250	266	268	105	106	75-125	1	20	
Zinc	ug/L	11.0 U	1250	1250	1280	1300	102	103	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

QC Batch: 694603
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005, 35602573006, 35602573007, 35602573008, 35602573009

METHOD BLANK: 3780773 Matrix: Water
Associated Lab Samples: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005, 35602573006, 35602573007, 35602573008, 35602573009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	01/07/21 15:56	
Arsenic	ug/L	0.50 U	1.0	0.50	01/07/21 15:56	
Thallium	ug/L	0.11 U	1.0	0.11	01/07/21 15:56	

LABORATORY CONTROL SAMPLE: 3780774

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.8	100	80-120	
Arsenic	ug/L	50	50.9	102	80-120	
Thallium	ug/L	50	52.1	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3780775 3780776

Parameter	Units	35602573002 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	49.9	49.6	100	99	75-125	1	20	
Arsenic	ug/L	1.8	50	50	53.2	52.8	103	102	75-125	1	20	
Thallium	ug/L	0.11 U	50	50	51.0	51.1	102	102	75-125	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

QC Batch: 694591
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005, 35602573006, 35602573007, 35602573008, 35602573009, 35602573010

METHOD BLANK: 3780709
Matrix: Water
Associated Lab Samples: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005, 35602573006, 35602573007, 35602573008, 35602573009, 35602573010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/06/21 23:42	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/06/21 23:42	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/06/21 23:42	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/06/21 23:42	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/06/21 23:42	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/06/21 23:42	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/06/21 23:42	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	5.0	1.9	01/06/21 23:42	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	1.0	0.31	01/06/21 23:42	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/06/21 23:42	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	01/06/21 23:42	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/06/21 23:42	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/06/21 23:42	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	01/06/21 23:42	
2-Hexanone	ug/L	3.2 U	25.0	3.2	01/06/21 23:42	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/06/21 23:42	
Acetone	ug/L	5.3 U	25.0	5.3	01/06/21 23:42	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/06/21 23:42	
Benzene	ug/L	0.30 U	1.0	0.30	01/06/21 23:42	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/06/21 23:42	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/06/21 23:42	
Bromoform	ug/L	0.48 U	3.0	0.48	01/06/21 23:42	J(v1)
Bromomethane	ug/L	8.1 U	10.0	8.1	01/06/21 23:42	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/06/21 23:42	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/06/21 23:42	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/06/21 23:42	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/06/21 23:42	
Chloroform	ug/L	0.32 U	1.0	0.32	01/06/21 23:42	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/06/21 23:42	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/06/21 23:42	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/06/21 23:42	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/06/21 23:42	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/06/21 23:42	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/06/21 23:42	
Iodomethane	ug/L	9.3 U	10.0	9.3	01/06/21 23:42	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	01/06/21 23:42	
Styrene	ug/L	0.26 U	1.0	0.26	01/06/21 23:42	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/06/21 23:42	
Toluene	ug/L	0.33 U	1.0	0.33	01/06/21 23:42	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

METHOD BLANK: 3780709 Matrix: Water

Associated Lab Samples: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005, 35602573006, 35602573007, 35602573008, 35602573009, 35602573010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/06/21 23:42	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/06/21 23:42	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/06/21 23:42	
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/06/21 23:42	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	01/06/21 23:42	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/06/21 23:42	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/06/21 23:42	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/06/21 23:42	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130		01/06/21 23:42	
4-Bromofluorobenzene (S)	%	99	70-130		01/06/21 23:42	
Toluene-d8 (S)	%	99	70-130		01/06/21 23:42	

LABORATORY CONTROL SAMPLE: 3780710

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.6	98	70-130	
1,1,1-Trichloroethane	ug/L	20	20.2	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.5	97	68-125	
1,1,2-Trichloroethane	ug/L	20	19.6	98	70-130	
1,1-Dichloroethane	ug/L	20	19.8	99	70-130	
1,1-Dichloroethene	ug/L	20	18.7	93	66-133	
1,2,3-Trichloropropane	ug/L	20	19.8	99	62-127	
1,2-Dibromo-3-chloropropane	ug/L	20	19.8	99	45-137	
1,2-Dibromoethane (EDB)	ug/L	20	20.1	100	70-130	
1,2-Dichlorobenzene	ug/L	20	19.5	97	70-130	
1,2-Dichloroethane	ug/L	20	19.8	99	70-130	
1,2-Dichloropropane	ug/L	20	20.3	102	70-130	
1,4-Dichlorobenzene	ug/L	20	19.2	96	70-130	
2-Butanone (MEK)	ug/L	100	98.3	98	47-143	
2-Hexanone	ug/L	100	98.3	98	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	100	100	57-132	
Acetone	ug/L	100	108	108	46-148	
Acrylonitrile	ug/L	100	94.2	94	60-143	
Benzene	ug/L	20	20.0	100	70-130	
Bromochloromethane	ug/L	20	19.1	95	70-130	
Bromodichloromethane	ug/L	20	20.6	103	70-130	
Bromoform	ug/L	20	24.3	121	49-126	J(v1)
Bromomethane	ug/L	20	8.7 I	44	10-165	J(v3)
Carbon disulfide	ug/L	20	17.7	89	60-141	
Carbon tetrachloride	ug/L	20	20.3	102	63-126	
Chlorobenzene	ug/L	20	19.2	96	70-130	
Chloroethane	ug/L	20	19.8	99	71-142	
Chloroform	ug/L	20	19.8	99	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

LABORATORY CONTROL SAMPLE: 3780710

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	20	16.7	84	40-140	
cis-1,2-Dichloroethene	ug/L	20	20.4	102	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.9	109	70-130	
Dibromochloromethane	ug/L	20	20.6	103	62-118	
Dibromomethane	ug/L	20	19.8	99	70-130	
Ethylbenzene	ug/L	20	19.4	97	70-130	
Iodomethane	ug/L	20	11.0	55	10-164	J(v3)
Methylene Chloride	ug/L	20	21.0	105	65-136	
Styrene	ug/L	20	18.4	92	70-130	
Tetrachloroethene	ug/L	20	18.9	94	64-134	
Toluene	ug/L	20	18.6	93	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.4	97	68-127	
trans-1,3-Dichloropropene	ug/L	20	22.2	111	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	18.7	94	42-129	
Trichloroethene	ug/L	20	19.7	98	70-130	
Trichlorofluoromethane	ug/L	20	19.0	95	65-135	
Vinyl acetate	ug/L	20	22.4	112	60-144	
Vinyl chloride	ug/L	20	17.4	87	68-131	
Xylene (Total)	ug/L	60	58.8	98	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 3780712

Parameter	Units	35602596002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	19.8	99	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	21.8	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	19.8	99	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	19.7	99	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	21.4	107	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	21.2	106	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	20.2	101	62-127	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	20	19.9	100	45-137	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	20	19.8	99	70-130	
1,2-Dichlorobenzene	ug/L	0.60 U	20	19.4	97	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	20.5	102	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	21.1	106	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	19.0	95	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	104	104	47-143	
2-Hexanone	ug/L	3.2 U	100	105	105	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	108	108	57-132	
Acetone	ug/L	5.3 U	100	105	105	46-148	
Acrylonitrile	ug/L	3.7 U	100	97.4	97	60-143	
Benzene	ug/L	0.30 U	20	21.3	107	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

MATRIX SPIKE SAMPLE: 3780712

Parameter	Units	35602596002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromochloromethane	ug/L	0.37 U	20	19.7	98	70-130	
Bromodichloromethane	ug/L	0.19 U	20	21.3	106	70-130	
Bromoform	ug/L	0.48 U	20	22.6	113	49-126	J(v1)
Bromomethane	ug/L	8.1 U	20	10.5	52	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	20.1	101	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	22.0	110	63-126	
Chlorobenzene	ug/L	0.35 U	20	19.7	99	70-130	
Chloroethane	ug/L	3.7 U	20	22.3	111	71-142	
Chloroform	ug/L	0.32 U	20	21.8	108	70-130	
Chloromethane	ug/L	0.43 U	20	18.3	92	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	21.5	108	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	20.0	100	70-130	
Dibromochloromethane	ug/L	0.45 U	20	19.9	100	62-118	
Dibromomethane	ug/L	0.68 U	20	20.1	101	70-130	
Ethylbenzene	ug/L	0.30 U	20	20.0	100	70-130	
Iodomethane	ug/L	9.3 U	20	15.4	76	10-164	J(v3)
Methylene Chloride	ug/L	4.4 U	20	21.6	108	65-136	
Styrene	ug/L	0.26 U	20	18.2	91	70-130	
Tetrachloroethene	ug/L	0.38 U	20	19.5	98	64-134	
Toluene	ug/L	0.33 U	20	19.1	96	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	20.5	103	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	22.0	110	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	17.2	86	42-129	
Trichloroethene	ug/L	0.36 U	20	21.0	105	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	21.8	109	65-135	
Vinyl acetate	ug/L	1.8 U	20	21.5	107	60-144	
Vinyl chloride	ug/L	0.39 U	20	19.3	97	68-131	
Xylene (Total)	ug/L	2.1 U	60	60.0	100	70-130	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	J(HS)
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 3780711

Parameter	Units	35602596001 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-Dibromo-3-chloropropane	ug/L	1.9 U	1.9 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	0.31 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

SAMPLE DUPLICATE: 3780711

Parameter	Units	35602596001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	0.27 U	0.27 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	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	J(v1)
Bromomethane	ug/L	8.1 U	8.1 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	0.50 I	0.45 I		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	7.0	8.4	18	40	
Iodomethane	ug/L	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 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	0.35 U	0.35 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	78.4	91.8	16	40	
1,2-Dichlorobenzene-d4 (S)	%	102	102			
4-Bromofluorobenzene (S)	%	102	102		40	
Toluene-d8 (S)	%	97	98		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

QC Batch: 694677
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005, 35602573006, 35602573007, 35602573008, 35602573009

METHOD BLANK: 3781050 Matrix: Water
Associated Lab Samples: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005, 35602573006, 35602573007, 35602573008, 35602573009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	01/07/21 18:51	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	01/07/21 18:51	

LABORATORY CONTROL SAMPLE: 3781052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.22	89	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.23	92	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3781053 3781054

Parameter	Units	35602573001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.44	0.44	0.49	0.52	113	119	60-140	6	40	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.44	0.44	0.51	0.53	116	122	60-140	4	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

QC Batch: 694648 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005, 35602573006, 35602573007, 35602573008, 35602573009

METHOD BLANK: 3780990 Matrix: Water
Associated Lab Samples: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005, 35602573006, 35602573007, 35602573008, 35602573009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	01/07/21 10:01	

LABORATORY CONTROL SAMPLE: 3780991

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

SAMPLE DUPLICATE: 3780992

Parameter	Units	35602470001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	934	920	2	10	

SAMPLE DUPLICATE: 3780993

Parameter	Units	35602470002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	4920	4920	0	10	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

QC Batch: 697233 | 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: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005, 35602573006, 35602573007, 35602573008, 35602573009

METHOD BLANK: 3796467 Matrix: Water
Associated Lab Samples: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005, 35602573006, 35602573007, 35602573008, 35602573009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	01/15/21 15:48	

LABORATORY CONTROL SAMPLE: 3796468

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: 3796469 3796470

Parameter	Units	35602573006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	14.4	50	50	61.4	64.5	94	100	90-110	5	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3796471 3796472

Parameter	Units	35602573007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	54.3	50	50	106	110	104	111	90-110	4	20	J(M1), L

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

QC Batch: 694647
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: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005, 35602573006, 35602573007, 35602573008, 35602573009

METHOD BLANK: 3780984 Matrix: Water
Associated Lab Samples: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005, 35602573006, 35602573007, 35602573008, 35602573009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	01/07/21 10:44	

LABORATORY CONTROL SAMPLE: 3780985

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: 3780987 3780986

Parameter	Units	35602527004 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	118	50	50	168	169	100	102	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3780988 3780989

Parameter	Units	35602573009 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	0.093	1	1	1.1	1.1	103	103	90-110	0	20	

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

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

QC Batch: 694785
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: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005, 35602573006, 35602573007, 35602573008

METHOD BLANK: 3781445
Matrix: Water
Associated Lab Samples: 35602573001, 35602573002, 35602573003, 35602573004, 35602573005, 35602573006, 35602573007, 35602573008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/07/21 12:23	

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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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

QC Batch: 694876
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: 35602573009

METHOD BLANK: 3781933 Matrix: Water
Associated Lab Samples: 35602573009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/07/21 15:12	

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QUALIFIERS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

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.

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.
J(HS)	Estimated Value. Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
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: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35602573002	**B34-1**				
35602573003	**B34-2**				
35602573004	**FA-1B**				
35602573005	**B63-1**				
35602573006	**FA-1B Dup**				
35602573007	**B63-2**				
35602573008	**B38-2**				
35602573009	**B38-1**				
35602573001	**EQ Blank 1/6/21**	EPA 8011	694677	EPA 8011	694862
35602573002	**B34-1**	EPA 8011	694677	EPA 8011	694862
35602573003	**B34-2**	EPA 8011	694677	EPA 8011	694862
35602573004	**FA-1B**	EPA 8011	694677	EPA 8011	694862
35602573005	**B63-1**	EPA 8011	694677	EPA 8011	694862
35602573006	**FA-1B Dup**	EPA 8011	694677	EPA 8011	694862
35602573007	**B63-2**	EPA 8011	694677	EPA 8011	694862
35602573008	**B38-2**	EPA 8011	694677	EPA 8011	694862
35602573009	**B38-1**	EPA 8011	694677	EPA 8011	694862
35602573001	**EQ Blank 1/6/21**	EPA 3010	694602	EPA 6010	694608
35602573002	**B34-1**	EPA 3010	694602	EPA 6010	694608
35602573003	**B34-2**	EPA 3010	694602	EPA 6010	694608
35602573004	**FA-1B**	EPA 3010	694602	EPA 6010	694608
35602573005	**B63-1**	EPA 3010	694602	EPA 6010	694608
35602573006	**FA-1B Dup**	EPA 3010	694602	EPA 6010	694608
35602573007	**B63-2**	EPA 3010	694602	EPA 6010	694608
35602573008	**B38-2**	EPA 3010	694602	EPA 6010	694608
35602573009	**B38-1**	EPA 3010	694602	EPA 6010	694608
35602573001	**EQ Blank 1/6/21**	EPA 3010	694603	EPA 6020	694609
35602573002	**B34-1**	EPA 3010	694603	EPA 6020	694609
35602573003	**B34-2**	EPA 3010	694603	EPA 6020	694609
35602573004	**FA-1B**	EPA 3010	694603	EPA 6020	694609
35602573005	**B63-1**	EPA 3010	694603	EPA 6020	694609
35602573006	**FA-1B Dup**	EPA 3010	694603	EPA 6020	694609
35602573007	**B63-2**	EPA 3010	694603	EPA 6020	694609
35602573008	**B38-2**	EPA 3010	694603	EPA 6020	694609
35602573009	**B38-1**	EPA 3010	694603	EPA 6020	694609
35602573001	**EQ Blank 1/6/21**	EPA 7470	694641	EPA 7470	694798
35602573002	**B34-1**	EPA 7470	694641	EPA 7470	694798
35602573003	**B34-2**	EPA 7470	694641	EPA 7470	694798
35602573004	**FA-1B**	EPA 7470	694641	EPA 7470	694798
35602573005	**B63-1**	EPA 7470	694641	EPA 7470	694798
35602573006	**FA-1B Dup**	EPA 7470	695090	EPA 7470	695216
35602573007	**B63-2**	EPA 7470	695090	EPA 7470	695216
35602573008	**B38-2**	EPA 7470	695090	EPA 7470	695216
35602573009	**B38-1**	EPA 7470	695090	EPA 7470	695216
35602573001	**EQ Blank 1/6/21**	EPA 8260	694591		
35602573002	**B34-1**	EPA 8260	694591		

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602573

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35602573003	**B34-2**	EPA 8260	694591		
35602573004	**FA-1B**	EPA 8260	694591		
35602573005	**B63-1**	EPA 8260	694591		
35602573006	**FA-1B Dup**	EPA 8260	694591		
35602573007	**B63-2**	EPA 8260	694591		
35602573008	**B38-2**	EPA 8260	694591		
35602573009	**B38-1**	EPA 8260	694591		
35602573010	**Trip Blank 1/6/21**	EPA 8260	694591		
35602573001	**EQ Blank 1/6/21**	SM 2540C	694648		
35602573002	**B34-1**	SM 2540C	694648		
35602573003	**B34-2**	SM 2540C	694648		
35602573004	**FA-1B**	SM 2540C	694648		
35602573005	**B63-1**	SM 2540C	694648		
35602573006	**FA-1B Dup**	SM 2540C	694648		
35602573007	**B63-2**	SM 2540C	694648		
35602573008	**B38-2**	SM 2540C	694648		
35602573009	**B38-1**	SM 2540C	694648		
35602573001	**EQ Blank 1/6/21**	EPA 300.0	697233		
35602573002	**B34-1**	EPA 300.0	697233		
35602573003	**B34-2**	EPA 300.0	697233		
35602573004	**FA-1B**	EPA 300.0	697233		
35602573005	**B63-1**	EPA 300.0	697233		
35602573006	**FA-1B Dup**	EPA 300.0	697233		
35602573007	**B63-2**	EPA 300.0	697233		
35602573008	**B38-2**	EPA 300.0	697233		
35602573009	**B38-1**	EPA 300.0	697233		
35602573001	**EQ Blank 1/6/21**	EPA 350.1	694647		
35602573002	**B34-1**	EPA 350.1	694647		
35602573003	**B34-2**	EPA 350.1	694647		
35602573004	**FA-1B**	EPA 350.1	694647		
35602573005	**B63-1**	EPA 350.1	694647		
35602573006	**FA-1B Dup**	EPA 350.1	694647		
35602573007	**B63-2**	EPA 350.1	694647		
35602573008	**B38-2**	EPA 350.1	694647		
35602573009	**B38-1**	EPA 350.1	694647		
35602573001	**EQ Blank 1/6/21**	EPA 353.2	694785		
35602573002	**B34-1**	EPA 353.2	694785		
35602573003	**B34-2**	EPA 353.2	694785		
35602573004	**FA-1B**	EPA 353.2	694785		
35602573005	**B63-1**	EPA 353.2	694785		
35602573006	**FA-1B Dup**	EPA 353.2	694785		
35602573007	**B63-2**	EPA 353.2	694785		
35602573008	**B38-2**	EPA 353.2	694785		
35602573009	**B38-1**	EPA 353.2	694876		

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WO# : 35602573

35602573

Pace Analytical
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cal Request Document

. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A
Required Client Information:

Company:	Volusia County Solid Waste Management
Address:	1990 Tomoka Farms Road
	Port Orange, FL 32128
Email:	jstirk@volusia.org
Phone:	(386)947-2952 Fax:
Requested Due Date:	

Section B
Required Project Information:

Report To:	Jennifer Stirk
Copy To:	
Purchase Order #:	
Project Name:	Tomoka LF Semi-annual MWs
Project #:	

Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	jeff.baylor@pacelabs.com,
Pace Profile #:	1590, Line 1

Regulatory Agency

State / Location

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analyses Test: TDS, NO3, CL	ammonia	Metals by 6010/6020/Hg	EDB 8011	8260 VOCs Full List	Trip Blank DO NOT OPEN -	Residual Chlorine (Y/N)
1	EQ					1-6-21	1025											Y	Y	Y	Y	Y		
2	B 34-1						1115																	
3	B 34-2						1138																	
4	FA-1B						1225																	
5	B 63-1						1404																	
6	Duplicate						1225																	
7	B 63-2						1409																	
8	B 38-2						1514																	
9	B 38-1						1559																	
10	TRIP BLANK						0000																	
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Empty Bottles	RP Bottle Prep	11/9/20	1006	SUNK/PACE	1-6-21	1635	4.4	Y	N	Y
	SUNK/PACE	1-6-21	1639			1639	5.6			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: DAVID RICE

SIGNATURE of SAMPLER: SUNK

DATE Signed: 1-6-21

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt (SCUR)

WO# : 35602573

PM: JSB **Due Date: 01/20/21**

CLIENT: VOLDPW

Project #:

Project Manager:

Client:

Date and Initials of person:
Examining contents: [signature]
Label:
Deliver:
pH:

Thermometer Used: T-337 Date: 1/6/21 Time: 1636 Initials: KMF

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

Cooler #1 Temp.°C	15.1 (Visual)	0.0 (Correction Factor)	15.1 (Actual)	☑	Samples on ice, cooling process has begun
Cooler #2 Temp.°C	14.4 (Visual)	(Correction Factor)	14.4 (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

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

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

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

Tracking #

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

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

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

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

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste		SITE LOCATION: Tomoka LF Semi Annual	
WELL NO: RO	SAMPLE ID: EQ		DATE: 1-6-20

PURGING DATA

WELL DIAMETER (inches):	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)
= (feet – feet) X gallons/foot = gallons

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

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

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

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1025	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	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)
	1	PE	1000	ICE			TDS, NO3, Cl	APP	400
	1	1	250	HNO3			6010 6020 Hg	1	1
	1	1	1	H2SO4			NH3		
	2	CG	40	ICE			EDB 8011		
	3	1	1	HCl			8260 FULL LIST		

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi Annual MW's	
WELL NO: B 34-1	SAMPLE ID: B 34-1	DATE: 1-6-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 2.53	PURGE PUMP TYPE OR BAILER: AP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (34.21 feet − 2.53 feet) X 0.16 gallons/foot = 5.0688 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5	PURGING INITIATED AT: 1042	PURGING ENDED AT: 1115	TOTAL VOLUME PURGED (gallons): 8.05

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)
1103	5.29	5.29	.23	3.95	6.73	22.1	1723	0.43	1.98	Yellow	Sulfur
1109	1.38	6.67	.23	3.95	6.72	22.1	1762	0.36	1.43	/	/
1115	1.38	8.05	.23	3.95	6.72	22.2	1722	0.34	1.73	/	/

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1115	SAMPLING ENDED AT: 1119
PUMP OR TUBING DEPTH IN WELL (feet): 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)
	1	PE	1000	ICE		6.72	TDS, NO3, Cl	APP	200
	1	1	250	HNO3		<2	6010, 6020, Hg	/	/
	1	1	1	H2SO4		<2	NH3		
	2	CG	40	ICE		6.72	EDB 504		
	3	1	1	HCl		<2	8260 Full List		

REMARKS: ORP -141.6 ORP -140.4 ORP -139.7

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:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Semi Annual Req's
WELL NO:	B34-2	SAMPLE ID:	B 34-2
DATE:	1-6-21		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	1.34	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)
= (17.03 feet − 1.34 feet) x 0.16 gallons/foot = 2.5104 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	6	PURGING INITIATED AT:	1122	PURGING ENDED AT:	1138	TOTAL VOLUME PURGED (gallons):	4.16

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or ~~µS/cm~~	DISSOLVED OXYGEN (circle units) ~~mg/L~~ or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1132	2.6	2.6	.26	4.91	7.09	19.6	860	0.82	11.0	Yellow	sulfur
1135	.78	3.38	.26	4.91	7.07	19.8	864	0.69	10.5	1	1
1138	.78	4.16	.26	4.91	7.05	20.0	859	0.75	13.5	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:	DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	1138	SAMPLING ENDED AT:	1142
PUMP OR TUBING DEPTH IN WELL (feet):	6	TUBING MATERIAL CODE:	HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ____ µm	

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

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
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)
	1	PE	1000	ICE		7.05	TDS, NO3, Cl	APP	400
	1	1	950	HNO3		<2	6010, 6020, Hg		
	1	1	1	H2SO4		<2	NH3		
	2	CG	40	ICE		7.05	EPH 8011		
	3	CG	1	HCl		<2	8260 FULL LIST		

REMARKS: ORP -131.7 ORP -131.3 ORP -132.1

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid WASTE	SITE LOCATION: Topolon Lf Semi Annual mws	
WELL NO: FA-1B	SAMPLE ID: FA-1B / Duplicate	DATE: 1-6-21

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 11.41	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)

= (97.95 feet – 11.41 feet) X 0.65 gallons/foot = 36.251 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: 1151	PURGING ENDED AT: 1225	TOTAL VOLUME PURGED (gallons): 89.76

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)
1213	38.08	58.08	2.64	14.40	7.22	22.2	584	0.45	3.84	CLEAR	NONE
1219	15.84	73.92	2.64	14.40	7.15	22.2	576	0.31	1.98		
1225	15.84	89.76	2.64	14.40	7.13	22.2	573	0.27	1.54		

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: DMD ICE/PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1225	SAMPLING ENDED AT: 22
PUMP OR TUBING DEPTH IN WELL (feet): 15	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)
	1	PE	1000	ICE		7.13	TDS, NO3, Cl	ESP	400
	1	1	250	HNO3		<2	6010 6020 Hg	|	|
X2	1	|	1	H2SO4		<2	NH3	|	|
	2	CG	40	ICE		7.13	EDB 8011	|	|
	3	CG	1	HCL		<2	8260 FULL LIST	|	|

REMARKS: ORP -133.2 ORP -132.2 ORP -192.1

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

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

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

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

2.64 **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:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Semi Annual MW's
WELL NO:	B63-1	SAMPLE ID:	B 63-1
		DATE:	1-6-21

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	1.63	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)
= (30.37 feet – 1.63 feet) X 0.16 gallons/foot = 4.5984 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	4	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	4	PURGING INITIATED AT:	1334	PURGING ENDED AT:	1404	TOTAL VOLUME PURGED (gallons):	6.90

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)
1354	4.6	4.60	.23	2.8	6.76	22.6	531	1.30	2.51	Yellow	Sulfur
1359	1.15	5.75	.23	2.8	6.77	22.6	530	0.44	2.22	"	"
1404	1.15	6.90	.23	2.8	6.76	22.7	531	0.34	1.96	"	"

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:	MAC / IGH / PACE	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	1404	SAMPLING ENDED AT:	1408
PUMP OR TUBING DEPTH IN WELL (feet):	4	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)
	1	PE	1000	ICE		6.76	TDS, NO3, Cl	APP	<400
	1		250	HNO3		<2	6010 6020 Hg		
	1		1	H2SO4		<2	NH3		
	2	CG	40	ICE		6.76	KOB 8011		
	3		1	HCl		<2	8260 Full List		

REMARKS: ORP -132.3 ORP -134.6 ORP -136.4

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:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Semi Annual
WELL NO:	BG3-2	SAMPLE ID:	BG3-2
DATE:	1-6-21		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	1.91	PURGE PUMP TYPE OR BAILER:	BP

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

= (14.40 feet – 1.91 feet) X 0.16 gallons/foot = 1.9984 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	4	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	4	PURGING INITIATED AT:	1411	PURGING ENDED AT:	1439	TOTAL VOLUME PURGED (gallons):	4.14

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)
1420	2.07	2.07	.23	3.49	6.97	20.9	700	0.27	31.1	Yellow	Sulfur
1423	0.69	2.76	.23	3.49	6.99	20.9	704	0.46	13.0	"	"
1426	0.69	3.45	.23	3.49	6.97	20.9	705	0.30	14.9	"	"
1429	0.69	4.14	.23	3.49	6.96	20.9	705	0.27	15.3	"	"

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:	DMD ICG/PACE	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	1429	SAMPLING ENDED AT:	1433
PUMP OR TUBING DEPTH IN WELL (feet):	4	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)
	1	PE	1000	ICE		6.96	537.1	APP	400
	2	"	950	H_2SO_3		<2	6010 6020 ICP	"	"
	1	"	"	H_2SO_4		<2	NH3	"	"
	2	CG	40	ICE		6.96	600 8011	"	"
	3	"	"	HCl		<2	8260 Full List	"	"

REMARKS: ORP -133.8 ORP -139.9 ORP -132.6 ORP -134.6

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:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Semi Annual MWS
WELL NO:	B 38-2	SAMPLE ID:	B 38-2
DATE:	7-6-21		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	1.48	PURGE PUMP TYPE OR BAILER:	BP

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

= (17.35 feet – 1.48 feet) X 0.16 gallons/foot = 2.5392 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	4	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	4	PURGING INITIATED AT:	1453	PURGING ENDED AT:	1514	TOTAL VOLUME PURGED (gallons):	3.8

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)
1506	2.6	2.6	.20	3.44	6.10	19.3	560	0.34	15.5	Yellow	sulfur
1510	6.6	3.2	.20	3.44	6.11	19.4	554.5	0.28	2.15	/	/
1514	6.6	3.8	.20	3.44	6.12	19.4	548.5	0.24	9.87	/	/

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:	DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	1514	SAMPLING ENDED AT:	1518
PUMP OR TUBING DEPTH IN WELL (feet):	4	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)
	1	PE	1000	ICE		6.12	TDS, NO3, Cl	APP	400
	1	/	250	HNO3		<2	6010 6020 Hg	/	/
	1	/	/	H2SO4		<2	NH3	/	/
	2	CG	40	ICE		6.12	EDB 8011	/	/
	3	/	/	HCl		<2	8260 Full List	/	/

REMARKS: ORP 115.4 ORP -118.9 ORP 121.1

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi Annual MW's	
WELL NO: B38-1	SAMPLE ID: B38-1	DATE: 1-6-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 2.97	PURGE PUMP TYPE OR BAILER: AP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (39.40 feet – 2.97 feet) X 0.16 gallons/foot = 5.8288 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5	PURGING INITIATED AT: 15:21	PURGING ENDED AT: 15:59	TOTAL VOLUME PURGED (gallons): 7.60

TIME (30 / 4)	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)
15:51	6.00	6.00	0.20	3.74	5.44	21.9	368.4	1.50	2.86	Clear	Sulfur
15:55	0.80	6.80	0.20	3.74	5.41	21.9	368.6	0.79	2.97	1	1
15:59	0.80	7.60	0.20	3.74	5.39	22.0	369.0	0.60	2.34	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: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 15:59	SAMPLING ENDED AT: 16:07
PUMP OR TUBING DEPTH IN WELL (feet): 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)
	1	PE	1000	ICE		5.39	TDS, NO3, Cl	APP	240
	1	1	250	HNO3			6010, 6020, Hg	1	1
	1	1	1	H2SO4			NH3	1	1
	2	CG	40	ICE			EPA 8011	1	1
	3	1	1	HCl			8260 Full List	1	1

REMARKS: ORP -106.1 ORP -107.7 ORP -112.1

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

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

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200.2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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

January 19, 2021

Ms. Jennifer Stirk
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Port Orange, FL 32128

RE: Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Dear Ms. Stirk:

Enclosed are the analytical results for sample(s) received by the laboratory on January 07, 2021. 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,

Jeff Baylor

Jeff Baylor
jeff.baylor@pacelabs.com
(386)672-5668
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.

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Ormond Beach, FL 32174
(386)672-5668

CERTIFICATIONS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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

SAMPLE SUMMARY

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35602972001	**EQ Blank 1/7/21**	Water	01/07/21 09:10	01/07/21 16:45
35602972002	**B35-1**	Water	01/07/21 10:00	01/07/21 16:45
35602972003	**B35-2**	Water	01/07/21 10:24	01/07/21 16:45
35602972004	**B36**	Water	01/07/21 11:25	01/07/21 16:45
35602972005	**B36 Dup**	Water	01/07/21 11:25	01/07/21 16:45
35602972006	**B40-1**	Water	01/07/21 12:37	01/07/21 16:45
35602972007	**B40-2**	Water	01/07/21 13:13	01/07/21 16:45
35602972008	**B65**	Water	01/07/21 14:45	01/07/21 16:45
35602972009	**B41-2**	Water	01/07/21 15:19	01/07/21 16:45
35602972010	**B1-B**	Water	01/07/21 16:05	01/07/21 16:45
35602972011	**TRIP BLANK 1/7/21**	Water	01/07/21 00:00	01/07/21 16:45

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8 East Tower Circle
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(386)672-5668

SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35602972001	**EQ Blank 1/7/21**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602972002	**B35-1**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602972003	**B35-2**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602972004	**B36**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602972005	**B36 Dup**	EPA 8011	TSW	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	CS3	14	PASI-O
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602972006	**B40-1**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602972007	**B40-2**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602972008	**B65**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602972009	**B41-2**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O

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Ormond Beach, FL 32174
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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602972010	**B1-B**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	CLT	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35602972011	**TRIP BLANK 1/7/21**	EPA 8260	CLT	50	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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

SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35602972001	**EQ Blank 1/7/21**					
EPA 6010	Barium	6.2 I	ug/L	10.0	01/11/21 19:51	
SM 2540C	Total Dissolved Solids	7.0	mg/L	5.0	01/11/21 14:13	
35602972002	**B35-1**					
	Field pH	6.01	Std. Units		01/07/21 10:00	
	Field Temperature	22.0	deg C		01/07/21 10:00	
	Appearance	Color: yellow, Sheen: none			01/07/21 10:00	
	Field Specific Conductance	298.2	umhos/cm		01/07/21 10:00	
	Oxygen, Dissolved	0.57	mg/L		01/07/21 10:00	
	REDOX	-149.4	mV		01/07/21 10:00	
	Turbidity	3.69	NTU		01/07/21 10:00	
EPA 6010	Barium	77.3	ug/L	10.0	01/11/21 19:54	
EPA 6010	Iron	10400	ug/L	40.0	01/11/21 19:54	
EPA 6010	Sodium	26.6	mg/L	2.0	01/11/21 19:54	
EPA 6010	Vanadium	1.8 I	ug/L	10.0	01/11/21 19:54	
SM 2540C	Total Dissolved Solids	207	mg/L	5.0	01/11/21 14:13	
EPA 300.0	Chloride	42.2	mg/L	5.0	01/17/21 22:30	
EPA 350.1	Nitrogen, Ammonia	0.15	mg/L	0.050	01/08/21 13:43	
35602972003	**B35-2**					
	Field pH	5.41	Std. Units		01/07/21 10:24	
	Field Temperature	20.4	deg C		01/07/21 10:24	
	Appearance	Color: yellow, Sheen: none			01/07/21 10:24	
	Field Specific Conductance	486.8	umhos/cm		01/07/21 10:24	
	Oxygen, Dissolved	0.57	mg/L		01/07/21 10:24	
	REDOX	-131.1	mV		01/07/21 10:24	
	Turbidity	2.29	NTU		01/07/21 10:24	
	Water Level(NGVD)	28.54	feet		01/07/21 10:24	
EPA 6010	Barium	94.8	ug/L	10.0	01/11/21 20:10	
EPA 6010	Chromium	5.3	ug/L	5.0	01/11/21 20:10	
EPA 6010	Iron	11900	ug/L	40.0	01/11/21 20:10	
EPA 6010	Sodium	61.1	mg/L	2.0	01/11/21 20:10	
EPA 6010	Vanadium	6.6 I	ug/L	10.0	01/11/21 20:10	
EPA 6020	Arsenic	0.77 I	ug/L	1.0	01/08/21 10:02	
SM 2540C	Total Dissolved Solids	350	mg/L	5.0	01/11/21 14:13	
EPA 300.0	Chloride	111	mg/L	10.0	01/18/21 09:16	
EPA 350.1	Nitrogen, Ammonia	0.71	mg/L	0.050	01/12/21 13:29	
35602972004	**B36**					
	Field pH	6.58	Std. Units		01/07/21 11:25	
	Field Temperature	22.4	deg C		01/07/21 11:25	

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

SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35602972004	**B36**					
	Appearance	Color: yellow, Sheen: none			01/07/21 11:25	
	Field Specific Conductance	2074	umhos/cm		01/07/21 11:25	
	Oxygen, Dissolved	0.23	mg/L		01/07/21 11:25	
	REDOX	-133.0	mV		01/07/21 11:25	
	Turbidity	1.75	NTU		01/07/21 11:25	
	Water Level(NGVD)	28.13	feet		01/07/21 11:25	
EPA 6010	Barium	164	ug/L	10.0	01/11/21 20:13	
EPA 6010	Cobalt	3.2 I	ug/L	10.0	01/11/21 20:13	
EPA 6010	Iron	6430	ug/L	40.0	01/11/21 20:13	
EPA 6010	Sodium	132	mg/L	2.0	01/11/21 20:13	
EPA 6010	Vanadium	1.0 I	ug/L	10.0	01/11/21 20:13	
EPA 8260	Benzene	1.9	ug/L	1.0	01/11/21 20:10	
EPA 8260	Chlorobenzene	3.7	ug/L	1.0	01/11/21 20:10	
EPA 8260	1,4-Dichlorobenzene	0.51 I	ug/L	1.0	01/11/21 20:10	
EPA 8260	1,1-Dichloroethane	1.1	ug/L	1.0	01/11/21 20:10	
SM 2540C	Total Dissolved Solids	1430	mg/L	10.0	01/11/21 14:14	
EPA 300.0	Chloride	239	mg/L	50.0	01/17/21 23:14	
EPA 350.1	Nitrogen, Ammonia	0.35	mg/L	0.050	01/12/21 14:00	
35602972005	**B36 Dup**					
	Field pH	6.58	Std. Units		01/07/21 11:25	
	Field Temperature	22.4	deg C		01/07/21 11:25	
	Appearance	Color: yellow, Sheen: none			01/07/21 11:25	
	Field Specific Conductance	2074	umhos/cm		01/07/21 11:25	
	Oxygen, Dissolved	0.23	mg/L		01/07/21 11:25	
	REDOX	-133.0	mV		01/07/21 11:25	
	Turbidity	1.75	NTU		01/07/21 11:25	
	Water Level(NGVD)	28.13	feet		01/07/21 11:25	
EPA 6010	Barium	152	ug/L	10.0	01/12/21 08:35	
EPA 6010	Cobalt	3.2 I	ug/L	10.0	01/12/21 08:35	
EPA 6010	Iron	6210	ug/L	40.0	01/12/21 08:35	
EPA 6010	Nickel	2.4 I	ug/L	5.0	01/12/21 08:35	
EPA 6010	Sodium	132	mg/L	2.0	01/12/21 08:35	
EPA 6010	Vanadium	1.4 I	ug/L	10.0	01/12/21 08:35	
EPA 8260	Benzene	1.6	ug/L	1.0	01/11/21 20:38	
EPA 8260	Chlorobenzene	3.7	ug/L	1.0	01/11/21 20:38	
EPA 8260	1,4-Dichlorobenzene	0.49 I	ug/L	1.0	01/11/21 20:38	
EPA 8260	1,1-Dichloroethane	0.87 I	ug/L	1.0	01/11/21 20:38	
SM 2540C	Total Dissolved Solids	1450	mg/L	10.0	01/11/21 14:14	
EPA 300.0	Chloride	232	mg/L	50.0	01/17/21 23:36	
EPA 350.1	Nitrogen, Ammonia	0.35	mg/L	0.050	01/12/21 14:05	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35602972006	**B40-1**					
	Field pH	5.66	Std. Units		01/07/21 12:37	
	Field Temperature	22.1	deg C		01/07/21 12:37	
	Appearance	Color: yellow, Sheen: none			01/07/21 12:37	
	Field Specific Conductance	745	umhos/cm		01/07/21 12:37	
	Oxygen, Dissolved	0.34	mg/L		01/07/21 12:37	
	REDOX	-130.1	mV		01/07/21 12:37	
	Turbidity	2.05	NTU		01/07/21 12:37	
	Water Level(NGVD)	22.90	feet		01/07/21 12:37	
EPA 6010	Barium	209	ug/L	10.0	01/11/21 20:16	
EPA 6010	Iron	24200	ug/L	40.0	01/11/21 20:16	
EPA 6010	Sodium	57.5	mg/L	2.0	01/11/21 20:16	
EPA 6010	Vanadium	1.6 I	ug/L	10.0	01/11/21 20:16	
EPA 6020	Arsenic	1.0	ug/L	1.0	01/08/21 10:05	
SM 2540C	Total Dissolved Solids	531	mg/L	5.0	01/11/21 14:14	
EPA 300.0	Chloride	72.2	mg/L	5.0	01/17/21 23:58	
EPA 350.1	Nitrogen, Ammonia	0.33	mg/L	0.050	01/12/21 14:06	
35602972007	**B40-2**					
	Field pH	6.09	Std. Units		01/07/21 13:13	
	Field Temperature	20.0	deg C		01/07/21 13:13	
	Appearance	Color: yellow, Sheen: none			01/07/21 13:13	
	Field Specific Conductance	495.7	umhos/cm		01/07/21 13:13	
	Oxygen, Dissolved	0.19	mg/L		01/07/21 13:13	
	REDOX	-127.2	mV		01/07/21 13:13	
	Turbidity	2.86	NTU		01/07/21 13:13	
	Water Level(NGVD)	24.24	feet		01/07/21 13:13	
EPA 6010	Barium	26.8	ug/L	10.0	01/11/21 20:25	
EPA 6010	Iron	4530	ug/L	40.0	01/11/21 20:25	
EPA 6010	Sodium	17.1	mg/L	2.0	01/11/21 20:25	
EPA 6010	Vanadium	2.8 I	ug/L	10.0	01/11/21 20:25	
EPA 6020	Arsenic	3.0	ug/L	1.0	01/08/21 10:06	
SM 2540C	Total Dissolved Solids	370	mg/L	5.0	01/11/21 14:14	
EPA 300.0	Chloride	19.3	mg/L	5.0	01/18/21 00:20	
EPA 350.1	Nitrogen, Ammonia	1.0	mg/L	0.050	01/12/21 14:08	
35602972008	**B65**					
	Field pH	6.03	Std. Units		01/07/21 14:45	
	Field Temperature	20.3	deg C		01/07/21 14:45	
	Appearance	Color: yellow, Sheen: none			01/07/21 14:45	
	Field Specific Conductance	612	umhos/cm		01/07/21 14:45	
	Oxygen, Dissolved	0.26	mg/L		01/07/21 14:45	

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35602972008	**B65**					
	REDOX	-128.3	mV		01/07/21 14:45	
	Turbidity	2.16	NTU		01/07/21 14:45	
	Water Level(NGVD)	24.26	feet		01/07/21 14:45	
EPA 6010	Barium	46.0	ug/L	10.0	01/11/21 20:29	
EPA 6010	Chromium	2.8 I	ug/L	5.0	01/11/21 20:29	
EPA 6010	Iron	1570	ug/L	40.0	01/11/21 20:29	
EPA 6010	Sodium	26.5	mg/L	2.0	01/11/21 20:29	
EPA 6010	Vanadium	3.3 I	ug/L	10.0	01/11/21 20:29	
EPA 6020	Arsenic	2.2	ug/L	1.0	01/08/21 10:08	
SM 2540C	Total Dissolved Solids	433	mg/L	5.0	01/11/21 14:14	
EPA 300.0	Chloride	47.3	mg/L	5.0	01/18/21 00:42	
EPA 350.1	Nitrogen, Ammonia	0.58	mg/L	0.050	01/12/21 14:10	
35602972009	**B41-2**					
	Field pH	6.59	Std. Units		01/07/21 15:19	
	Field Temperature	20.2	deg C		01/07/21 15:19	
	Appearance	Color: yellow, Sheen: none			01/07/21 15:19	
	Field Specific Conductance	521.2	umhos/cm		01/07/21 15:19	
	Oxygen, Dissolved	0.20	mg/L		01/07/21 15:19	
	REDOX	-135.3	mV		01/07/21 15:19	
	Turbidity	1.90	NTU		01/07/21 15:19	
	Water Level(NGVD)	24.21	feet		01/07/21 15:19	
EPA 6010	Barium	26.5	ug/L	10.0	01/11/21 20:32	
EPA 6010	Chromium	1.8 I	ug/L	5.0	01/11/21 20:32	
EPA 6010	Iron	1100	ug/L	40.0	01/11/21 20:32	
EPA 6010	Sodium	14.9	mg/L	2.0	01/11/21 20:32	
EPA 6010	Vanadium	2.4 I	ug/L	10.0	01/11/21 20:32	
EPA 6020	Arsenic	2.4	ug/L	1.0	01/08/21 10:09	
SM 2540C	Total Dissolved Solids	364	mg/L	5.0	01/11/21 14:14	
EPA 300.0	Chloride	20.5	mg/L	5.0	01/18/21 02:32	
EPA 350.1	Nitrogen, Ammonia	0.68	mg/L	0.050	01/12/21 14:12	
35602972010	**B1-B**					
	Field pH	6.54	Std. Units		01/07/21 16:05	
	Field Temperature	23.0	deg C		01/07/21 16:05	
	Appearance	Color: yellow, Sheen: none			01/07/21 16:05	
	Field Specific Conductance	1168	umhos/cm		01/07/21 16:05	
	Oxygen, Dissolved	0.21	mg/L		01/07/21 16:05	
	REDOX	-138.8	mV		01/07/21 16:05	
	Turbidity	5.32	NTU		01/07/21 16:05	
	Water Level(NGVD)	22.09	feet		01/07/21 16:05	
EPA 6010	Barium	270	ug/L	10.0	01/11/21 20:35	
EPA 6010	Iron	20000	ug/L	40.0	01/11/21 20:35	

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35602972010	**B1-B**					
EPA 6010	Sodium	49.0	mg/L	2.0	01/11/21 20:35	
EPA 6010	Vanadium	1.4 I	ug/L	10.0	01/11/21 20:35	
EPA 8260	Chlorobenzene	0.70 I	ug/L	1.0	01/11/21 21:30	
SM 2540C	Total Dissolved Solids	738	mg/L	10.0	01/11/21 14:14	
EPA 300.0	Chloride	46.0	mg/L	25.0	01/18/21 03:38	
EPA 350.1	Nitrogen, Ammonia	24.3	mg/L	0.25	01/12/21 16:21	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: EQ Blank 1/7/21 **Lab ID: 35602972001** Collected: 01/07/21 09:10 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0062 U**	ug/L	0.019	0.0062	1	01/08/21 16:27	01/11/21 19:09	96-12-8	
1,2-Dibromoethane (EDB)	**0.0072 U**	ug/L	0.0097	0.0072	1	01/08/21 16:27	01/11/21 19:09	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**6.2 I**	ug/L	10.0	0.84	1	01/08/21 00:15	01/11/21 19:51	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/08/21 00:15	01/11/21 19:51	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/08/21 00:15	01/11/21 19:51	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/08/21 00:15	01/11/21 19:51	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/08/21 00:15	01/11/21 19:51	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/08/21 00:15	01/11/21 19:51	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	01/08/21 00:15	01/11/21 19:51	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/08/21 00:15	01/11/21 19:51	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/08/21 00:15	01/11/21 19:51	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/08/21 00:15	01/11/21 19:51	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/08/21 00:15	01/11/21 19:51	7440-22-4	
Sodium	**0.54 U**	mg/L	2.0	0.54	1	01/08/21 00:15	01/11/21 19:51	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	01/08/21 00:15	01/11/21 19:51	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/08/21 00:15	01/11/21 19:51	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	01/08/21 00:15	01/08/21 10:00	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/08/21 00:15	01/08/21 10:00	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/08/21 00:15	01/08/21 10:00	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/08/21 12:19	01/11/21 14:30	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/11/21 14:43	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/11/21 14:43	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 14:43	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 14:43	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/11/21 14:43	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/11/21 14:43	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/11/21 14:43	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/11/21 14:43	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 14:43	75-15-0	J(v2)
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/11/21 14:43	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 14:43	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/11/21 14:43	75-00-3	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: EQ Blank 1/7/21 **Lab ID: 35602972001** Collected: 01/07/21 09:10 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 14:43	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/11/21 14:43	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/11/21 14:43	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/11/21 14:43	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/11/21 14:43	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/11/21 14:43	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/11/21 14:43	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/11/21 14:43	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 14:43	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 14:43	75-35-4	J(v1)
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 14:43	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 14:43	156-60-5	J(v2)
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 14:43	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/11/21 14:43	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 14:43	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 14:43	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/11/21 14:43	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/11/21 14:43	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/11/21 14:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/11/21 14:43	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/11/21 14:43	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 14:43	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 14:43	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/11/21 14:43	127-18-4	J(v2)
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/11/21 14:43	108-88-3	J(v2)
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 14:43	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 14:43	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/11/21 14:43	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 14:43	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/11/21 14:43	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 14:43	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/11/21 14:43	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/11/21 14:43	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/11/21 14:43	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/11/21 14:43	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		01/11/21 14:43	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**7.0**	mg/L	5.0	5.0	1		01/11/21 14:13		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		01/17/21 22:08	16887-00-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: EQ Blank 1/7/21 **Lab ID: 35602972001** Collected: 01/07/21 09:10 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		01/08/21 13:42	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		01/08/21 10:53	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B35-1 **Lab ID: 35602972002** Collected: 01/07/21 10:00 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.01**	Std. Units			1		01/07/21 10:00		
Field Temperature	**22.0**	deg C			1		01/07/21 10:00		
Appearance	**Color: yellow, Sheen: none**				1		01/07/21 10:00		
Field Specific Conductance	**298.2**	umhos/cm			1		01/07/21 10:00		
Oxygen, Dissolved	**0.57**	mg/L			1		01/07/21 10:00	7782-44-7	
REDOX	**-149.4**	mV			1		01/07/21 10:00		
Turbidity	**3.69**	NTU			1		01/07/21 10:00		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/08/21 16:27	01/11/21 19:24	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.0099	0.0075	1	01/08/21 16:27	01/11/21 19:24	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**77.3**	ug/L	10.0	0.84	1	01/08/21 00:15	01/11/21 19:54	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/08/21 00:15	01/11/21 19:54	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/08/21 00:15	01/11/21 19:54	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/08/21 00:15	01/11/21 19:54	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/08/21 00:15	01/11/21 19:54	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/08/21 00:15	01/11/21 19:54	7440-50-8	
Iron	**10400**	ug/L	40.0	25.0	1	01/08/21 00:15	01/11/21 19:54	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/08/21 00:15	01/11/21 19:54	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/08/21 00:15	01/11/21 19:54	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/08/21 00:15	01/11/21 19:54	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/08/21 00:15	01/11/21 19:54	7440-22-4	
Sodium	**26.6**	mg/L	2.0	0.54	1	01/08/21 00:15	01/11/21 19:54	7440-23-5	
Vanadium	**1.8 I**	ug/L	10.0	1.0	1	01/08/21 00:15	01/11/21 19:54	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/08/21 00:15	01/11/21 19:54	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	01/08/21 00:15	01/08/21 10:01	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/08/21 00:15	01/08/21 10:01	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/08/21 00:15	01/08/21 10:01	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/11/21 12:24	01/14/21 11:07	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B35-1 **Lab ID: 35602972002** Collected: 01/07/21 10:00 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/11/21 19:16	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/11/21 19:16	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 19:16	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 19:16	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/11/21 19:16	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/11/21 19:16	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/11/21 19:16	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/11/21 19:16	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 19:16	75-15-0	J(v2)
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/11/21 19:16	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 19:16	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/11/21 19:16	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 19:16	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/11/21 19:16	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/11/21 19:16	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/11/21 19:16	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/11/21 19:16	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/11/21 19:16	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/11/21 19:16	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/11/21 19:16	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 19:16	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 19:16	75-35-4	J(v1)
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 19:16	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 19:16	156-60-5	J(v2)
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 19:16	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/11/21 19:16	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 19:16	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 19:16	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/11/21 19:16	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/11/21 19:16	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/11/21 19:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/11/21 19:16	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/11/21 19:16	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 19:16	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 19:16	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/11/21 19:16	127-18-4	J(v2)
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/11/21 19:16	108-88-3	J(v2)
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 19:16	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 19:16	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/11/21 19:16	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 19:16	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/11/21 19:16	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 19:16	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/11/21 19:16	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/11/21 19:16	1330-20-7	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B35-1 **Lab ID: 35602972002** Collected: 01/07/21 10:00 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/11/21 19:16	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		01/11/21 19:16	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		01/11/21 19:16	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**207**	mg/L	5.0	5.0	1		01/11/21 14:13		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**42.2**	mg/L	5.0	2.5	1		01/17/21 22:30	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.15**	mg/L	0.050	0.035	1		01/08/21 13:43	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		01/08/21 11:08	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B35-2 **Lab ID: 35602972003** Collected: 01/07/21 10:24 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**5.41**	Std. Units			1		01/07/21 10:24		
Field Temperature	**20.4**	deg C			1		01/07/21 10:24		
Appearance	**Color: yellow, Sheen: none**				1		01/07/21 10:24		
Field Specific Conductance	**486.8**	umhos/cm			1		01/07/21 10:24		
Oxygen, Dissolved	**0.57**	mg/L			1		01/07/21 10:24	7782-44-7	
REDOX	**-131.1**	mV			1		01/07/21 10:24		
Turbidity	**2.29**	NTU			1		01/07/21 10:24		
Water Level(NGVD)	**28.54**	feet			1		01/07/21 10:24		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/08/21 16:27	01/11/21 19:39	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	01/08/21 16:27	01/11/21 19:39	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**94.8**	ug/L	10.0	0.84	1	01/08/21 00:15	01/11/21 20:10	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/08/21 00:15	01/11/21 20:10	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/08/21 00:15	01/11/21 20:10	7440-43-9	
Chromium	**5.3**	ug/L	5.0	1.7	1	01/08/21 00:15	01/11/21 20:10	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/08/21 00:15	01/11/21 20:10	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/08/21 00:15	01/11/21 20:10	7440-50-8	
Iron	**11900**	ug/L	40.0	25.0	1	01/08/21 00:15	01/11/21 20:10	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/08/21 00:15	01/11/21 20:10	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/08/21 00:15	01/11/21 20:10	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/08/21 00:15	01/11/21 20:10	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/08/21 00:15	01/11/21 20:10	7440-22-4	
Sodium	**61.1**	mg/L	2.0	0.54	1	01/08/21 00:15	01/11/21 20:10	7440-23-5	
Vanadium	**6.6 I**	ug/L	10.0	1.0	1	01/08/21 00:15	01/11/21 20:10	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/08/21 00:15	01/11/21 20:10	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	01/08/21 00:15	01/08/21 10:02	7440-36-0	
Arsenic	**0.77 I**	ug/L	1.0	0.50	1	01/08/21 00:15	01/08/21 10:02	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/08/21 00:15	01/08/21 10:02	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/11/21 12:24	01/14/21 11:09	7439-97-6	

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B35-2 **Lab ID: 35602972003** Collected: 01/07/21 10:24 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/11/21 19:43	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/11/21 19:43	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 19:43	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 19:43	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/11/21 19:43	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/11/21 19:43	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/11/21 19:43	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/11/21 19:43	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 19:43	75-15-0	J(v2)
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/11/21 19:43	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 19:43	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/11/21 19:43	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 19:43	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/11/21 19:43	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/11/21 19:43	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/11/21 19:43	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/11/21 19:43	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/11/21 19:43	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/11/21 19:43	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/11/21 19:43	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 19:43	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 19:43	75-35-4	J(v1)
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 19:43	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 19:43	156-60-5	J(v2)
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 19:43	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/11/21 19:43	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 19:43	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 19:43	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/11/21 19:43	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/11/21 19:43	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/11/21 19:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/11/21 19:43	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/11/21 19:43	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 19:43	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 19:43	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/11/21 19:43	127-18-4	J(v2)
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/11/21 19:43	108-88-3	J(v2)
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 19:43	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 19:43	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/11/21 19:43	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 19:43	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/11/21 19:43	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 19:43	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/11/21 19:43	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/11/21 19:43	1330-20-7	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B35-2 **Lab ID: 35602972003** Collected: 01/07/21 10:24 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		01/11/21 19:43	460-00-4	
Toluene-d8 (S)	104	%	70-130		1		01/11/21 19:43	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		01/11/21 19:43	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**350**	mg/L	5.0	5.0	1		01/11/21 14:13		
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		01/18/21 09:16	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.71**	mg/L	0.050	0.035	1		01/12/21 13:29	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		01/08/21 13:32	14797-55-8	D3

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B36 **Lab ID: 35602972004** Collected: 01/07/21 11:25 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.58**	Std. Units			1		01/07/21 11:25		
Field Temperature	**22.4**	deg C			1		01/07/21 11:25		
Appearance	**Color: yellow, Sheen: none**				1		01/07/21 11:25		
Field Specific Conductance	**2074**	umhos/cm			1		01/07/21 11:25		
Oxygen, Dissolved	**0.23**	mg/L			1		01/07/21 11:25	7782-44-7	
REDOX	**-133.0**	mV			1		01/07/21 11:25		
Turbidity	**1.75**	NTU			1		01/07/21 11:25		
Water Level(NGVD)	**28.13**	feet			1		01/07/21 11:25		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/08/21 16:27	01/11/21 19:54	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	01/08/21 16:27	01/11/21 19:54	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**164**	ug/L	10.0	0.84	1	01/08/21 00:15	01/11/21 20:13	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/08/21 00:15	01/11/21 20:13	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/08/21 00:15	01/11/21 20:13	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/08/21 00:15	01/11/21 20:13	7440-47-3	
Cobalt	**3.2 I**	ug/L	10.0	0.96	1	01/08/21 00:15	01/11/21 20:13	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/08/21 00:15	01/11/21 20:13	7440-50-8	
Iron	**6430**	ug/L	40.0	25.0	1	01/08/21 00:15	01/11/21 20:13	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/08/21 00:15	01/11/21 20:13	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/08/21 00:15	01/11/21 20:13	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/08/21 00:15	01/11/21 20:13	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/08/21 00:15	01/11/21 20:13	7440-22-4	
Sodium	**132**	mg/L	2.0	0.54	1	01/08/21 00:15	01/11/21 20:13	7440-23-5	
Vanadium	**1.0 I**	ug/L	10.0	1.0	1	01/08/21 00:15	01/11/21 20:13	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/08/21 00:15	01/11/21 20:13	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	01/08/21 00:15	01/08/21 10:04	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/08/21 00:15	01/08/21 10:04	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/08/21 00:15	01/08/21 10:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/11/21 12:24	01/14/21 11:11	7439-97-6	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B36 **Lab ID: 35602972004** Collected: 01/07/21 11:25 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/11/21 20:10	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/11/21 20:10	107-13-1	
Benzene	**1.9**	ug/L	1.0	0.30	1		01/11/21 20:10	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 20:10	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/11/21 20:10	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/11/21 20:10	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/11/21 20:10	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/11/21 20:10	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 20:10	75-15-0	J(v2)
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/11/21 20:10	56-23-5	
Chlorobenzene	**3.7**	ug/L	1.0	0.35	1		01/11/21 20:10	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/11/21 20:10	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 20:10	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/11/21 20:10	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/11/21 20:10	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/11/21 20:10	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/11/21 20:10	95-50-1	
1,4-Dichlorobenzene	**0.51 I**	ug/L	1.0	0.28	1		01/11/21 20:10	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/11/21 20:10	110-57-6	
1,1-Dichloroethane	**1.1**	ug/L	1.0	0.34	1		01/11/21 20:10	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 20:10	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 20:10	75-35-4	J(v1)
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 20:10	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 20:10	156-60-5	J(v2)
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 20:10	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/11/21 20:10	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 20:10	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 20:10	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/11/21 20:10	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/11/21 20:10	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/11/21 20:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/11/21 20:10	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/11/21 20:10	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 20:10	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 20:10	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/11/21 20:10	127-18-4	J(v2)
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/11/21 20:10	108-88-3	J(v2)
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 20:10	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 20:10	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/11/21 20:10	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 20:10	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/11/21 20:10	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 20:10	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/11/21 20:10	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/11/21 20:10	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B36 **Lab ID: 35602972004** Collected: 01/07/21 11:25 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/11/21 20:10	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		01/11/21 20:10	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		01/11/21 20:10	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**1430**	mg/L	10.0	10.0	1		01/11/21 14:14		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**239**	mg/L	50.0	25.0	10		01/17/21 23:14	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.35**	mg/L	0.050	0.035	1		01/12/21 14:00	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		01/08/21 13:05	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B36 Dup **Lab ID: 35602972005** Collected: 01/07/21 11:25 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.58**	Std. Units			1		01/07/21 11:25		
Field Temperature	**22.4**	deg C			1		01/07/21 11:25		
Appearance	**Color: yellow, Sheen: none**				1		01/07/21 11:25		
Field Specific Conductance	**2074**	umhos/cm			1		01/07/21 11:25		
Oxygen, Dissolved	**0.23**	mg/L			1		01/07/21 11:25	7782-44-7	
REDOX	**-133.0**	mV			1		01/07/21 11:25		
Turbidity	**1.75**	NTU			1		01/07/21 11:25		
Water Level(NGVD)	**28.13**	feet			1		01/07/21 11:25		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0063 U**	ug/L	0.020	0.0063	1	01/08/21 16:27	01/11/21 20:09	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0099	0.0074	1	01/08/21 16:27	01/11/21 20:09	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**152**	ug/L	10.0	0.84	1	01/11/21 08:44	01/12/21 08:35	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/11/21 08:44	01/12/21 08:35	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/11/21 08:44	01/12/21 08:35	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/11/21 08:44	01/12/21 08:35	7440-47-3	
Cobalt	**3.2 I**	ug/L	10.0	0.96	1	01/11/21 08:44	01/12/21 08:35	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/11/21 08:44	01/12/21 08:35	7440-50-8	
Iron	**6210**	ug/L	40.0	25.0	1	01/11/21 08:44	01/12/21 08:35	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/11/21 08:44	01/12/21 08:35	7439-92-1	
Nickel	**2.4 I**	ug/L	5.0	2.1	1	01/11/21 08:44	01/12/21 08:35	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/11/21 08:44	01/12/21 08:35	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/11/21 08:44	01/12/21 08:35	7440-22-4	
Sodium	**132**	mg/L	2.0	0.54	1	01/11/21 08:44	01/12/21 08:35	7440-23-5	
Vanadium	**1.4 I**	ug/L	10.0	1.0	1	01/11/21 08:44	01/12/21 08:35	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/11/21 08:44	01/12/21 08:35	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/11/21 08:44	01/12/21 12:30	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/11/21 08:44	01/12/21 12:30	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/11/21 08:44	01/12/21 12:30	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/11/21 12:24	01/14/21 11:13	7439-97-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B36 Dup **Lab ID: 35602972005** Collected: 01/07/21 11:25 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/11/21 20:38	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/11/21 20:38	107-13-1	
Benzene	**1.6**	ug/L	1.0	0.30	1		01/11/21 20:38	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 20:38	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/11/21 20:38	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/11/21 20:38	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/11/21 20:38	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/11/21 20:38	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 20:38	75-15-0	J(v2)
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/11/21 20:38	56-23-5	
Chlorobenzene	**3.7**	ug/L	1.0	0.35	1		01/11/21 20:38	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/11/21 20:38	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 20:38	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/11/21 20:38	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/11/21 20:38	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/11/21 20:38	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/11/21 20:38	95-50-1	
1,4-Dichlorobenzene	**0.49 I**	ug/L	1.0	0.28	1		01/11/21 20:38	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/11/21 20:38	110-57-6	
1,1-Dichloroethane	**0.87 I**	ug/L	1.0	0.34	1		01/11/21 20:38	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 20:38	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 20:38	75-35-4	J(v1)
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 20:38	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 20:38	156-60-5	J(v2)
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 20:38	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/11/21 20:38	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 20:38	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 20:38	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/11/21 20:38	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/11/21 20:38	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/11/21 20:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/11/21 20:38	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/11/21 20:38	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 20:38	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 20:38	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/11/21 20:38	127-18-4	J(v2)
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/11/21 20:38	108-88-3	J(v2)
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 20:38	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 20:38	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/11/21 20:38	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 20:38	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/11/21 20:38	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 20:38	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/11/21 20:38	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/11/21 20:38	1330-20-7	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B36 Dup **Lab ID: 35602972005** Collected: 01/07/21 11:25 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/11/21 20:38	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		01/11/21 20:38	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		01/11/21 20:38	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**1450**	mg/L	10.0	10.0	1		01/11/21 14:14		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**232**	mg/L	50.0	25.0	10		01/17/21 23:36	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.35**	mg/L	0.050	0.035	1		01/12/21 14:05	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		01/08/21 13:06	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B40-1 **Lab ID: 35602972006** Collected: 01/07/21 12:37 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**5.66**	Std. Units			1		01/07/21 12:37		
Field Temperature	**22.1**	deg C			1		01/07/21 12:37		
Appearance	**Color: yellow, Sheen: none**				1		01/07/21 12:37		
Field Specific Conductance	**745**	umhos/cm			1		01/07/21 12:37		
Oxygen, Dissolved	**0.34**	mg/L			1		01/07/21 12:37	7782-44-7	
REDOX	**-130.1**	mV			1		01/07/21 12:37		
Turbidity	**2.05**	NTU			1		01/07/21 12:37		
Water Level(NGVD)	**22.90**	feet			1		01/07/21 12:37		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0063 U**	ug/L	0.020	0.0063	1	01/08/21 16:27	01/11/21 20:24	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0098	0.0074	1	01/08/21 16:27	01/11/21 20:24	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**209**	ug/L	10.0	0.84	1	01/08/21 00:15	01/11/21 20:16	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/08/21 00:15	01/11/21 20:16	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/08/21 00:15	01/11/21 20:16	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/08/21 00:15	01/11/21 20:16	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/08/21 00:15	01/11/21 20:16	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/08/21 00:15	01/11/21 20:16	7440-50-8	
Iron	**24200**	ug/L	40.0	25.0	1	01/08/21 00:15	01/11/21 20:16	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/08/21 00:15	01/11/21 20:16	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/08/21 00:15	01/11/21 20:16	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/08/21 00:15	01/11/21 20:16	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/08/21 00:15	01/11/21 20:16	7440-22-4	
Sodium	**57.5**	mg/L	2.0	0.54	1	01/08/21 00:15	01/11/21 20:16	7440-23-5	
Vanadium	**1.6 I**	ug/L	10.0	1.0	1	01/08/21 00:15	01/11/21 20:16	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/08/21 00:15	01/11/21 20:16	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/08/21 00:15	01/08/21 10:05	7440-36-0	
Arsenic	**1.0**	ug/L	1.0	0.50	1	01/08/21 00:15	01/08/21 10:05	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/08/21 00:15	01/08/21 10:05	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/11/21 12:24	01/14/21 11:16	7439-97-6	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B40-1 **Lab ID: 35602972006** Collected: 01/07/21 12:37 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/11/21 21:05	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/11/21 21:05	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:05	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 21:05	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/11/21 21:05	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/11/21 21:05	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/11/21 21:05	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/11/21 21:05	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 21:05	75-15-0	J(v2)
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/11/21 21:05	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 21:05	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/11/21 21:05	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 21:05	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/11/21 21:05	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/11/21 21:05	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/11/21 21:05	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/11/21 21:05	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/11/21 21:05	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/11/21 21:05	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/11/21 21:05	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 21:05	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 21:05	75-35-4	J(v2)
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 21:05	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 21:05	156-60-5	J(v2)
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 21:05	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/11/21 21:05	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 21:05	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:05	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/11/21 21:05	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/11/21 21:05	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/11/21 21:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/11/21 21:05	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/11/21 21:05	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 21:05	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 21:05	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/11/21 21:05	127-18-4	J(v2)
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/11/21 21:05	108-88-3	J(v2)
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:05	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:05	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/11/21 21:05	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 21:05	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/11/21 21:05	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 21:05	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/11/21 21:05	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/11/21 21:05	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B40-1 **Lab ID: 35602972006** Collected: 01/07/21 12:37 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/11/21 21:05	460-00-4	
Toluene-d8 (S)	104	%	70-130		1		01/11/21 21:05	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		01/11/21 21:05	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**531**	mg/L	5.0	5.0	1		01/11/21 14:14		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**72.2**	mg/L	5.0	2.5	1		01/17/21 23:58	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.33**	mg/L	0.050	0.035	1		01/12/21 14:06	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.12 U**	mg/L	0.25	0.12	5		01/08/21 13:50	14797-55-8	D3

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B40-2 **Lab ID: 35602972007** Collected: 01/07/21 13:13 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.09**	Std. Units			1		01/07/21 13:13		
Field Temperature	**20.0**	deg C			1		01/07/21 13:13		
Appearance	**Color: yellow, Sheen: none**				1		01/07/21 13:13		
Field Specific Conductance	**495.7**	umhos/cm			1		01/07/21 13:13		
Oxygen, Dissolved	**0.19**	mg/L			1		01/07/21 13:13	7782-44-7	
REDOX	**-127.2**	mV			1		01/07/21 13:13		
Turbidity	**2.86**	NTU			1		01/07/21 13:13		
Water Level(NGVD)	**24.24**	feet			1		01/07/21 13:13		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0062 U**	ug/L	0.019	0.0062	1	01/08/21 16:27	01/11/21 20:39	96-12-8	
1,2-Dibromoethane (EDB)	**0.0073 U**	ug/L	0.0097	0.0073	1	01/08/21 16:27	01/11/21 20:39	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**26.8**	ug/L	10.0	0.84	1	01/08/21 00:15	01/11/21 20:25	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/08/21 00:15	01/11/21 20:25	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/08/21 00:15	01/11/21 20:25	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/08/21 00:15	01/11/21 20:25	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/08/21 00:15	01/11/21 20:25	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/08/21 00:15	01/11/21 20:25	7440-50-8	
Iron	**4530**	ug/L	40.0	25.0	1	01/08/21 00:15	01/11/21 20:25	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/08/21 00:15	01/11/21 20:25	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/08/21 00:15	01/11/21 20:25	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/08/21 00:15	01/11/21 20:25	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/08/21 00:15	01/11/21 20:25	7440-22-4	
Sodium	**17.1**	mg/L	2.0	0.54	1	01/08/21 00:15	01/11/21 20:25	7440-23-5	
Vanadium	**2.8 I**	ug/L	10.0	1.0	1	01/08/21 00:15	01/11/21 20:25	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/08/21 00:15	01/11/21 20:25	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/08/21 00:15	01/08/21 10:06	7440-36-0	
Arsenic	**3.0**	ug/L	1.0	0.50	1	01/08/21 00:15	01/08/21 10:06	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/08/21 00:15	01/08/21 10:06	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/11/21 12:24	01/14/21 11:18	7439-97-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B40-2 **Lab ID: 35602972007** Collected: 01/07/21 13:13 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/11/21 21:32	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/11/21 21:32	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:32	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 21:32	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/11/21 21:32	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/11/21 21:32	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/11/21 21:32	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/11/21 21:32	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 21:32	75-15-0	J(v2)
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/11/21 21:32	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 21:32	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/11/21 21:32	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 21:32	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/11/21 21:32	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/11/21 21:32	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/11/21 21:32	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/11/21 21:32	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/11/21 21:32	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/11/21 21:32	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/11/21 21:32	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 21:32	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 21:32	75-35-4	J(v1)
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 21:32	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 21:32	156-60-5	J(v2)
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 21:32	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/11/21 21:32	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 21:32	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:32	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/11/21 21:32	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/11/21 21:32	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/11/21 21:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/11/21 21:32	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/11/21 21:32	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 21:32	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 21:32	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/11/21 21:32	127-18-4	J(v2)
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/11/21 21:32	108-88-3	J(v2)
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:32	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:32	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/11/21 21:32	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 21:32	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/11/21 21:32	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 21:32	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/11/21 21:32	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/11/21 21:32	1330-20-7	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B40-2 **Lab ID: 35602972007** Collected: 01/07/21 13:13 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/11/21 21:32	460-00-4	
Toluene-d8 (S)	104	%	70-130		1		01/11/21 21:32	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		01/11/21 21:32	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**370**	mg/L	5.0	5.0	1		01/11/21 14:14		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**19.3**	mg/L	5.0	2.5	1		01/18/21 00:20	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		01/12/21 14:08	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		01/08/21 13:24	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B65 **Lab ID: 35602972008** Collected: 01/07/21 14:45 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.03**	Std. Units			1		01/07/21 14:45		
Field Temperature	**20.3**	deg C			1		01/07/21 14:45		
Appearance	**Color: yellow, Sheen: none**				1		01/07/21 14:45		
Field Specific Conductance	**612**	umhos/cm			1		01/07/21 14:45		
Oxygen, Dissolved	**0.26**	mg/L			1		01/07/21 14:45	7782-44-7	
REDOX	**-128.3**	mV			1		01/07/21 14:45		
Turbidity	**2.16**	NTU			1		01/07/21 14:45		
Water Level(NGVD)	**24.26**	feet			1		01/07/21 14:45		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0062 U**	ug/L	0.020	0.0062	1	01/08/21 16:27	01/11/21 20:54	96-12-8	
1,2-Dibromoethane (EDB)	**0.0073 U**	ug/L	0.0098	0.0073	1	01/08/21 16:27	01/11/21 20:54	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**46.0**	ug/L	10.0	0.84	1	01/08/21 00:15	01/11/21 20:29	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/08/21 00:15	01/11/21 20:29	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/08/21 00:15	01/11/21 20:29	7440-43-9	
Chromium	**2.8 I**	ug/L	5.0	1.7	1	01/08/21 00:15	01/11/21 20:29	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/08/21 00:15	01/11/21 20:29	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/08/21 00:15	01/11/21 20:29	7440-50-8	
Iron	**1570**	ug/L	40.0	25.0	1	01/08/21 00:15	01/11/21 20:29	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/08/21 00:15	01/11/21 20:29	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/08/21 00:15	01/11/21 20:29	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/08/21 00:15	01/11/21 20:29	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/08/21 00:15	01/11/21 20:29	7440-22-4	
Sodium	**26.5**	mg/L	2.0	0.54	1	01/08/21 00:15	01/11/21 20:29	7440-23-5	
Vanadium	**3.3 I**	ug/L	10.0	1.0	1	01/08/21 00:15	01/11/21 20:29	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/08/21 00:15	01/11/21 20:29	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/08/21 00:15	01/08/21 10:08	7440-36-0	
Arsenic	**2.2**	ug/L	1.0	0.50	1	01/08/21 00:15	01/08/21 10:08	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/08/21 00:15	01/08/21 10:08	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/11/21 12:24	01/14/21 11:25	7439-97-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B65 **Lab ID: 35602972008** Collected: 01/07/21 14:45 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/11/21 21:59	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/11/21 21:59	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:59	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 21:59	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/11/21 21:59	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/11/21 21:59	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/11/21 21:59	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/11/21 21:59	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 21:59	75-15-0	J(v2)
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/11/21 21:59	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 21:59	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/11/21 21:59	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 21:59	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/11/21 21:59	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/11/21 21:59	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/11/21 21:59	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/11/21 21:59	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/11/21 21:59	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/11/21 21:59	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/11/21 21:59	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 21:59	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 21:59	75-35-4	J(v1)
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 21:59	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 21:59	156-60-5	J(v2)
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 21:59	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/11/21 21:59	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 21:59	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:59	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/11/21 21:59	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/11/21 21:59	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/11/21 21:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/11/21 21:59	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/11/21 21:59	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 21:59	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 21:59	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/11/21 21:59	127-18-4	J(v2)
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/11/21 21:59	108-88-3	J(v2)
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:59	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:59	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/11/21 21:59	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 21:59	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/11/21 21:59	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 21:59	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/11/21 21:59	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/11/21 21:59	1330-20-7	

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B65 **Lab ID: 35602972008** Collected: 01/07/21 14:45 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/11/21 21:59	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/11/21 21:59	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		01/11/21 21:59	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**433**	mg/L	5.0	5.0	1		01/11/21 14:14		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**47.3**	mg/L	5.0	2.5	1		01/18/21 00:42	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.58**	mg/L	0.050	0.035	1		01/12/21 14:10	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		01/08/21 18:03	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B41-2 **Lab ID: 35602972009** Collected: 01/07/21 15:19 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.59**	Std. Units			1		01/07/21 15:19		
Field Temperature	**20.2**	deg C			1		01/07/21 15:19		
Appearance	**Color: yellow, Sheen: none**				1		01/07/21 15:19		
Field Specific Conductance	**521.2**	umhos/cm			1		01/07/21 15:19		
Oxygen, Dissolved	**0.20**	mg/L			1		01/07/21 15:19	7782-44-7	
REDOX	**-135.3**	mV			1		01/07/21 15:19		
Turbidity	**1.90**	NTU			1		01/07/21 15:19		
Water Level(NGVD)	**24.21**	feet			1		01/07/21 15:19		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0063 U**	ug/L	0.020	0.0063	1	01/08/21 16:27	01/11/21 21:25	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0099	0.0074	1	01/08/21 16:27	01/11/21 21:25	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**26.5**	ug/L	10.0	0.84	1	01/08/21 00:15	01/11/21 20:32	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/08/21 00:15	01/11/21 20:32	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/08/21 00:15	01/11/21 20:32	7440-43-9	
Chromium	**1.8 I**	ug/L	5.0	1.7	1	01/08/21 00:15	01/11/21 20:32	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/08/21 00:15	01/11/21 20:32	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/08/21 00:15	01/11/21 20:32	7440-50-8	
Iron	**1100**	ug/L	40.0	25.0	1	01/08/21 00:15	01/11/21 20:32	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/08/21 00:15	01/11/21 20:32	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/08/21 00:15	01/11/21 20:32	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/08/21 00:15	01/11/21 20:32	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/08/21 00:15	01/11/21 20:32	7440-22-4	
Sodium	**14.9**	mg/L	2.0	0.54	1	01/08/21 00:15	01/11/21 20:32	7440-23-5	
Vanadium	**2.4 I**	ug/L	10.0	1.0	1	01/08/21 00:15	01/11/21 20:32	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/08/21 00:15	01/11/21 20:32	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/08/21 00:15	01/08/21 10:09	7440-36-0	
Arsenic	**2.4**	ug/L	1.0	0.50	1	01/08/21 00:15	01/08/21 10:09	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/08/21 00:15	01/08/21 10:09	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/11/21 12:24	01/14/21 11:27	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B41-2 **Lab ID: 35602972009** Collected: 01/07/21 15:19 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/11/21 21:03	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/11/21 21:03	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:03	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 21:03	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/11/21 21:03	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/11/21 21:03	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/11/21 21:03	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/11/21 21:03	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 21:03	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/11/21 21:03	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 21:03	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/11/21 21:03	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 21:03	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/11/21 21:03	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/11/21 21:03	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/11/21 21:03	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/11/21 21:03	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/11/21 21:03	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/11/21 21:03	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/11/21 21:03	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 21:03	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 21:03	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 21:03	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 21:03	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 21:03	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/11/21 21:03	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 21:03	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:03	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/11/21 21:03	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/11/21 21:03	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/11/21 21:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/11/21 21:03	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/11/21 21:03	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 21:03	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 21:03	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/11/21 21:03	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/11/21 21:03	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:03	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:03	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/11/21 21:03	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 21:03	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/11/21 21:03	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 21:03	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/11/21 21:03	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/11/21 21:03	1330-20-7	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B41-2 **Lab ID: 35602972009** Collected: 01/07/21 15:19 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		01/11/21 21:03	460-00-4	
Toluene-d8 (S)	105	%	70-130		1		01/11/21 21:03	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		01/11/21 21:03	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**364**	mg/L	5.0	5.0	1		01/11/21 14:14		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**20.5**	mg/L	5.0	2.5	1		01/18/21 02:32	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.68**	mg/L	0.050	0.035	1		01/12/21 14:12	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.12 U**	mg/L	0.25	0.12	5		01/08/21 19:10	14797-55-8	D3

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B1-B **Lab ID: 35602972010** Collected: 01/07/21 16:05 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.54**	Std. Units			1		01/07/21 16:05		
Field Temperature	**23.0**	deg C			1		01/07/21 16:05		
Appearance	**Color: yellow, Sheen: none**				1		01/07/21 16:05		
Field Specific Conductance	**1168**	umhos/cm			1		01/07/21 16:05		
Oxygen, Dissolved	**0.21**	mg/L			1		01/07/21 16:05	7782-44-7	
REDOX	**-138.8**	mV			1		01/07/21 16:05		
Turbidity	**5.32**	NTU			1		01/07/21 16:05		
Water Level(NGVD)	**22.09**	feet			1		01/07/21 16:05		
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	01/08/21 16:27	01/11/21 21:40	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0099	0.0074	1	01/08/21 16:27	01/11/21 21:40	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**270**	ug/L	10.0	0.84	1	01/08/21 00:15	01/11/21 20:35	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/08/21 00:15	01/11/21 20:35	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/08/21 00:15	01/11/21 20:35	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/08/21 00:15	01/11/21 20:35	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/08/21 00:15	01/11/21 20:35	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/08/21 00:15	01/11/21 20:35	7440-50-8	
Iron	**20000**	ug/L	40.0	25.0	1	01/08/21 00:15	01/11/21 20:35	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/08/21 00:15	01/11/21 20:35	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/08/21 00:15	01/11/21 20:35	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/08/21 00:15	01/11/21 20:35	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/08/21 00:15	01/11/21 20:35	7440-22-4	
Sodium	**49.0**	mg/L	2.0	0.54	1	01/08/21 00:15	01/11/21 20:35	7440-23-5	
Vanadium	**1.4 I**	ug/L	10.0	1.0	1	01/08/21 00:15	01/11/21 20:35	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/08/21 00:15	01/11/21 20:35	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/08/21 00:15	01/08/21 10:10	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/08/21 00:15	01/08/21 10:10	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/08/21 00:15	01/08/21 10:10	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/11/21 12:24	01/14/21 11:29	7439-97-6	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B1-B **Lab ID: 35602972010** Collected: 01/07/21 16:05 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/11/21 21:30	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/11/21 21:30	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:30	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 21:30	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/11/21 21:30	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/11/21 21:30	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/11/21 21:30	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/11/21 21:30	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 21:30	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/11/21 21:30	56-23-5	
Chlorobenzene	**0.70 I**	ug/L	1.0	0.35	1		01/11/21 21:30	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/11/21 21:30	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 21:30	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/11/21 21:30	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/11/21 21:30	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/11/21 21:30	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/11/21 21:30	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/11/21 21:30	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/11/21 21:30	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/11/21 21:30	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 21:30	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 21:30	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 21:30	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 21:30	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 21:30	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/11/21 21:30	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 21:30	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:30	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/11/21 21:30	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/11/21 21:30	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/11/21 21:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/11/21 21:30	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/11/21 21:30	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 21:30	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 21:30	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/11/21 21:30	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/11/21 21:30	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:30	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 21:30	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/11/21 21:30	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 21:30	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/11/21 21:30	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 21:30	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/11/21 21:30	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/11/21 21:30	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: B1-B **Lab ID: 35602972010** Collected: 01/07/21 16:05 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		01/11/21 21:30	460-00-4	
Toluene-d8 (S)	107	%	70-130		1		01/11/21 21:30	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/11/21 21:30	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**738**	mg/L	10.0	10.0	1		01/11/21 14:14		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**46.0**	mg/L	25.0	12.5	5		01/18/21 03:38	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**24.3**	mg/L	0.25	0.17	5		01/12/21 16:21	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.12 U**	mg/L	0.25	0.12	5		01/08/21 19:11	14797-55-8	D3

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: TRIP BLANK 1/7/21 **Lab ID: 35602972011** Collected: 01/07/21 00:00 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/11/21 15:10	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/11/21 15:10	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 15:10	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 15:10	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/11/21 15:10	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/11/21 15:10	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/11/21 15:10	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/11/21 15:10	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 15:10	75-15-0	J(v2)
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/11/21 15:10	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 15:10	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/11/21 15:10	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 15:10	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/11/21 15:10	74-87-3	
1,2-Dibromo-3-chloropropane	**1.9 U**	ug/L	5.0	1.9	1		01/11/21 15:10	96-12-8	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/11/21 15:10	124-48-1	
1,2-Dibromoethane (EDB)	**0.31 U**	ug/L	1.0	0.31	1		01/11/21 15:10	106-93-4	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/11/21 15:10	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/11/21 15:10	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/11/21 15:10	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/11/21 15:10	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/11/21 15:10	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 15:10	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 15:10	75-35-4	J(v1)
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/11/21 15:10	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 15:10	156-60-5	J(v2)
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/11/21 15:10	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/11/21 15:10	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/11/21 15:10	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 15:10	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/11/21 15:10	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/11/21 15:10	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/11/21 15:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/11/21 15:10	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/11/21 15:10	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/11/21 15:10	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/11/21 15:10	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/11/21 15:10	127-18-4	J(v2)
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/11/21 15:10	108-88-3	J(v2)
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 15:10	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/11/21 15:10	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/11/21 15:10	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/11/21 15:10	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/11/21 15:10	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/11/21 15:10	108-05-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Sample: TRIP BLANK 1/7/21 **Lab ID: 35602972011** Collected: 01/07/21 00:00 Received: 01/07/21 16:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/11/21 15:10	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/11/21 15:10	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/11/21 15:10	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		01/11/21 15:10	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		01/11/21 15:10	2199-69-1	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 695090
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602972001

METHOD BLANK: 3783320 Matrix: Water
Associated Lab Samples: 35602972001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	01/11/21 13:32	

LABORATORY CONTROL SAMPLE: 3783321

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3783322 3783323

Parameter	Units	35602679001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	2.0	1.9	98	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 695618 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602972002, 35602972003, 35602972004, 35602972005, 35602972006, 35602972007, 35602972008, 35602972009, 35602972010

METHOD BLANK: 3786379 Matrix: Water
Associated Lab Samples: 35602972002, 35602972003, 35602972004, 35602972005, 35602972006, 35602972007, 35602972008, 35602972009, 35602972010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	01/14/21 10:21	

LABORATORY CONTROL SAMPLE: 3786380

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786381 3786382

Parameter	Units	35603377001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	1.9	1.9	94	92	75-125	3	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 694994
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602972001, 35602972002, 35602972003, 35602972004, 35602972006, 35602972007, 35602972008, 35602972009, 35602972010

METHOD BLANK: 3782759 Matrix: Water
Associated Lab Samples: 35602972001, 35602972002, 35602972003, 35602972004, 35602972006, 35602972007, 35602972008, 35602972009, 35602972010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	01/11/21 19:19	
Beryllium	ug/L	0.17 U	4.0	0.17	01/11/21 19:19	
Cadmium	ug/L	0.33 U	1.0	0.33	01/11/21 19:19	
Chromium	ug/L	1.7 U	5.0	1.7	01/11/21 19:19	
Cobalt	ug/L	0.96 U	10.0	0.96	01/11/21 19:19	
Copper	ug/L	2.6 U	5.0	2.6	01/11/21 19:19	
Iron	ug/L	25.0 U	40.0	25.0	01/11/21 19:19	
Lead	ug/L	4.6 U	10.0	4.6	01/11/21 19:19	
Nickel	ug/L	2.1 U	5.0	2.1	01/11/21 19:19	
Selenium	ug/L	8.5 U	15.0	8.5	01/11/21 19:19	
Silver	ug/L	1.0 U	5.0	1.0	01/11/21 19:19	
Sodium	mg/L	0.54 U	2.0	0.54	01/11/21 19:19	
Vanadium	ug/L	1.0 U	10.0	1.0	01/11/21 19:19	
Zinc	ug/L	11.0 U	20.0	11.0	01/11/21 19:19	

LABORATORY CONTROL SAMPLE: 3782760

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	264	106	80-120	
Beryllium	ug/L	25	24.8	99	80-120	
Cadmium	ug/L	25	26.3	105	80-120	
Chromium	ug/L	250	254	101	80-120	
Cobalt	ug/L	250	258	103	80-120	
Copper	ug/L	250	246	98	80-120	
Iron	ug/L	2500	2560	102	80-120	
Lead	ug/L	250	264	106	80-120	
Nickel	ug/L	250	259	104	80-120	
Selenium	ug/L	250	263	105	80-120	
Silver	ug/L	25	25.0	100	80-120	
Sodium	mg/L	12.5	12.5	100	80-120	
Vanadium	ug/L	250	252	101	80-120	
Zinc	ug/L	1250	1310	105	80-120	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3782761 3782762

Parameter	Units	35602972002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	77.3	250	250	343	347	106	108	75-125	1	20	
Beryllium	ug/L	0.17 U	25	25	24.8	24.9	99	99	75-125	0	20	
Cadmium	ug/L	0.33 U	25	25	26.7	26.6	107	106	75-125	0	20	
Chromium	ug/L	1.7 U	250	250	257	258	102	102	75-125	0	20	
Cobalt	ug/L	0.96 U	250	250	263	265	105	106	75-125	1	20	
Copper	ug/L	2.6 U	250	250	252	254	101	101	75-125	1	20	
Iron	ug/L	10400	2500	2500	12800	12900	95	100	75-125	1	20	
Lead	ug/L	4.6 U	250	250	265	266	106	106	75-125	0	20	
Nickel	ug/L	2.1 U	250	250	264	265	105	106	75-125	0	20	
Selenium	ug/L	8.5 U	250	250	263	265	105	106	75-125	1	20	
Silver	ug/L	1.0 U	25	25	25.3	25.6	101	102	75-125	1	20	
Sodium	mg/L	26.6	12.5	12.5	39.5	39.8	103	105	75-125	1	20	
Vanadium	ug/L	1.8 I	250	250	258	259	103	103	75-125	0	20	
Zinc	ug/L	11.0 U	1250	1250	1330	1330	106	106	75-125	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 695545
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35602972005

METHOD BLANK: 3786080 Matrix: Water
Associated Lab Samples: 35602972005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	01/12/21 08:29	
Beryllium	ug/L	0.17 U	4.0	0.17	01/12/21 08:29	
Cadmium	ug/L	0.33 U	1.0	0.33	01/12/21 08:29	
Chromium	ug/L	1.7 U	5.0	1.7	01/12/21 08:29	
Cobalt	ug/L	0.96 U	10.0	0.96	01/12/21 08:29	
Copper	ug/L	2.6 U	5.0	2.6	01/12/21 08:29	
Iron	ug/L	25.0 U	40.0	25.0	01/12/21 08:29	
Lead	ug/L	4.6 U	10.0	4.6	01/12/21 08:29	
Nickel	ug/L	2.1 U	5.0	2.1	01/12/21 08:29	
Selenium	ug/L	8.5 U	15.0	8.5	01/12/21 08:29	
Silver	ug/L	1.0 U	5.0	1.0	01/12/21 08:29	
Sodium	mg/L	0.54 U	2.0	0.54	01/12/21 08:29	
Vanadium	ug/L	1.0 U	10.0	1.0	01/12/21 08:29	
Zinc	ug/L	11.0 U	20.0	11.0	01/12/21 08:29	

LABORATORY CONTROL SAMPLE: 3786081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	253	101	80-120	
Beryllium	ug/L	25	24.8	99	80-120	
Cadmium	ug/L	25	25.4	102	80-120	
Chromium	ug/L	250	255	102	80-120	
Cobalt	ug/L	250	256	102	80-120	
Copper	ug/L	250	247	99	80-120	
Iron	ug/L	2500	2550	102	80-120	
Lead	ug/L	250	255	102	80-120	
Nickel	ug/L	250	258	103	80-120	
Selenium	ug/L	250	253	101	80-120	
Silver	ug/L	25	25.3	101	80-120	
Sodium	mg/L	12.5	12.8	103	80-120	
Vanadium	ug/L	250	253	101	80-120	
Zinc	ug/L	1250	1270	102	80-120	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786082 3786083

Parameter	Units	35602972005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	152	250	250	408	409	102	102	75-125	0	20	
Beryllium	ug/L	0.17 U	25	25	25.0	25.0	100	100	75-125	0	20	
Cadmium	ug/L	0.33 U	25	25	24.5	24.7	98	99	75-125	1	20	
Chromium	ug/L	1.7 U	250	250	255	254	102	101	75-125	0	20	
Cobalt	ug/L	3.2 I	250	250	257	257	102	101	75-125	0	20	
Copper	ug/L	2.6 U	250	250	261	259	104	104	75-125	1	20	
Iron	ug/L	6210	2500	2500	8740	8730	101	101	75-125	0	20	
Lead	ug/L	4.6 U	250	250	248	249	99	99	75-125	0	20	
Nickel	ug/L	2.4 I	250	250	254	254	101	101	75-125	0	20	
Selenium	ug/L	8.5 U	250	250	251	250	100	99	75-125	1	20	
Silver	ug/L	1.0 U	25	25	26.4	26.1	105	104	75-125	1	20	
Sodium	mg/L	132	12.5	12.5	145	144	103	95	75-125	1	20	
Vanadium	ug/L	1.4 I	250	250	259	258	103	103	75-125	0	20	
Zinc	ug/L	11.0 U	1250	1250	1230	1230	99	99	75-125	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 694993
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602972001, 35602972002, 35602972003, 35602972004, 35602972006, 35602972007, 35602972008, 35602972009, 35602972010

METHOD BLANK: 3782754 Matrix: Water
Associated Lab Samples: 35602972001, 35602972002, 35602972003, 35602972004, 35602972006, 35602972007, 35602972008, 35602972009, 35602972010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	01/08/21 09:43	
Arsenic	ug/L	0.50 U	1.0	0.50	01/08/21 09:43	
Thallium	ug/L	0.11 U	1.0	0.11	01/08/21 09:43	

LABORATORY CONTROL SAMPLE: 3782755

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	51.7	103	80-120	
Arsenic	ug/L	50	49.8	100	80-120	
Thallium	ug/L	50	49.1	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3782756 3782757

Parameter	Units	35602632002 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	50.7	49.7	101	99	75-125	2	20	
Arsenic	ug/L	0.52 I	50	50	51.7	51.2	102	101	75-125	1	20	
Thallium	ug/L	0.11 U	50	50	51.6	49.7	103	99	75-125	4	20	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 695544
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602972005

METHOD BLANK: 3786073 Matrix: Water
Associated Lab Samples: 35602972005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	01/12/21 12:26	
Arsenic	ug/L	0.50 U	1.0	0.50	01/12/21 12:26	
Thallium	ug/L	0.11 U	1.0	0.11	01/12/21 12:26	

LABORATORY CONTROL SAMPLE: 3786074

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	50.6	101	80-120	
Arsenic	ug/L	50	49.3	99	80-120	
Thallium	ug/L	50	52.6	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786075 3786076

Parameter	Units	35603028001 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	49.6	49.8	99	99	75-125	0	20	
Arsenic	ug/L	0.53 I	50	50	50.8	50.7	101	100	75-125	0	20	
Thallium	ug/L	0.11 U	50	50	50.9	52.6	102	105	75-125	3	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 695634
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602972009, 35602972010

METHOD BLANK: 3786433 Matrix: Water
Associated Lab Samples: 35602972009, 35602972010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/11/21 11:57	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/11/21 11:57	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/11/21 11:57	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/11/21 11:57	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/11/21 11:57	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/11/21 11:57	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/11/21 11:57	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/11/21 11:57	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	01/11/21 11:57	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/11/21 11:57	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/11/21 11:57	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	01/11/21 11:57	
2-Hexanone	ug/L	3.2 U	25.0	3.2	01/11/21 11:57	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/11/21 11:57	
Acetone	ug/L	5.3 U	25.0	5.3	01/11/21 11:57	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/11/21 11:57	
Benzene	ug/L	0.30 U	1.0	0.30	01/11/21 11:57	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/11/21 11:57	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/11/21 11:57	
Bromoform	ug/L	0.48 U	3.0	0.48	01/11/21 11:57	
Bromomethane	ug/L	8.1 U	10.0	8.1	01/11/21 11:57	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/11/21 11:57	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/11/21 11:57	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/11/21 11:57	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/11/21 11:57	
Chloroform	ug/L	0.32 U	1.0	0.32	01/11/21 11:57	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/11/21 11:57	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/11/21 11:57	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/11/21 11:57	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/11/21 11:57	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/11/21 11:57	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/11/21 11:57	
Iodomethane	ug/L	9.3 U	10.0	9.3	01/11/21 11:57	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	01/11/21 11:57	
Styrene	ug/L	0.26 U	1.0	0.26	01/11/21 11:57	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/11/21 11:57	
Toluene	ug/L	0.33 U	1.0	0.33	01/11/21 11:57	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/11/21 11:57	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/11/21 11:57	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/11/21 11:57	J(v2)

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

METHOD BLANK: 3786433 Matrix: Water
Associated Lab Samples: 35602972009, 35602972010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/11/21 11:57	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	01/11/21 11:57	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/11/21 11:57	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/11/21 11:57	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/11/21 11:57	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130		01/11/21 11:57	
4-Bromofluorobenzene (S)	%	95	70-130		01/11/21 11:57	
Toluene-d8 (S)	%	106	70-130		01/11/21 11:57	

LABORATORY CONTROL SAMPLE: 3786434

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.1	96	70-130	
1,1,1-Trichloroethane	ug/L	20	21.3	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.9	89	68-125	
1,1,2-Trichloroethane	ug/L	20	19.0	95	70-130	
1,1-Dichloroethane	ug/L	20	19.6	98	70-130	
1,1-Dichloroethene	ug/L	20	20.0	100	66-133	
1,2,3-Trichloropropane	ug/L	20	19.0	95	62-127	
1,2-Dichlorobenzene	ug/L	20	17.8	89	70-130	
1,2-Dichloroethane	ug/L	20	23.3	116	70-130	
1,2-Dichloropropane	ug/L	20	19.0	95	70-130	
1,4-Dichlorobenzene	ug/L	20	18.3	92	70-130	
2-Butanone (MEK)	ug/L	100	98.1	98	47-143	
2-Hexanone	ug/L	100	85.5	85	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	87.1	87	57-132	
Acetone	ug/L	100	87.3	87	46-148	
Acrylonitrile	ug/L	100	86.9	87	60-143	
Benzene	ug/L	20	18.9	94	70-130	
Bromochloromethane	ug/L	20	19.8	99	70-130	
Bromodichloromethane	ug/L	20	22.5	113	70-130	
Bromoform	ug/L	20	18.6	93	49-126	
Bromomethane	ug/L	20	10.9	54	10-165	J(v3)
Carbon disulfide	ug/L	20	16.9	85	60-141	
Carbon tetrachloride	ug/L	20	21.6	108	63-126	
Chlorobenzene	ug/L	20	17.7	88	70-130	
Chloroethane	ug/L	20	20.4	102	71-142	
Chloroform	ug/L	20	21.2	106	70-130	
Chloromethane	ug/L	20	17.1	85	40-140	
cis-1,2-Dichloroethene	ug/L	20	20.1	101	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.3	106	70-130	
Dibromochloromethane	ug/L	20	18.8	94	62-118	
Dibromomethane	ug/L	20	20.3	101	70-130	
Ethylbenzene	ug/L	20	17.4	87	70-130	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

LABORATORY CONTROL SAMPLE: 3786434

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	10.1	51	10-164	J(v3)
Methylene Chloride	ug/L	20	21.1	105	65-136	
Styrene	ug/L	20	17.9	90	70-130	
Tetrachloroethene	ug/L	20	17.1	85	64-134	
Toluene	ug/L	20	16.5	82	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.6	88	68-127	
trans-1,3-Dichloropropene	ug/L	20	19.1	96	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	15.9	79	42-129	J(v3)
Trichloroethene	ug/L	20	19.3	96	70-130	
Trichlorofluoromethane	ug/L	20	26.6	133	65-135	
Vinyl acetate	ug/L	20	21.1	106	60-144	
Vinyl chloride	ug/L	20	18.2	91	68-131	
Xylene (Total)	ug/L	60	52.7	88	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			105	70-130	

MATRIX SPIKE SAMPLE: 3786445

Parameter	Units	35603466011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	19.7	98	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	24.1	120	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	18.7	93	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	19.8	99	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	21.4	107	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	22.9	114	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	20.2	101	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	18.5	93	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	24.8	124	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	20.3	101	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	18.7	94	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	95.0	95	47-143	
2-Hexanone	ug/L	3.2 U	100	89.3	89	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	89.6	90	57-132	
Acetone	ug/L	5.3 U	100	96.5	96	46-148	
Acrylonitrile	ug/L	3.7 U	100	85.9	86	60-143	
Benzene	ug/L	0.30 U	20	20.8	104	70-130	
Bromochloromethane	ug/L	0.37 U	20	20.9	105	70-130	
Bromodichloromethane	ug/L	0.19 U	20	24.9	124	70-130	
Bromoform	ug/L	0.48 U	20	18.2	91	49-126	
Bromomethane	ug/L	8.1 U	20	13.5	67	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	19.0	95	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	25.5	128	63-126	J(M1)
Chlorobenzene	ug/L	0.35 U	20	18.9	95	70-130	
Chloroethane	ug/L	3.7 U	20	22.2	111	71-142	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

MATRIX SPIKE SAMPLE: 3786445

Parameter	Units	35603466011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	23.6	118	70-130	
Chloromethane	ug/L	0.43 U	20	19.6	98	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	21.4	107	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	19.2	96	70-130	
Dibromochloromethane	ug/L	0.45 U	20	19.0	95	62-118	
Dibromomethane	ug/L	0.68 U	20	22.3	112	70-130	
Ethylbenzene	ug/L	0.30 U	20	18.4	92	70-130	
Iodomethane	ug/L	9.3 U	20	15.8	79	10-164	J(v3)
Methylene Chloride	ug/L	4.4 U	20	22.2	111	65-136	
Styrene	ug/L	0.26 U	20	18.5	93	70-130	
Tetrachloroethene	ug/L	22.4	20	37.5	76	64-134	
Toluene	ug/L	0.33 U	20	17.7	89	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	19.8	99	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	19.0	95	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	17.2	86	42-129	J(v3)
Trichloroethene	ug/L	31.9	20	49.2	87	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	28.3	142	65-135	J(M1)
Vinyl acetate	ug/L	1.8 U	20	20.8	104	60-144	
Vinyl chloride	ug/L	0.39 U	20	21.4	107	68-131	
Xylene (Total)	ug/L	2.1 U	60	55.0	92	70-130	
1,2-Dichlorobenzene-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				104	70-130	

SAMPLE DUPLICATE: 3786444

Parameter	Units	35603466010 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-Dichloroethane	ug/L	0.27 U	0.27 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	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

SAMPLE DUPLICATE: 3786444

Parameter	Units	35603466010 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	8.1 U	8.1 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	0.32 U	0.51 I		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	
cis-1,2-Dichloroethene	ug/L	18.3	17.5	5	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	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 U		40	
Styrene	ug/L	0.26 U	0.26 U		40	
Tetrachloroethene	ug/L	139	141	1	40	
Toluene	ug/L	0.33 U	0.33 U		40	
trans-1,2-Dichloroethene	ug/L	0.23 U	0.24 I		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	539	508	6	40	L
Trichlorofluoromethane	ug/L	0.35 U	0.35 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	102			
4-Bromofluorobenzene (S)	%	93	95		40	
Toluene-d8 (S)	%	104	103		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 695649
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602972001, 35602972002, 35602972003, 35602972004, 35602972005, 35602972006, 35602972007, 35602972008, 35602972011

METHOD BLANK: 3786486
Matrix: Water
Associated Lab Samples: 35602972001, 35602972002, 35602972003, 35602972004, 35602972005, 35602972006, 35602972007, 35602972008, 35602972011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/11/21 12:27	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/11/21 12:27	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/11/21 12:27	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/11/21 12:27	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/11/21 12:27	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/11/21 12:27	J(v1)
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/11/21 12:27	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	5.0	1.9	01/11/21 12:27	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	1.0	0.31	01/11/21 12:27	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/11/21 12:27	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	01/11/21 12:27	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/11/21 12:27	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/11/21 12:27	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	01/11/21 12:27	
2-Hexanone	ug/L	3.2 U	25.0	3.2	01/11/21 12:27	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/11/21 12:27	
Acetone	ug/L	5.3 U	25.0	5.3	01/11/21 12:27	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/11/21 12:27	
Benzene	ug/L	0.30 U	1.0	0.30	01/11/21 12:27	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/11/21 12:27	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/11/21 12:27	
Bromoform	ug/L	0.48 U	3.0	0.48	01/11/21 12:27	
Bromomethane	ug/L	8.1 U	10.0	8.1	01/11/21 12:27	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/11/21 12:27	J(v2)
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/11/21 12:27	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/11/21 12:27	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/11/21 12:27	
Chloroform	ug/L	0.32 U	1.0	0.32	01/11/21 12:27	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/11/21 12:27	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/11/21 12:27	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/11/21 12:27	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/11/21 12:27	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/11/21 12:27	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/11/21 12:27	
Iodomethane	ug/L	9.3 U	10.0	9.3	01/11/21 12:27	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	01/11/21 12:27	
Styrene	ug/L	0.26 U	1.0	0.26	01/11/21 12:27	J(v2)
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/11/21 12:27	J(v2)
Toluene	ug/L	0.33 U	1.0	0.33	01/11/21 12:27	J(v2)

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

METHOD BLANK: 3786486 Matrix: Water

Associated Lab Samples: 35602972001, 35602972002, 35602972003, 35602972004, 35602972005, 35602972006, 35602972007, 35602972008, 35602972011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/11/21 12:27	J(v2)
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/11/21 12:27	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/11/21 12:27	
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/11/21 12:27	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	01/11/21 12:27	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/11/21 12:27	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/11/21 12:27	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/11/21 12:27	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130		01/11/21 12:27	
4-Bromofluorobenzene (S)	%	100	70-130		01/11/21 12:27	
Toluene-d8 (S)	%	103	70-130		01/11/21 12:27	

LABORATORY CONTROL SAMPLE: 3786487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.5	87	70-130	
1,1,1-Trichloroethane	ug/L	20	17.3	87	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.4	92	68-125	
1,1,2-Trichloroethane	ug/L	20	18.3	91	70-130	
1,1-Dichloroethane	ug/L	20	17.1	86	70-130	
1,1-Dichloroethene	ug/L	20	15.2	76	66-133	J(v1)
1,2,3-Trichloropropane	ug/L	20	18.5	93	62-127	
1,2-Dibromo-3-chloropropane	ug/L	20	19.2	96	45-137	
1,2-Dibromoethane (EDB)	ug/L	20	17.6	88	70-130	
1,2-Dichlorobenzene	ug/L	20	17.2	86	70-130	
1,2-Dichloroethane	ug/L	20	18.9	94	70-130	
1,2-Dichloropropane	ug/L	20	19.5	98	70-130	
1,4-Dichlorobenzene	ug/L	20	16.8	84	70-130	
2-Butanone (MEK)	ug/L	100	103	103	47-143	
2-Hexanone	ug/L	100	95.3	95	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.3	99	57-132	
Acetone	ug/L	100	105	105	46-148	
Acrylonitrile	ug/L	100	99.6	100	60-143	
Benzene	ug/L	20	18.8	94	70-130	
Bromochloromethane	ug/L	20	18.9	94	70-130	
Bromodichloromethane	ug/L	20	20.2	101	70-130	
Bromoform	ug/L	20	21.7	108	49-126	
Bromomethane	ug/L	20	15.7	79	10-165	J(v3)
Carbon disulfide	ug/L	20	15.0	75	60-141	J(v3)
Carbon tetrachloride	ug/L	20	17.6	88	63-126	
Chlorobenzene	ug/L	20	17.0	85	70-130	
Chloroethane	ug/L	20	20.1	101	71-142	
Chloroform	ug/L	20	17.8	89	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

LABORATORY CONTROL SAMPLE: 3786487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	20	20.7	103	40-140	
cis-1,2-Dichloroethene	ug/L	20	17.8	89	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.4	102	70-130	
Dibromochloromethane	ug/L	20	18.2	91	62-118	
Dibromomethane	ug/L	20	19.5	97	70-130	
Ethylbenzene	ug/L	20	16.6	83	70-130	
Iodomethane	ug/L	20	14.0	70	10-164	J(v3)
Methylene Chloride	ug/L	20	20.5	102	65-136	
Styrene	ug/L	20	15.8	79	70-130	J(v3)
Tetrachloroethene	ug/L	20	15.9	80	64-134	J(v3)
Toluene	ug/L	20	15.9	79	70-130	J(v3)
trans-1,2-Dichloroethene	ug/L	20	15.9	79	68-127	J(v3)
trans-1,3-Dichloropropene	ug/L	20	19.8	99	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	16.6	83	42-129	
Trichloroethene	ug/L	20	18.3	92	70-130	
Trichlorofluoromethane	ug/L	20	18.5	93	65-135	
Vinyl acetate	ug/L	20	16.3	82	60-144	
Vinyl chloride	ug/L	20	18.5	92	68-131	
Xylene (Total)	ug/L	60	50.1	84	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			106	70-130	

MATRIX SPIKE SAMPLE: 3786536

Parameter	Units	35602632002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	20.0	100	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	21.8	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	19.9	99	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	20.3	102	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	15.7	78	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	18.6	93	66-133	J(v1)
1,2,3-Trichloropropane	ug/L	0.53 U	20	20.0	100	62-127	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	20	19.5	98	45-137	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	20	19.5	97	70-130	
1,2-Dichlorobenzene	ug/L	0.60 U	20	19.2	96	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	21.3	106	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	22.6	113	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	18.6	93	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	106	106	47-143	
2-Hexanone	ug/L	3.2 U	100	97.9	98	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	102	102	57-132	
Acetone	ug/L	5.3 U	100	74.8	71	46-148	
Acrylonitrile	ug/L	3.7 U	100	67.1	67	60-143	
Benzene	ug/L	0.30 U	20	22.6	113	70-130	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

MATRIX SPIKE SAMPLE: 3786536

Parameter	Units	35602632002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromochloromethane	ug/L	0.37 U	20	18.0	90	70-130	
Bromodichloromethane	ug/L	0.19 U	20	22.3	112	70-130	
Bromoform	ug/L	0.48 U	20	23.6	118	49-126	
Bromomethane	ug/L	8.1 U	20	16.3	82	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	18.4	92	60-141	J(v3)
Carbon tetrachloride	ug/L	0.44 U	20	22.7	113	63-126	
Chlorobenzene	ug/L	0.35 U	20	19.6	98	70-130	
Chloroethane	ug/L	3.7 U	20	22.4	112	71-142	
Chloroform	ug/L	0.32 U	20	17.2	86	70-130	
Chloromethane	ug/L	0.43 U	20	22.7	114	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	16.3	81	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	20.3	102	70-130	
Dibromochloromethane	ug/L	0.45 U	20	20.0	100	62-118	
Dibromomethane	ug/L	0.68 U	20	21.3	107	70-130	
Ethylbenzene	ug/L	0.30 U	20	19.6	98	70-130	
Iodomethane	ug/L	9.3 U	20	17.6	88	10-164	J(v3)
Methylene Chloride	ug/L	4.4 U	20	20.3	102	65-136	
Styrene	ug/L	0.26 U	20	18.3	92	70-130	J(v3)
Tetrachloroethene	ug/L	0.38 U	20	18.1	91	64-134	J(v3)
Toluene	ug/L	0.33 U	20	18.6	93	70-130	J(v3)
trans-1,2-Dichloroethene	ug/L	0.23 U	20	14.3	71	68-127	J(v3)
trans-1,3-Dichloropropene	ug/L	0.37 U	20	21.7	108	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	16.3	81	42-129	
Trichloroethene	ug/L	0.36 U	20	22.0	110	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	20.7	104	65-135	
Vinyl acetate	ug/L	1.8 U	20	16.0	80	60-144	
Vinyl chloride	ug/L	0.39 U	20	21.3	107	68-131	
Xylene (Total)	ug/L	2.1 U	60	58.6	98	70-130	
1,2-Dichlorobenzene-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				104	70-130	

SAMPLE DUPLICATE: 3786535

Parameter	Units	35603181001 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-Dibromo-3-chloropropane	ug/L	1.9 U	1.9 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	0.31 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

SAMPLE DUPLICATE: 3786535

Parameter	Units	35603181001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.50 I	0.51 I		40	
2-Butanone (MEK)	ug/L	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	
Benzene	ug/L	6.7	6.8	2	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	8.1 U	8.1 U		40	J(v2)
Carbon disulfide	ug/L	1.8 U	1.8 U		40	J(v2)
Carbon tetrachloride	ug/L	0.44 U	0.44 U		40	
Chlorobenzene	ug/L	7.8	7.8	1	40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.32 U	0.32 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	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 U		40	
Styrene	ug/L	0.26 U	0.26 U		40	J(v2)
Tetrachloroethene	ug/L	0.38 U	0.38 U		40	J(v2)
Toluene	ug/L	0.36 I	0.34 I		40	J(v2)
trans-1,2-Dichloroethene	ug/L	0.23 U	0.23 U		40	J(v2)
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	0.35 U	0.35 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)	%	104	105			
4-Bromofluorobenzene (S)	%	101	102		40	
Toluene-d8 (S)	%	128	98		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 695150
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602972001, 35602972002, 35602972003, 35602972004, 35602972005, 35602972006, 35602972007, 35602972008, 35602972009, 35602972010

METHOD BLANK: 3783696 Matrix: Water
Associated Lab Samples: 35602972001, 35602972002, 35602972003, 35602972004, 35602972005, 35602972006, 35602972007, 35602972008, 35602972009, 35602972010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	01/11/21 18:40	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	01/11/21 18:40	

LABORATORY CONTROL SAMPLE: 3783697

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.16	66	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.16	62	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3783698 3783699

Parameter	Units	35603030005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0062 U	0.44	0.44	0.59	0.57	135	131	60-140	3	40	
1,2-Dibromoethane (EDB)	ug/L	0.0073 U	0.44	0.44	0.45	0.43	102	98	60-140	4	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 695679
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35602972001, 35602972002, 35602972003, 35602972004, 35602972005, 35602972006, 35602972007, 35602972008, 35602972009, 35602972010

METHOD BLANK: 3786643 Matrix: Water
Associated Lab Samples: 35602972001, 35602972002, 35602972003, 35602972004, 35602972005, 35602972006, 35602972007, 35602972008, 35602972009, 35602972010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	01/11/21 14:12	

LABORATORY CONTROL SAMPLE: 3786644

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	313	104	90-110	

SAMPLE DUPLICATE: 3786645

Parameter	Units	35603095003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	87.0	88.0	1	10	

SAMPLE DUPLICATE: 3786646

Parameter	Units	35602972004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1430	1450	1	10	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 697361 | 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: 35602972001, 35602972002, 35602972003, 35602972004, 35602972005, 35602972006, 35602972007, 35602972008

METHOD BLANK: 3796957 Matrix: Water
Associated Lab Samples: 35602972001, 35602972002, 35602972003, 35602972004, 35602972005, 35602972006, 35602972007, 35602972008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	01/17/21 14:48	

LABORATORY CONTROL SAMPLE: 3796958

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.2	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3796959 3796960

Parameter	Units	35602833004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	5.4	50	50	56.8	55.9	103	101	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3796961 3796962

Parameter	Units	35602838006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	8.2	50	50	59.4	55.2	102	94	90-110	7	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 697362
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: 35602972009, 35602972010

METHOD BLANK: 3796963 Matrix: Water
Associated Lab Samples: 35602972009, 35602972010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	01/18/21 01:48	

LABORATORY CONTROL SAMPLE: 3796964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.3	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3796965 3796966

Parameter	Units	35602972009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	20.5	50	50	72.8	72.3	105	104	90-110	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 695076
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: 35602972001, 35602972002

METHOD BLANK: 3783210 Matrix: Water
Associated Lab Samples: 35602972001, 35602972002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	01/08/21 12:51	

LABORATORY CONTROL SAMPLE: 3783211

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: 3783213 3783212

Parameter	Units	35603036003 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	6.6	1	1	7.6	7.6	97	100	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3783214 3783215

Parameter	Units	35602653002 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	12.1	1	1	12.9	13.0	89	93	90-110	0	20	J(M1)

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 695896
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: 35602972003

METHOD BLANK: 3788016 Matrix: Water
Associated Lab Samples: 35602972003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	01/12/21 12:37	

LABORATORY CONTROL SAMPLE: 3788017

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: 3788019 3788018

Parameter	Units	35603390006 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	0.11	1	1	1.2	1.2	106	106	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3788020 3788021

Parameter	Units	35603739007 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	13.1	1	1	14.0	14.0	85	88	90-110	0	20	J(M1)

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 695979
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: 35602972004, 35602972005, 35602972006, 35602972007, 35602972008, 35602972009, 35602972010

METHOD BLANK: 3788248 Matrix: Water
Associated Lab Samples: 35602972004, 35602972005, 35602972006, 35602972007, 35602972008, 35602972009, 35602972010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	01/12/21 13:56	

LABORATORY CONTROL SAMPLE: 3788249

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3788251 3788250

Parameter	Units	35602972004 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	0.35	1	1	1.4	1.4	104	103	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3788252 3788253

Parameter	Units	35603028001 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	7.6	1	1	8.5	8.5	95	93	90-110	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 695059
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: 35602972001, 35602972002

METHOD BLANK: 3783144 Matrix: Water
Associated Lab Samples: 35602972001, 35602972002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/08/21 10:34	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 695061
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: 35602972003

METHOD BLANK: 3783150 Matrix: Water
Associated Lab Samples: 35602972003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/08/21 11:12	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 695122
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: 35602972004, 35602972005, 35602972006, 35602972007

METHOD BLANK: 3783582 Matrix: Water
Associated Lab Samples: 35602972004, 35602972005, 35602972006, 35602972007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/08/21 12:57	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

QC Batch: 695222
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: 35602972008, 35602972009, 35602972010

METHOD BLANK: 3784238 Matrix: Water
Associated Lab Samples: 35602972008, 35602972009, 35602972010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/08/21 17:47	

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QUALIFIERS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

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.

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.
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: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35602972002	**B35-1**				
35602972003	**B35-2**				
35602972004	**B36**				
35602972005	**B36 Dup**				
35602972006	**B40-1**				
35602972007	**B40-2**				
35602972008	**B65**				
35602972009	**B41-2**				
35602972010	**B1-B**				
35602972001	**EQ Blank 1/7/21**	EPA 8011	695150	EPA 8011	695288
35602972002	**B35-1**	EPA 8011	695150	EPA 8011	695288
35602972003	**B35-2**	EPA 8011	695150	EPA 8011	695288
35602972004	**B36**	EPA 8011	695150	EPA 8011	695288
35602972005	**B36 Dup**	EPA 8011	695150	EPA 8011	695288
35602972006	**B40-1**	EPA 8011	695150	EPA 8011	695288
35602972007	**B40-2**	EPA 8011	695150	EPA 8011	695288
35602972008	**B65**	EPA 8011	695150	EPA 8011	695288
35602972009	**B41-2**	EPA 8011	695150	EPA 8011	695288
35602972010	**B1-B**	EPA 8011	695150	EPA 8011	695288
35602972001	**EQ Blank 1/7/21**	EPA 3010	694994	EPA 6010	694999
35602972002	**B35-1**	EPA 3010	694994	EPA 6010	694999
35602972003	**B35-2**	EPA 3010	694994	EPA 6010	694999
35602972004	**B36**	EPA 3010	694994	EPA 6010	694999
35602972005	**B36 Dup**	EPA 3010	695545	EPA 6010	695562
35602972006	**B40-1**	EPA 3010	694994	EPA 6010	694999
35602972007	**B40-2**	EPA 3010	694994	EPA 6010	694999
35602972008	**B65**	EPA 3010	694994	EPA 6010	694999
35602972009	**B41-2**	EPA 3010	694994	EPA 6010	694999
35602972010	**B1-B**	EPA 3010	694994	EPA 6010	694999
35602972001	**EQ Blank 1/7/21**	EPA 3010	694993	EPA 6020	694998
35602972002	**B35-1**	EPA 3010	694993	EPA 6020	694998
35602972003	**B35-2**	EPA 3010	694993	EPA 6020	694998
35602972004	**B36**	EPA 3010	694993	EPA 6020	694998
35602972005	**B36 Dup**	EPA 3010	695544	EPA 6020	695626
35602972006	**B40-1**	EPA 3010	694993	EPA 6020	694998
35602972007	**B40-2**	EPA 3010	694993	EPA 6020	694998
35602972008	**B65**	EPA 3010	694993	EPA 6020	694998
35602972009	**B41-2**	EPA 3010	694993	EPA 6020	694998
35602972010	**B1-B**	EPA 3010	694993	EPA 6020	694998
35602972001	**EQ Blank 1/7/21**	EPA 7470	695090	EPA 7470	695216
35602972002	**B35-1**	EPA 7470	695618	EPA 7470	695715
35602972003	**B35-2**	EPA 7470	695618	EPA 7470	695715
35602972004	**B36**	EPA 7470	695618	EPA 7470	695715
35602972005	**B36 Dup**	EPA 7470	695618	EPA 7470	695715

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35602972006	**B40-1**	EPA 7470	695618	EPA 7470	695715
35602972007	**B40-2**	EPA 7470	695618	EPA 7470	695715
35602972008	**B65**	EPA 7470	695618	EPA 7470	695715
35602972009	**B41-2**	EPA 7470	695618	EPA 7470	695715
35602972010	**B1-B**	EPA 7470	695618	EPA 7470	695715
35602972001	**EQ Blank 1/7/21**	EPA 8260	695649		
35602972002	**B35-1**	EPA 8260	695649		
35602972003	**B35-2**	EPA 8260	695649		
35602972004	**B36**	EPA 8260	695649		
35602972005	**B36 Dup**	EPA 8260	695649		
35602972006	**B40-1**	EPA 8260	695649		
35602972007	**B40-2**	EPA 8260	695649		
35602972008	**B65**	EPA 8260	695649		
35602972009	**B41-2**	EPA 8260	695634		
35602972010	**B1-B**	EPA 8260	695634		
35602972011	**TRIP BLANK 1/7/21**	EPA 8260	695649		
35602972001	**EQ Blank 1/7/21**	SM 2540C	695679		
35602972002	**B35-1**	SM 2540C	695679		
35602972003	**B35-2**	SM 2540C	695679		
35602972004	**B36**	SM 2540C	695679		
35602972005	**B36 Dup**	SM 2540C	695679		
35602972006	**B40-1**	SM 2540C	695679		
35602972007	**B40-2**	SM 2540C	695679		
35602972008	**B65**	SM 2540C	695679		
35602972009	**B41-2**	SM 2540C	695679		
35602972010	**B1-B**	SM 2540C	695679		
35602972001	**EQ Blank 1/7/21**	EPA 300.0	697361		
35602972002	**B35-1**	EPA 300.0	697361		
35602972003	**B35-2**	EPA 300.0	697361		
35602972004	**B36**	EPA 300.0	697361		
35602972005	**B36 Dup**	EPA 300.0	697361		
35602972006	**B40-1**	EPA 300.0	697361		
35602972007	**B40-2**	EPA 300.0	697361		
35602972008	**B65**	EPA 300.0	697361		
35602972009	**B41-2**	EPA 300.0	697362		
35602972010	**B1-B**	EPA 300.0	697362		
35602972001	**EQ Blank 1/7/21**	EPA 350.1	695076		
35602972002	**B35-1**	EPA 350.1	695076		
35602972003	**B35-2**	EPA 350.1	695896		
35602972004	**B36**	EPA 350.1	695979		
35602972005	**B36 Dup**	EPA 350.1	695979		
35602972006	**B40-1**	EPA 350.1	695979		
35602972007	**B40-2**	EPA 350.1	695979		
35602972008	**B65**	EPA 350.1	695979		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35602972

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35602972009	**B41-2**	EPA 350.1	695979		
35602972010	**B1-B**	EPA 350.1	695979		
35602972001	**EQ Blank 1/7/21**	EPA 353.2	695059		
35602972002	**B35-1**	EPA 353.2	695059		
35602972003	**B35-2**	EPA 353.2	695061		
35602972004	**B36**	EPA 353.2	695122		
35602972005	**B36 Dup**	EPA 353.2	695122		
35602972006	**B40-1**	EPA 353.2	695122		
35602972007	**B40-2**	EPA 353.2	695122		
35602972008	**B65**	EPA 353.2	695222		
35602972009	**B41-2**	EPA 353.2	695222		
35602972010	**B1-B**	EPA 353.2	695222		

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WO# : 35602972

35602972

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company:	Volusia County Solid Waste Management
Address:	1990 Tomoka Farms Road
	Port Orange, FL 32128
Email:	jstirk@volusia.org
Phone:	(386)947-2952 Fax:
Requested Due Date:	

Section B
Required Project Information:

Report To:	Jennifer Stirk
Copy To:	
Purchase Order #:	
Project Name:	Tomoka LF Semi-annual MWs
Project #:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	jeff.baylor@pacelabs.com,
Pace Profile #:	1590, Line 1

Regulatory Agency

State / Location

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analyses Test: TDS, NO3, Cl	ammonia	Metals by 6010/6020/Hg	EDB 8011	8260 VOCs Full List	Trip Blank DO NOT OPEN -	Residual Chlorine (Y/N)
1	EQ					1-7-21	0910												✓	✓	✓	✓	✓		
2	B 35-1						1000																		
3	B 35-2						1024																		
4	B 36						1125																		
5	Duplicate						1125																		
6	B 40-1						1232																		
7	B 40-2						1313																		
8	B 65						1445																		
9	B 41-2						1515																		
10	B 18						1605																		
11	TRIP BLANK						0000																	✓	
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Empty Bottles	RP Bottle Prep	11/9/20	1006							
	[signature] PACE	1-7-21	1645	IRI PACE	1/7/21	1645	99	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: DAVID PACE

SIGNATURE of SAMPLER: [signature] DATE Signed: 1-7-21

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form Document No.:	Document Revised: May 30, 2018 Issuing Authority: Pace Florida Quality Office

WO#: 35602972
PM: JSB
CLIENT: VOLDPW
Due Date: 01/21/21

(CUR)

Project #
Project Manager:
Client:

Date and Initials of person:
Examining contents:
Label:
Deliver: IRL
pH:

Thermometer Used: T-337 Date: 1/7/21 Time: 1639 Initials: KMF

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

Cooler #1 Temp.°C	9.9	(Visual)	0.0	(Correction Factor)	9.9	(Actual) ☒ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	3.4	(Visual)	0.0	(Correction Factor)	3.4	(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

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

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

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

Tracking #

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No **Seals intact:** ☐ Yes ☐ No **Ice:** (Wet) Blue Dry None

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

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

		Comments:
Chain of Custody Present	☒ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☒ Yes ☐ No ☐ N/A	No Matrix TMA
Relinquished Signature & Sampler Name COC	☒ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☒ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☒ No ☐ N/A	
Sufficient Volume	☒ Yes ☐ No ☐ N/A	
Correct Containers Used	☒ Yes ☐ No ☐ N/A	
Containers Intact	☒ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked. All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☒ Yes ☐ No ☐ N/A ☐ Yes ☒ No ☐ N/A	pH 3.0 #5 Preservation Information: 1mL Preservative: HNO3 Lot #/Trace #: 191797 Date: 1/7/21 Time: 1701 Initials: IRL
Headspace in VOA Vials? (>6mm):	☐ Yes ☒ No ☐ N/A	
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	(2)

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments): DP3N sample #5 arrived out of pH (4.0). Sample preserved.

Project Manager Review: Date:

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi Annual MW
WELL NO: EQ	SAMPLE ID: EQ
	DATE: 1-7-21

PURGING DATA

WELL DIAMETER (inches):	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)

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

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

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

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

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

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAVID ICG/PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0910	SAMPLING ENDED AT:
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)
	1	PE	1000	ICE			TDS, NO3, Cl	APP	<400
	1	/	250	H_2SO_4			6020 Cose Mo	/	/
	1		1	H_2SO_4			NH3		
	2	CG	40	ICE			EDB 8011		
	3	1	1	HCL			DCO Full List		

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:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Sect Annual MW's
WELL NO:	B 35-1	SAMPLE ID:	B 35-1
		DATE:	1-7-21

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	0.8	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (6.8 feet – 0.8 feet) X 0.16 gallons/foot = 5.3008 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	3	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	3	PURGING INITIATED AT:	0924	PURGING ENDED AT:	1000	TOTAL VOLUME PURGED (gallons):	8.28 ~~16.04~~

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)
0948	5.52	5.52	.23	2.78	6.01	22.0	294.4	1.07	3.13	Yellow	SULFUR
0954	1.38	6.9	.23	2.78	6.01	22.0	296.0	0.74	4.33	〃	〃
1000	1.38	8.28	.23	2.78	6.01	22.0	298.2	0.57	3.69	〃	〃

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:	DAVID IGE / PACE	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	1000	SAMPLING ENDED AT:	1004
PUMP OR TUBING DEPTH IN WELL (feet):	3	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)
	1	PE	1000	ICE		6.01	TDS, NO3, Cl	APP	400
	1	1	250	H_2SO_4		<2	6010 6020 Hg	〃	〃
	1	1	1	H_2SO_4		<2	NH_3	〃	〃
	2	CG	40	ICE		6.01	EDB 8011	〃	〃
	3	1	1	HCl		<2	8260 Full List	〃	〃

REMARKS: ORP -150.1 ORP -149.6 ORP -149.4

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:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Stmi Annual MWs
WELL NO:	B 35-2	SAMPLE ID:	B 35-2
DATE:	1-7-21		

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		0.8	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (17.47 feet – 0.8 feet) X 0.16 gallons/foot = 2.6672 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):
3	3	1006	1024	4.32

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1018	2.88	2.88	.24	2.59	5.41	20.4	487.5	0.66	2.60	Yellow	Sulfur
1021	0.72	3.60	.24	2.59	5.42	20.4	486.5	0.59	6.32		
1024	0.72	4.32	.24	2.59	5.41	20.4	486.8	0.57	2.29	/	/

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
DAVID ICE / PACE		1024	1028

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
3	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)
	1	PE	1000	ICE		5.41	TDS, NO3, Cl	APP	.2400
	1	/	250	H_2SO_4		<2	6010 6020 Hg	/	/
	1	/	/	H_2SO_4		<2	NH3	/	/
	2	CG	40	ICE		5.41	EPA 8011	/	/
	3	/	/	HCl		<2	8260 Hitlist	/	/

REMARKS: ORP 427.3 ORP -130.0 ORP -131.1

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

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

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

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

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:	Volusia County Solid WASTE	SITE LOCATION:	Tomoka LF Semi Annual MW's
WELL NO:	B 36	SAMPLE ID:	B 36 / Duplicate
		DATE:	1-7-21

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet		STATIC DEPTH TO WATER (feet):	1.28	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)
= (34.20 feet – 1.28 feet) X 0.16 gallons/foot = 5.2622 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	7	PURGING INITIATED AT:	1052	PURGING ENDED AT:	1125	TOTAL VOLUME PURGED (gallons):	8.58

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)
1113	5.46	5.46	.26	5.31	6.58	22.3	2060	0.30	4.32	Yellow	Sulfur
1119	1.56	7.02	.26	5.31	6.57	22.4	2057	0.26	2.38	/	/
1125	1.56	8.58	.26	5.31	6.58	22.4	2074	0.23	1.75	/	/

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:	DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	1125	SAMPLING ENDED AT:	1129
PUMP OR TUBING DEPTH IN WELL (feet):	7	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)
	1	PE	1000	ICE		6.58	TDS, NO3, Cl	APP	200
	1	1	250	HNO3		<2	6010 6020 Hg	/	/
	1	/	/	H2SO4		<2	NH3	/	/
	2	CG	40	ICE		6.58	EDB 8011	/	/
	3	1	1	HCl		<2	8260 Full List	/	/

REMARKS: ORP -131.5 ORP -132.3 ORP -133.0

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:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Semi Annual MW's	
WELL NO:	B 40-1	SAMPLE ID:	B 40-1	DATE: 1-7-21

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		4.93	PP

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

= (29.60 feet – 4.93 feet) X 0.16 gallons/foot = 3.9472 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):
10	10	1202	1237	6.30

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)
1231	4.06	4.06	.14	9.75	5.68	22.0	740	1.37	1.92	Yellow	sulfur
1234	1.12	5.18	.14	9.75	5.69	22.0	746	0.56	2.92	/	/
1237	1.12	6.30	.14	9.75	5.66	22.1	745	0.34	2.05	/	/

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:
OBWO ICE / PACE		1237	1241

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
10	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)
	1	PE	1000	ICE		5.66	TDS, NO3, Cl	APP	400
	1	/	250	H2SO4		<2	COD, TOC, Hg	/	/
	1	/	/	H2SO4		<2	NH3	/	/
	2	CG	40	ICE		5.66	EDB, 8011	/	/
	3	/	/	HCl		<2	8260 FULL LIST	/	/

REMARKS: ORP -118.1 ORP -127.6 ORP -130.1

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

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

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

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

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

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:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Stmi Bunnpl Mw's
WELL NO:	B 40-2	SAMPLE ID:	B 40-2
DATE:	1-7-21		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	3.49	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)

= (17.43 feet – 3.48 feet) X 0.16 gallons/foot = 2.2304 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	5	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	5	PURGING INITIATED AT:	1255	PURGING ENDED AT:	1313	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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1307	2.4	2.4	.20	4.24	6.07	20.0	491.1	0.20	2.83	Yellow	Sulfur
1310	0.6	3.0	.20	4.24	6.09	20.0	494.4	0.18	3.30		
1313	0.6	3.6	.20	4.24	6.09	20.0	495.7	0.19	2.86	/	/

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:	DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	1313	SAMPLING ENDED AT:	1317
PUMP OR TUBING DEPTH IN WELL (feet):	5	TUBING MATERIAL CODE:	HDPE, T	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)
	1	PE	1000	ICE		6.09	TDS, NO3, Cl	APP	400
	1	1	250	HNO_3		<2	6010 6020 Hg	/	/
	1	1	1	H_2SO_4		<2	NH3		
	2	CG	40	ICE		6.09	8011 EDB		
	3	1	1	HCl		<2	8260 Full List		

REMARKS: ORP -124.3 ORP ~~-128.4~~ -128.4 ORP -107.2

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)

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi Annual MW's	
WELL NO: BG5	SAMPLE ID: BG5	DATE: 1-7-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 3.22	PURGE PUMP TYPE OR BAILER: PP

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

= (17.60 feet – 3.22 feet) X 0.16 gallons/foot = 2.2208 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5	PURGING INITIATED AT: 1428	PURGING ENDED AT: 1445	TOTAL VOLUME PURGED (gallons): 3.52

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)
1439	2.31	2.31	.21	3.84	6.06	20.4	610	0.35	1.37	Yellow	Sulfur
1442	0.63	2.94	.21	3.84	6.02	20.3	615	0.28	2.09	"	"
1445	0.63	3.57	.21	3.84	6.03	20.3	612	0.26	2.16	"	"

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: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1445	SAMPLING ENDED AT: 1449
PUMP OR TUBING DEPTH IN WELL (feet): 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)
	1	PE	1000	ICE		6.03	TDS, NO3, Cl	APP	≤400
	1	1	250	H2SO4		<2	6010 6020 Hg	1	1
	1	1	1	H2SO4		<2	NH3		
	2	CG	40	ICE		6.03	EDB 8011		
	3	1	1	HCl		<2	8260 Full List		

REMARKS: ORP -126.5 ORP -127.9 ORP -128.3

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:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Semi Annual Mar
WELL NO:	B41-2	SAMPLE ID:	B41-2
		DATE:	1-7-21

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		5.05	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (17.83 feet – 5.05 feet) X 0.16 gallons/foot = 2.0448 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
6	6	1503	1519	352

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)
1513	2.2	2.2	.22	5.12	6.59	20.2	518.2	0.27	1.22	Yellow	Sulfur
1516	0.66	2.86	.22	5.12	6.58	20.2	522.0	6.21	2.34	/	/
1518	0.66	3.52	.22	5.12	6.59	20.2	521.2	0.20	1.80	/	/

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:
Travis ICL/PACE		1519	1523

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
6	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)
	1	PE	1000	ICE		6.59	TDS, NO3, Cl	APP	<400
	1	/	250	HNO3		<2	6010, 6020, Hg	/	/
	1		1	H2SO4		<2	NH3	/	/
	2	CG	40	ICE		6.59	EOB 8011	/	/
	3	1	1	HCl		<2	8260 Full List	/	/

REMARKS: ORP -133.8 ORP -134.9 ORP -135.3

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Stat Arwood	
WELL NO: B1B	SAMPLE ID: B1B	DATE: 1-7-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.62	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)
= (35.85 feet – 6.67 feet) x 0.16 gallons/foot = 4.6688 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8	PURGING INITIATED AT: 1530	PURGING ENDED AT: 1605	TOTAL VOLUME PURGED (gallons): 7.35

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)
1553											
~~1603~~	4.83	4.83	.21	6.94	6.55	23.0	1144	0.24	4.66	Yellow	Sulfur
~~1609~~ 1559	1.26	6.09	.21	6.94	6.54	23.0	1166	0.26	3.93	/	/
~~1615~~	1.26	7.35	.21	6.94	6.54	23.0	1168	0.21	5.82	/	/
1605											

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: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1605	SAMPLING ENDED AT: 1609
PUMP OR TUBING DEPTH IN WELL (feet): 8	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)
	1	PE	1000	ICE		6.54	TDS, NO3, Cl	APP	<100
	1	/	250	HNO3		<2	6010 6020 Hg	/	/
	1	/	1	H2SO4		<2	NH3	/	/
	2	CG	40	ICE		6.54	EDB 8011	/	/
	3	1	1	HCl		<2	8260 Full List	/	/

REMARKS: ORP -135.9 ORP -138.2 ORP -138.8

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

January 22, 2021

Ms. Jennifer Stirk
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Port Orange, FL 32128

RE: Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Dear Ms. Stirk:

Enclosed are the analytical results for sample(s) received by the laboratory on January 08, 2021. 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,

Jeff Baylor

Jeff Baylor
jeff.baylor@pacelabs.com
(386)672-5668
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.

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CERTIFICATIONS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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Ormond Beach, FL 32174
(386)672-5668

SAMPLE SUMMARY

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35603183001	**EQ Blank 1/8/21**	Water	01/08/21 09:15	01/08/21 12:58
35603183002	**B37-1**	Water	01/08/21 10:16	01/08/21 12:58
35603183003	**B37-2**	Water	01/08/21 10:43	01/08/21 12:58
35603183004	**B42-1**	Water	01/08/21 11:25	01/08/21 12:58
35603183005	**B42-2**	Water	01/08/21 11:45	01/08/21 12:58
35603183006	**Trip Blank 1/8/21**	Water	01/08/21 00:00	01/08/21 12:58

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35603183001	**EQ Blank 1/8/21**	EPA 8011	TSW	2	PASI-O
		EPA 6010	KPP	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35603183002	**B37-1**	EPA 8011	TSW	2	PASI-O
		EPA 6010	KPP	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35603183003	**B37-2**	EPA 8011	TSW	2	PASI-O
		EPA 6010	KPP	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35603183004	**B42-1**	EPA 8011	TSW	2	PASI-O
		EPA 6010	KPP	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603183005	**B42-2**	EPA 8011	TSW	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	KPP	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603183006	**Trip Blank 1/8/21**	EPA 8260	SK1	50	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35603183001	**EQ Blank 1/8/21**					
EPA 6010	Barium	5.0 I	ug/L	10.0	01/13/21 17:16	
35603183002	**B37-1**					
	Field pH	6.97	Std. Units		01/08/21 10:16	
	Field Temperature	22.15	deg C		01/08/21 10:16	
	Appearance	Color: yellow, Sheen: none			01/08/21 10:16	
	Field Specific Conductance	1916	umhos/cm		01/08/21 10:16	
	Oxygen, Dissolved	0.73	mg/L		01/08/21 10:16	
	REDOX	-77.6	mV		01/08/21 10:16	
	Turbidity	7.03	NTU		01/08/21 10:16	
	Water Level(NGVD)	27.68	feet		01/08/21 10:16	
EPA 6010	Barium	211	ug/L	10.0	01/13/21 17:19	
EPA 6010	Cobalt	3.1 I	ug/L	10.0	01/13/21 17:19	
EPA 6010	Iron	37700	ug/L	40.0	01/13/21 17:19	
EPA 6010	Sodium	182	mg/L	2.0	01/13/21 17:19	
EPA 6020	Arsenic	0.82 I	ug/L	1.0	01/13/21 14:47	
EPA 8260	Benzene	6.7	ug/L	1.0	01/12/21 04:17	
EPA 8260	Chlorobenzene	7.7	ug/L	1.0	01/12/21 04:17	
EPA 8260	1,4-Dichlorobenzene	0.45 I	ug/L	1.0	01/12/21 04:17	
SM 2540C	Total Dissolved Solids	1570	mg/L	20.0	01/12/21 10:33	
EPA 300.0	Chloride	173	mg/L	50.0	01/19/21 19:45	
EPA 350.1	Nitrogen, Ammonia	0.62	mg/L	0.050	01/12/21 16:56	
35603183003	**B37-2**					
	Field pH	6.98	Std. Units		01/08/21 10:43	
	Field Temperature	19.96	deg C		01/08/21 10:43	
	Appearance	Color: yellow, Sheen: none			01/08/21 10:43	
	Field Specific Conductance	350	umhos/cm		01/08/21 10:43	
	Oxygen, Dissolved	0.93	mg/L		01/08/21 10:43	
	REDOX	-24.8	mV		01/08/21 10:43	
	Turbidity	2.67	NTU		01/08/21 10:43	
	Water Level(NGVD)	27.91	feet		01/08/21 10:43	
EPA 6010	Barium	21.3	ug/L	10.0	01/13/21 17:22	
EPA 6010	Iron	6130	ug/L	40.0	01/13/21 17:22	
EPA 6010	Sodium	12.4	mg/L	2.0	01/13/21 17:22	
EPA 6010	Vanadium	1.6 I	ug/L	10.0	01/13/21 17:22	
EPA 6020	Arsenic	2.1	ug/L	1.0	01/13/21 14:49	
SM 2540C	Total Dissolved Solids	301	mg/L	5.0	01/12/21 10:34	
EPA 300.0	Chloride	21.1	mg/L	5.0	01/19/21 20:51	
EPA 350.1	Nitrogen, Ammonia	0.30	mg/L	0.050	01/12/21 17:01	
35603183004	**B42-1**					
	Field pH	5.72	Std. Units		01/08/21 11:25	
	Field Temperature	22.4	deg C		01/08/21 11:25	

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35603183004	**B42-1**					
	Appearance	Color: yellow, Sheen: none			01/08/21 11:25	
	Field Specific Conductance	855	umhos/cm		01/08/21 11:25	
	Oxygen, Dissolved	0.53	mg/L		01/08/21 11:25	
	REDOX	-120.2	mV		01/08/21 11:25	
	Turbidity	2.61	NTU		01/08/21 11:25	
	Water Level(NGVD)	21.90	feet		01/08/21 11:25	
EPA 6010	Barium	123	ug/L	10.0	01/13/21 17:25	
EPA 6010	Chromium	3.3 I	ug/L	5.0	01/13/21 17:25	
EPA 6010	Iron	13000	ug/L	40.0	01/13/21 17:25	
EPA 6010	Sodium	73.4	mg/L	2.0	01/13/21 17:25	
EPA 6010	Vanadium	2.3 I	ug/L	10.0	01/13/21 17:25	
EPA 6020	Arsenic	1.6	ug/L	1.0	01/13/21 14:51	
SM 2540C	Total Dissolved Solids	620	mg/L	5.0	01/12/21 10:34	
EPA 300.0	Chloride	98.4	mg/L	10.0	01/20/21 09:33	
EPA 350.1	Nitrogen, Ammonia	0.50	mg/L	0.050	01/12/21 17:03	
35603183005	**B42-2**					
	Field pH	5.93	Std. Units		01/08/21 11:45	
	Field Temperature	19.9	deg C		01/08/21 11:45	
	Appearance	Color: yellow, Sheen: none			01/08/21 11:45	
	Field Specific Conductance	492	umhos/cm		01/08/21 11:45	
	Oxygen, Dissolved	0.31	mg/L		01/08/21 11:45	
	REDOX	118.9	mV		01/08/21 11:45	
	Turbidity	2.15	NTU		01/08/21 11:45	
	Water Level(NGVD)	24.26	feet		01/08/21 11:45	
EPA 6010	Barium	32.4	ug/L	10.0	01/13/21 17:29	
EPA 6010	Chromium	5.0	ug/L	5.0	01/13/21 17:29	
EPA 6010	Iron	2600	ug/L	40.0	01/13/21 17:29	
EPA 6010	Sodium	25.8	mg/L	2.0	01/13/21 17:29	
EPA 6010	Vanadium	2.9 I	ug/L	10.0	01/13/21 17:29	
EPA 6020	Arsenic	2.4	ug/L	1.0	01/13/21 14:53	
SM 2540C	Total Dissolved Solids	349	mg/L	5.0	01/12/21 10:34	
EPA 300.0	Chloride	36.3	mg/L	5.0	01/19/21 22:20	
EPA 350.1	Nitrogen, Ammonia	0.30	mg/L	0.050	01/12/21 17:08	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Sample: EQ Blank 1/8/21 **Lab ID: 35603183001** Collected: 01/08/21 09:15 Received: 01/08/21 12:58 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	**0.0061 U**	ug/L	0.019	0.0061	1	01/11/21 12:19	01/12/21 05:59	96-12-8	
1,2-Dibromoethane (EDB)	**0.0071 U**	ug/L	0.0095	0.0071	1	01/11/21 12:19	01/12/21 05:59	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**5.0 I**	ug/L	10.0	0.84	1	01/12/21 11:30	01/13/21 17:16	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/12/21 11:30	01/13/21 17:16	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/12/21 11:30	01/13/21 17:16	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/12/21 11:30	01/13/21 17:16	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/12/21 11:30	01/13/21 17:16	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/12/21 11:30	01/13/21 17:16	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	01/12/21 11:30	01/13/21 17:16	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/12/21 11:30	01/13/21 17:16	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/12/21 11:30	01/13/21 17:16	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/12/21 11:30	01/13/21 17:16	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/12/21 11:30	01/13/21 17:16	7440-22-4	
Sodium	**0.54 U**	mg/L	2.0	0.54	1	01/12/21 11:30	01/13/21 17:16	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	01/12/21 11:30	01/13/21 17:16	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/12/21 11:30	01/13/21 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	01/12/21 11:30	01/13/21 14:46	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/12/21 11:30	01/13/21 14:46	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/12/21 11:30	01/13/21 14:46	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/12/21 09:52	01/19/21 11:04	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/12/21 02:57	67-64-1	J(v1),L3
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/12/21 02:57	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 02:57	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 02:57	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/12/21 02:57	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/12/21 02:57	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/12/21 02:57	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/12/21 02:57	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 02:57	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/12/21 02:57	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 02:57	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/12/21 02:57	75-00-3	J(v1),L3

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Sample: EQ Blank 1/8/21 **Lab ID: 35603183001** Collected: 01/08/21 09:15 Received: 01/08/21 12:58 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	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 02:57	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/12/21 02:57	74-87-3	J(v1),L3
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/12/21 02:57	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/12/21 02:57	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/12/21 02:57	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/12/21 02:57	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/12/21 02:57	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/12/21 02:57	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 02:57	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 02:57	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 02:57	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 02:57	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 02:57	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/12/21 02:57	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 02:57	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 02:57	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/12/21 02:57	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/12/21 02:57	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/12/21 02:57	75-09-2	J(v1),L3
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/12/21 02:57	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/12/21 02:57	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 02:57	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 02:57	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/12/21 02:57	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/12/21 02:57	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 02:57	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 02:57	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/12/21 02:57	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 02:57	75-69-4	J(v1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/12/21 02:57	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 02:57	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/12/21 02:57	75-01-4	J(v1),L3
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/12/21 02:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/12/21 02:57	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/12/21 02:57	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		01/12/21 02:57	2199-69-1	
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		01/12/21 10:33		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		01/19/21 18:38	16887-00-6	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Sample: EQ Blank 1/8/21 **Lab ID: 35603183001** Collected: 01/08/21 09:15 Received: 01/08/21 12:58 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	**0.035 U**	mg/L	0.050	0.035	1		01/12/21 16:55	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		01/08/21 18:21	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Sample: B37-1 **Lab ID: 35603183002** Collected: 01/08/21 10:16 Received: 01/08/21 12:58 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.97**	Std. Units			1		01/08/21 10:16		
Field Temperature	**22.15**	deg C			1		01/08/21 10:16		
Appearance	**Color: yellow, Sheen: none**				1		01/08/21 10:16		
Field Specific Conductance	**1916**	umhos/cm			1		01/08/21 10:16		
Oxygen, Dissolved	**0.73**	mg/L			1		01/08/21 10:16	7782-44-7	
REDOX	**-77.6**	mV			1		01/08/21 10:16		
Turbidity	**7.03**	NTU			1		01/08/21 10:16		
Water Level(NGVD)	**27.68**	feet			1		01/08/21 10:16		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0062 U**	ug/L	0.019	0.0062	1	01/11/21 12:19	01/12/21 06:14	96-12-8	
1,2-Dibromoethane (EDB)	**0.0073 U**	ug/L	0.0097	0.0073	1	01/11/21 12:19	01/12/21 06:14	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**211**	ug/L	10.0	0.84	1	01/12/21 11:30	01/13/21 17:19	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/12/21 11:30	01/13/21 17:19	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/12/21 11:30	01/13/21 17:19	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/12/21 11:30	01/13/21 17:19	7440-47-3	
Cobalt	**3.1 I**	ug/L	10.0	0.96	1	01/12/21 11:30	01/13/21 17:19	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/12/21 11:30	01/13/21 17:19	7440-50-8	
Iron	**37700**	ug/L	40.0	25.0	1	01/12/21 11:30	01/13/21 17:19	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/12/21 11:30	01/13/21 17:19	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/12/21 11:30	01/13/21 17:19	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/12/21 11:30	01/13/21 17:19	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/12/21 11:30	01/13/21 17:19	7440-22-4	
Sodium	**182**	mg/L	2.0	0.54	1	01/12/21 11:30	01/13/21 17:19	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	01/12/21 11:30	01/13/21 17:19	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/12/21 11:30	01/13/21 17:19	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/12/21 11:30	01/13/21 14:47	7440-36-0	
Arsenic	**0.82 I**	ug/L	1.0	0.50	1	01/12/21 11:30	01/13/21 14:47	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/12/21 11:30	01/13/21 14:47	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/12/21 09:52	01/19/21 11:06	7439-97-6	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Sample: B37-1 **Lab ID: 35603183002** Collected: 01/08/21 10:16 Received: 01/08/21 12:58 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/12/21 04:17	67-64-1	J(v1),L3
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/12/21 04:17	107-13-1	
Benzene	**6.7**	ug/L	1.0	0.30	1		01/12/21 04:17	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 04:17	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/12/21 04:17	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/12/21 04:17	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/12/21 04:17	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/12/21 04:17	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 04:17	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/12/21 04:17	56-23-5	
Chlorobenzene	**7.7**	ug/L	1.0	0.35	1		01/12/21 04:17	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/12/21 04:17	75-00-3	J(v1),L3
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 04:17	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/12/21 04:17	74-87-3	J(v1),L3
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/12/21 04:17	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/12/21 04:17	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/12/21 04:17	95-50-1	
1,4-Dichlorobenzene	**0.45 I**	ug/L	1.0	0.28	1		01/12/21 04:17	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/12/21 04:17	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/12/21 04:17	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 04:17	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 04:17	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 04:17	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 04:17	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 04:17	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/12/21 04:17	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 04:17	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 04:17	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/12/21 04:17	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/12/21 04:17	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/12/21 04:17	75-09-2	J(v1),L3
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/12/21 04:17	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/12/21 04:17	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 04:17	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 04:17	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/12/21 04:17	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/12/21 04:17	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 04:17	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 04:17	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/12/21 04:17	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 04:17	75-69-4	J(v1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/12/21 04:17	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 04:17	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/12/21 04:17	75-01-4	J(v1),L3
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/12/21 04:17	1330-20-7	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Sample: B37-1 **Lab ID: 35603183002** Collected: 01/08/21 10:16 Received: 01/08/21 12:58 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)	102	%	70-130		1		01/12/21 04:17	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		01/12/21 04:17	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/12/21 04:17	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**1570**	mg/L	20.0	20.0	1		01/12/21 10:33		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**173**	mg/L	50.0	25.0	10		01/19/21 19:45	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.62**	mg/L	0.050	0.035	1		01/12/21 16:56	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.25 U**	mg/L	0.50	0.25	10		01/08/21 18:39	14797-55-8	D3

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Sample: B37-2 **Lab ID: 35603183003** Collected: 01/08/21 10:43 Received: 01/08/21 12:58 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.98**	Std. Units			1		01/08/21 10:43		
Field Temperature	**19.96**	deg C			1		01/08/21 10:43		
Appearance	**Color: yellow, Sheen: none**				1		01/08/21 10:43		
Field Specific Conductance	**350**	umhos/cm			1		01/08/21 10:43		
Oxygen, Dissolved	**0.93**	mg/L			1		01/08/21 10:43	7782-44-7	
REDOX	**-24.8**	mV			1		01/08/21 10:43		
Turbidity	**2.67**	NTU			1		01/08/21 10:43		
Water Level(NGVD)	**27.91**	feet			1		01/08/21 10:43		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0063 U**	ug/L	0.020	0.0063	1	01/11/21 12:19	01/12/21 06:29	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0098	0.0074	1	01/11/21 12:19	01/12/21 06:29	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	01/12/21 11:30	01/13/21 17:22	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/12/21 11:30	01/13/21 17:22	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/12/21 11:30	01/13/21 17:22	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/12/21 11:30	01/13/21 17:22	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/12/21 11:30	01/13/21 17:22	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/12/21 11:30	01/13/21 17:22	7440-50-8	
Iron	**6130**	ug/L	40.0	25.0	1	01/12/21 11:30	01/13/21 17:22	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/12/21 11:30	01/13/21 17:22	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/12/21 11:30	01/13/21 17:22	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/12/21 11:30	01/13/21 17:22	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/12/21 11:30	01/13/21 17:22	7440-22-4	
Sodium	**12.4**	mg/L	2.0	0.54	1	01/12/21 11:30	01/13/21 17:22	7440-23-5	
Vanadium	**1.6 I**	ug/L	10.0	1.0	1	01/12/21 11:30	01/13/21 17:22	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/12/21 11:30	01/13/21 17:22	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	01/12/21 11:30	01/13/21 14:49	7440-36-0	
Arsenic	**2.1**	ug/L	1.0	0.50	1	01/12/21 11:30	01/13/21 14:49	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/12/21 11:30	01/13/21 14:49	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/12/21 09:52	01/19/21 11:09	7439-97-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Sample: B37-2 **Lab ID: 35603183003** Collected: 01/08/21 10:43 Received: 01/08/21 12:58 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/12/21 05:11	67-64-1	J(v1),L3
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/12/21 05:11	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 05:11	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 05:11	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/12/21 05:11	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/12/21 05:11	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/12/21 05:11	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/12/21 05:11	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 05:11	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/12/21 05:11	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 05:11	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/12/21 05:11	75-00-3	J(M0), J(v1),L3
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 05:11	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/12/21 05:11	74-87-3	J(M0), J(v1),L3
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/12/21 05:11	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/12/21 05:11	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/12/21 05:11	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/12/21 05:11	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/12/21 05:11	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/12/21 05:11	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 05:11	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 05:11	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 05:11	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 05:11	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 05:11	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/12/21 05:11	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 05:11	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 05:11	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/12/21 05:11	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/12/21 05:11	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/12/21 05:11	75-09-2	J(v1),L3
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/12/21 05:11	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/12/21 05:11	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 05:11	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 05:11	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/12/21 05:11	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/12/21 05:11	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 05:11	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 05:11	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/12/21 05:11	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 05:11	75-69-4	J(v1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/12/21 05:11	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 05:11	108-05-4	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Sample: B37-2 **Lab ID: 35603183003** Collected: 01/08/21 10:43 Received: 01/08/21 12:58 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/12/21 05:11	75-01-4	J(M0), J(v1),L3
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/12/21 05:11	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/12/21 05:11	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		01/12/21 05:11	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/12/21 05:11	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**301**	mg/L	5.0	5.0	1		01/12/21 10:34		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**21.1**	mg/L	5.0	2.5	1		01/19/21 20:51	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.30**	mg/L	0.050	0.035	1		01/12/21 17:01	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		01/08/21 17:29	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Sample: B42-1 **Lab ID: 35603183004** Collected: 01/08/21 11:25 Received: 01/08/21 12:58 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**5.72**	Std. Units			1		01/08/21 11:25		
Field Temperature	**22.4**	deg C			1		01/08/21 11:25		
Appearance	**Color: yellow, Sheen: none**				1		01/08/21 11:25		
Field Specific Conductance	**855**	umhos/cm			1		01/08/21 11:25		
Oxygen, Dissolved	**0.53**	mg/L			1		01/08/21 11:25	7782-44-7	
REDOX	**-120.2**	mV			1		01/08/21 11:25		
Turbidity	**2.61**	NTU			1		01/08/21 11:25		
Water Level(NGVD)	**21.90**	feet			1		01/08/21 11:25		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0062 U**	ug/L	0.020	0.0062	1	01/11/21 12:19	01/12/21 06:44	96-12-8	
1,2-Dibromoethane (EDB)	**0.0073 U**	ug/L	0.0098	0.0073	1	01/11/21 12:19	01/12/21 06:44	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**123**	ug/L	10.0	0.84	1	01/12/21 11:30	01/13/21 17:25	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/12/21 11:30	01/13/21 17:25	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/12/21 11:30	01/13/21 17:25	7440-43-9	
Chromium	**3.3 I**	ug/L	5.0	1.7	1	01/12/21 11:30	01/13/21 17:25	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/12/21 11:30	01/13/21 17:25	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/12/21 11:30	01/13/21 17:25	7440-50-8	
Iron	**13000**	ug/L	40.0	25.0	1	01/12/21 11:30	01/13/21 17:25	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/12/21 11:30	01/13/21 17:25	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/12/21 11:30	01/13/21 17:25	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/12/21 11:30	01/13/21 17:25	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/12/21 11:30	01/13/21 17:25	7440-22-4	
Sodium	**73.4**	mg/L	2.0	0.54	1	01/12/21 11:30	01/13/21 17:25	7440-23-5	
Vanadium	**2.3 I**	ug/L	10.0	1.0	1	01/12/21 11:30	01/13/21 17:25	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/12/21 11:30	01/13/21 17:25	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/12/21 11:30	01/13/21 14:51	7440-36-0	
Arsenic	**1.6**	ug/L	1.0	0.50	1	01/12/21 11:30	01/13/21 14:51	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/12/21 11:30	01/13/21 14:51	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/12/21 09:52	01/19/21 11:16	7439-97-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Sample: B42-1 **Lab ID: 35603183004** Collected: 01/08/21 11:25 Received: 01/08/21 12:58 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/12/21 06:04	67-64-1	J(v1),L3
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/12/21 06:04	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 06:04	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 06:04	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/12/21 06:04	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/12/21 06:04	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/12/21 06:04	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/12/21 06:04	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 06:04	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/12/21 06:04	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 06:04	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/12/21 06:04	75-00-3	J(v1),L3
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 06:04	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/12/21 06:04	74-87-3	J(v1),L3
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/12/21 06:04	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/12/21 06:04	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/12/21 06:04	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/12/21 06:04	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/12/21 06:04	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/12/21 06:04	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 06:04	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 06:04	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 06:04	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 06:04	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 06:04	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/12/21 06:04	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 06:04	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 06:04	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/12/21 06:04	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/12/21 06:04	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/12/21 06:04	75-09-2	J(v1),L3
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/12/21 06:04	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/12/21 06:04	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 06:04	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 06:04	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/12/21 06:04	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/12/21 06:04	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 06:04	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 06:04	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/12/21 06:04	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 06:04	75-69-4	J(v1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/12/21 06:04	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 06:04	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/12/21 06:04	75-01-4	J(v1),L3
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/12/21 06:04	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Sample: B42-1 **Lab ID: 35603183004** Collected: 01/08/21 11:25 Received: 01/08/21 12:58 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)	101	%	70-130		1		01/12/21 06:04	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		01/12/21 06:04	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		01/12/21 06:04	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**620**	mg/L	5.0	5.0	1		01/12/21 10:34		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**98.4**	mg/L	10.0	5.0	2		01/20/21 09:33	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.50**	mg/L	0.050	0.035	1		01/12/21 17:03	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.25 U**	mg/L	0.50	0.25	10		01/09/21 16:06	14797-55-8	D3

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Sample: B42-2 **Lab ID: 35603183005** Collected: 01/08/21 11:45 Received: 01/08/21 12:58 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**5.93**	Std. Units			1		01/08/21 11:45		
Field Temperature	**19.9**	deg C			1		01/08/21 11:45		
Appearance	**Color: yellow, Sheen: none**				1		01/08/21 11:45		
Field Specific Conductance	**492**	umhos/cm			1		01/08/21 11:45		
Oxygen, Dissolved	**0.31**	mg/L			1		01/08/21 11:45	7782-44-7	
REDOX	**118.9**	mV			1		01/08/21 11:45		
Turbidity	**2.15**	NTU			1		01/08/21 11:45		
Water Level(NGVD)	**24.26**	feet			1		01/08/21 11:45		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0063 U**	ug/L	0.020	0.0063	1	01/11/21 12:19	01/12/21 07:14	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0099	0.0074	1	01/11/21 12:19	01/12/21 07:14	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**32.4**	ug/L	10.0	0.84	1	01/12/21 11:30	01/13/21 17:29	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/12/21 11:30	01/13/21 17:29	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/12/21 11:30	01/13/21 17:29	7440-43-9	
Chromium	**5.0**	ug/L	5.0	1.7	1	01/12/21 11:30	01/13/21 17:29	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/12/21 11:30	01/13/21 17:29	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/12/21 11:30	01/13/21 17:29	7440-50-8	
Iron	**2600**	ug/L	40.0	25.0	1	01/12/21 11:30	01/13/21 17:29	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/12/21 11:30	01/13/21 17:29	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/12/21 11:30	01/13/21 17:29	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/12/21 11:30	01/13/21 17:29	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/12/21 11:30	01/13/21 17:29	7440-22-4	
Sodium	**25.8**	mg/L	2.0	0.54	1	01/12/21 11:30	01/13/21 17:29	7440-23-5	
Vanadium	**2.9 I**	ug/L	10.0	1.0	1	01/12/21 11:30	01/13/21 17:29	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/12/21 11:30	01/13/21 17:29	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/12/21 11:30	01/13/21 14:53	7440-36-0	
Arsenic	**2.4**	ug/L	1.0	0.50	1	01/12/21 11:30	01/13/21 14:53	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/12/21 11:30	01/13/21 14:53	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/12/21 09:52	01/19/21 11:18	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Sample: B42-2 **Lab ID: 35603183005** Collected: 01/08/21 11:45 Received: 01/08/21 12:58 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/12/21 06:31	67-64-1	J(v1),L3
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/12/21 06:31	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 06:31	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 06:31	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/12/21 06:31	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/12/21 06:31	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/12/21 06:31	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/12/21 06:31	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 06:31	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/12/21 06:31	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 06:31	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/12/21 06:31	75-00-3	J(v1),L3
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 06:31	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/12/21 06:31	74-87-3	J(v1),L3
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/12/21 06:31	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/12/21 06:31	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/12/21 06:31	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/12/21 06:31	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/12/21 06:31	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/12/21 06:31	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 06:31	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 06:31	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 06:31	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 06:31	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 06:31	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/12/21 06:31	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 06:31	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 06:31	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/12/21 06:31	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/12/21 06:31	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/12/21 06:31	75-09-2	J(v1),L3
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/12/21 06:31	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/12/21 06:31	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 06:31	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 06:31	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/12/21 06:31	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/12/21 06:31	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 06:31	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 06:31	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/12/21 06:31	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 06:31	75-69-4	J(v1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/12/21 06:31	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 06:31	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/12/21 06:31	75-01-4	J(v1),L3
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/12/21 06:31	1330-20-7	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Sample: B42-2 **Lab ID: 35603183005** Collected: 01/08/21 11:45 Received: 01/08/21 12:58 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)	101	%	70-130		1		01/12/21 06:31	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/12/21 06:31	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		01/12/21 06:31	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**349**	mg/L	5.0	5.0	1		01/12/21 10:34		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**36.3**	mg/L	5.0	2.5	1		01/19/21 22:20	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.30**	mg/L	0.050	0.035	1		01/12/21 17:08	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		01/09/21 12:44	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Sample: Trip Blank 1/8/21 **Lab ID: 35603183006** Collected: 01/08/21 00:00 Received: 01/08/21 12:58 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/17/21 15:42	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/17/21 15:42	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/17/21 15:42	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/17/21 15:42	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/17/21 15:42	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/17/21 15:42	75-25-2	J(v2)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/17/21 15:42	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/17/21 15:42	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/17/21 15:42	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/17/21 15:42	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/17/21 15:42	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/17/21 15:42	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/17/21 15:42	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/17/21 15:42	74-87-3	
1,2-Dibromo-3-chloropropane	**1.9 U**	ug/L	5.0	1.9	1		01/17/21 15:42	96-12-8	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/17/21 15:42	124-48-1	
1,2-Dibromoethane (EDB)	**0.31 U**	ug/L	1.0	0.31	1		01/17/21 15:42	106-93-4	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/17/21 15:42	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/17/21 15:42	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/17/21 15:42	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/17/21 15:42	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/17/21 15:42	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/17/21 15:42	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/17/21 15:42	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/17/21 15:42	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/17/21 15:42	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/17/21 15:42	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/17/21 15:42	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/17/21 15:42	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/17/21 15:42	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/17/21 15:42	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/17/21 15:42	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/17/21 15:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/17/21 15:42	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/17/21 15:42	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/17/21 15:42	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/17/21 15:42	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/17/21 15:42	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/17/21 15:42	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/17/21 15:42	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/17/21 15:42	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/17/21 15:42	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/17/21 15:42	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/17/21 15:42	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/17/21 15:42	108-05-4	J(v2)

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Sample: Trip Blank 1/8/21 **Lab ID: 35603183006** Collected: 01/08/21 00:00 Received: 01/08/21 12:58 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/17/21 15:42	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/17/21 15:42	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		01/17/21 15:42	460-00-4	
Toluene-d8 (S)	96	%	70-130		1		01/17/21 15:42	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		01/17/21 15:42	2199-69-1	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

QC Batch: 695870 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603183001, 35603183002, 35603183003, 35603183004, 35603183005

METHOD BLANK: 3787844 Matrix: Water
Associated Lab Samples: 35603183001, 35603183002, 35603183003, 35603183004, 35603183005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	01/19/21 10:21	

LABORATORY CONTROL SAMPLE: 3787845

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3787846 3787847

Parameter	Units	35603028002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	1.6	1.6	80	76	75-125	4	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

QC Batch: 695945
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603183001, 35603183002, 35603183003, 35603183004, 35603183005

METHOD BLANK: 3788161 Matrix: Water
Associated Lab Samples: 35603183001, 35603183002, 35603183003, 35603183004, 35603183005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	01/15/21 07:46	
Beryllium	ug/L	0.17 U	4.0	0.17	01/15/21 07:46	
Cadmium	ug/L	0.33 U	1.0	0.33	01/18/21 17:02	
Chromium	ug/L	1.7 U	5.0	1.7	01/15/21 07:46	
Cobalt	ug/L	0.96 U	10.0	0.96	01/18/21 17:02	
Copper	ug/L	2.6 U	5.0	2.6	01/15/21 07:46	
Iron	ug/L	25.0 U	40.0	25.0	01/15/21 07:46	
Lead	ug/L	4.6 U	10.0	4.6	01/18/21 17:02	
Nickel	ug/L	2.1 U	5.0	2.1	01/18/21 17:02	
Selenium	ug/L	8.5 U	15.0	8.5	01/18/21 17:02	
Silver	ug/L	1.0 U	5.0	1.0	01/18/21 17:02	
Sodium	mg/L	0.54 U	2.0	0.54	01/15/21 07:46	
Vanadium	ug/L	1.0 U	10.0	1.0	01/15/21 07:46	
Zinc	ug/L	11.0 U	20.0	11.0	01/18/21 17:02	

LABORATORY CONTROL SAMPLE: 3788162

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	245	98	80-120	
Beryllium	ug/L	25	23.8	95	80-120	
Cadmium	ug/L	25	24.2	97	80-120	
Chromium	ug/L	250	242	97	80-120	
Cobalt	ug/L	250	243	97	80-120	
Copper	ug/L	250	235	94	80-120	
Iron	ug/L	2500	2430	97	80-120	
Lead	ug/L	250	243	97	80-120	
Nickel	ug/L	250	243	97	80-120	
Selenium	ug/L	250	233	93	80-120	
Silver	ug/L	25	23.8	95	80-120	
Sodium	mg/L	12.5	12.4	99	80-120	
Vanadium	ug/L	250	240	96	80-120	
Zinc	ug/L	1250	1210	97	80-120	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3788163 3788164

Parameter	Units	35603377001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	32.8	250	250	272	279	96	99	75-125	3	20	
Beryllium	ug/L	0.17 U	25	25	24.0	24.7	96	99	75-125	3	20	
Cadmium	ug/L	0.33 U	25	25	23.6	24.3	94	97	75-125	3	20	
Chromium	ug/L	1.7 U	250	250	240	247	96	98	75-125	3	20	
Cobalt	ug/L	0.96 U	250	250	240	246	96	99	75-125	3	20	
Copper	ug/L	2.6 U	250	250	239	244	96	98	75-125	2	20	
Iron	ug/L	29.5 I	2500	2500	2480	2530	98	100	75-125	2	20	
Lead	ug/L	4.6 U	250	250	236	242	94	96	75-125	3	20	
Nickel	ug/L	2.1 U	250	250	236	243	94	97	75-125	3	20	
Selenium	ug/L	8.5 U	250	250	172	175	68	69	75-125	2	20	J(M1)
Silver	ug/L	1.0 U	25	25	24.1	24.7	96	99	75-125	3	20	
Sodium	mg/L	57.2	12.5	12.5	65.0	66.0	62	71	75-125	2	20	J(M1)
Vanadium	ug/L	1.0 U	250	250	242	248	96	99	75-125	3	20	
Zinc	ug/L	11.0 U	1250	1250	1200	1210	96	97	75-125	1	20	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

QC Batch: 695942
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603183001, 35603183002, 35603183003, 35603183004, 35603183005

METHOD BLANK: 3788156 Matrix: Water
Associated Lab Samples: 35603183001, 35603183002, 35603183003, 35603183004, 35603183005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	01/13/21 14:09	
Arsenic	ug/L	0.50 U	1.0	0.50	01/13/21 14:09	
Thallium	ug/L	0.11 U	1.0	0.11	01/13/21 14:09	

LABORATORY CONTROL SAMPLE: 3788157

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.0	98	80-120	
Arsenic	ug/L	50	49.7	99	80-120	
Thallium	ug/L	50	50.6	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3788158 3788159

Parameter	Units	35603377005 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	49.6	49.5	99	99	75-125	0	20	
Arsenic	ug/L	0.52 I	50	50	51.7	50.7	102	100	75-125	2	20	
Thallium	ug/L	0.11 U	50	50	49.5	48.6	99	97	75-125	2	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

QC Batch: 695809
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603183001, 35603183002, 35603183003, 35603183004, 35603183005

METHOD BLANK: 3787553
Matrix: Water
Associated Lab Samples: 35603183001, 35603183002, 35603183003, 35603183004, 35603183005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/12/21 01:37	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/12/21 01:37	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/12/21 01:37	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/12/21 01:37	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/12/21 01:37	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/12/21 01:37	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/12/21 01:37	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/12/21 01:37	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	01/12/21 01:37	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/12/21 01:37	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/12/21 01:37	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	01/12/21 01:37	
2-Hexanone	ug/L	3.2 U	25.0	3.2	01/12/21 01:37	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/12/21 01:37	
Acetone	ug/L	5.3 U	25.0	5.3	01/12/21 01:37	J(v1)
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/12/21 01:37	
Benzene	ug/L	0.30 U	1.0	0.30	01/12/21 01:37	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/12/21 01:37	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/12/21 01:37	
Bromoform	ug/L	0.48 U	3.0	0.48	01/12/21 01:37	
Bromomethane	ug/L	8.1 U	10.0	8.1	01/12/21 01:37	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/12/21 01:37	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/12/21 01:37	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/12/21 01:37	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/12/21 01:37	J(v1)
Chloroform	ug/L	0.32 U	1.0	0.32	01/12/21 01:37	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/12/21 01:37	J(v1)
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/12/21 01:37	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/12/21 01:37	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/12/21 01:37	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/12/21 01:37	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/12/21 01:37	
Iodomethane	ug/L	9.3 U	10.0	9.3	01/12/21 01:37	
Methylene Chloride	ug/L	4.4 U	5.0	4.4	01/12/21 01:37	J(v1)
Styrene	ug/L	0.26 U	1.0	0.26	01/12/21 01:37	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/12/21 01:37	
Toluene	ug/L	0.33 U	1.0	0.33	01/12/21 01:37	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/12/21 01:37	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/12/21 01:37	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/12/21 01:37	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

METHOD BLANK: 3787553 Matrix: Water
Associated Lab Samples: 35603183001, 35603183002, 35603183003, 35603183004, 35603183005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/12/21 01:37	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	01/12/21 01:37	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/12/21 01:37	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/12/21 01:37	J(v1)
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/12/21 01:37	
1,2-Dichlorobenzene-d4 (S)	%	106	70-130		01/12/21 01:37	
4-Bromofluorobenzene (S)	%	100	70-130		01/12/21 01:37	
Toluene-d8 (S)	%	103	70-130		01/12/21 01:37	

LABORATORY CONTROL SAMPLE: 3787554

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.6	98	70-130	
1,1,1-Trichloroethane	ug/L	20	20.3	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.5	92	68-125	
1,1,2-Trichloroethane	ug/L	20	19.5	98	70-130	
1,1-Dichloroethane	ug/L	20	18.4	92	70-130	
1,1-Dichloroethene	ug/L	20	21.6	108	66-133	
1,2,3-Trichloropropane	ug/L	20	19.1	95	62-127	
1,2-Dichlorobenzene	ug/L	20	18.9	95	70-130	
1,2-Dichloroethane	ug/L	20	20.2	101	70-130	
1,2-Dichloropropane	ug/L	20	20.3	101	70-130	
1,4-Dichlorobenzene	ug/L	20	18.7	94	70-130	
2-Butanone (MEK)	ug/L	100	112	112	47-143	
2-Hexanone	ug/L	100	99.7	100	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.8	100	57-132	
Acetone	ug/L	100	150	150	46-148	J(v1),L3
Acrylonitrile	ug/L	100	102	102	60-143	
Benzene	ug/L	20	20.7	103	70-130	
Bromochloromethane	ug/L	20	20.9	105	70-130	
Bromodichloromethane	ug/L	20	21.9	110	70-130	
Bromoform	ug/L	20	23.9	119	49-126	
Bromomethane	ug/L	20	19.2	96	10-165	
Carbon disulfide	ug/L	20	21.6	108	60-141	
Carbon tetrachloride	ug/L	20	20.7	104	63-126	
Chlorobenzene	ug/L	20	19.5	97	70-130	
Chloroethane	ug/L	20	29.1	145	71-142	J(v1),L3
Chloroform	ug/L	20	19.8	99	70-130	
Chloromethane	ug/L	20	28.6	143	40-140	J(v1),L3
cis-1,2-Dichloroethene	ug/L	20	18.5	93	70-130	
cis-1,3-Dichloropropene	ug/L	20	22.6	113	70-130	
Dibromochloromethane	ug/L	20	19.7	98	62-118	
Dibromomethane	ug/L	20	21.4	107	70-130	
Ethylbenzene	ug/L	20	19.1	96	70-130	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

LABORATORY CONTROL SAMPLE: 3787554

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	17.9	89	10-164	
Methylene Chloride	ug/L	20	28.1	140	65-136	L3
Styrene	ug/L	20	17.8	89	70-130	
Tetrachloroethene	ug/L	20	19.4	97	64-134	
Toluene	ug/L	20	17.7	89	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.3	87	68-127	
trans-1,3-Dichloropropene	ug/L	20	21.3	106	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	16.8	84	42-129	
Trichloroethene	ug/L	20	21.1	106	70-130	
Trichlorofluoromethane	ug/L	20	25.0	125	65-135	J(v1)
Vinyl acetate	ug/L	20	22.7	114	60-144	
Vinyl chloride	ug/L	20	26.7	133	68-131	J(v1),L3
Xylene (Total)	ug/L	60	58.0	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			108	70-130	
Toluene-d8 (S)	%			107	70-130	

MATRIX SPIKE SAMPLE: 3787556

Parameter	Units	35603183003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	19.0	95	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	20.0	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	18.5	93	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	18.9	95	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	18.5	92	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	21.9	109	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	18.9	95	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	18.5	92	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	20.5	103	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	20.9	104	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	18.1	90	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	101	101	47-143	
2-Hexanone	ug/L	3.2 U	100	99.3	99	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	101	101	57-132	
Acetone	ug/L	5.3 U	100	125	122	46-148	J(v1)
Acrylonitrile	ug/L	3.7 U	100	98.1	98	60-143	
Benzene	ug/L	0.30 U	20	20.9	104	70-130	
Bromochloromethane	ug/L	0.37 U	20	20.8	104	70-130	
Bromodichloromethane	ug/L	0.19 U	20	20.9	104	70-130	
Bromoform	ug/L	0.48 U	20	21.5	108	49-126	
Bromomethane	ug/L	8.1 U	20	16.7	84	10-165	
Carbon disulfide	ug/L	1.8 U	20	22.2	111	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	21.5	108	63-126	
Chlorobenzene	ug/L	0.35 U	20	19.3	97	70-130	
Chloroethane	ug/L	3.7 U	20	29.2	146	71-142	J(M0),J(v1)

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

MATRIX SPIKE SAMPLE: 3787556

Parameter	Units	35603183003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	19.6	98	70-130	
Chloromethane	ug/L	0.43 U	20	28.5	143	40-140	J(M0),J(v1)
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	19.4	97	70-130	
Dibromochloromethane	ug/L	0.45 U	20	18.5	92	62-118	
Dibromomethane	ug/L	0.68 U	20	20.8	104	70-130	
Ethylbenzene	ug/L	0.30 U	20	19.1	96	70-130	
Iodomethane	ug/L	9.3 U	20	19.1	95	10-164	
Methylene Chloride	ug/L	4.4 U	20	26.0	130	65-136	J(v1)
Styrene	ug/L	0.26 U	20	17.6	88	70-130	
Tetrachloroethene	ug/L	0.38 U	20	18.6	93	64-134	
Toluene	ug/L	0.33 U	20	15.3	77	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	17.1	86	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	20.5	103	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	17.1	85	42-129	
Trichloroethene	ug/L	0.36 U	20	21.1	105	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	25.1	126	65-135	J(v1)
Vinyl acetate	ug/L	1.8 U	20	20.5	102	60-144	
Vinyl chloride	ug/L	0.39 U	20	27.2	136	68-131	J(M0),J(v1)
Xylene (Total)	ug/L	2.1 U	60	57.3	96	70-130	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				103	70-130	
Toluene-d8 (S)	%				110	70-130	

SAMPLE DUPLICATE: 3787555

Parameter	Units	35603183002 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-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.45 I	0.45 I		40	
2-Butanone (MEK)	ug/L	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	J(v1)
Acrylonitrile	ug/L	3.7 U	3.7 U		40	
Benzene	ug/L	6.7	6.9	4	40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

SAMPLE DUPLICATE: 3787555

Parameter	Units	35603183002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	8.1 U	8.1 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	7.7	7.8	1	40	
Chloroethane	ug/L	3.7 U	3.7 U		40	J(v1)
Chloroform	ug/L	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	J(v1)
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	9.3 U	9.3 U		40	
Methylene Chloride	ug/L	4.4 U	4.4 U		40	J(v1)
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 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	0.35 U	0.35 U		40	J(v1)
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	J(v1)
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	104	106			
4-Bromofluorobenzene (S)	%	102	102		40	
Toluene-d8 (S)	%	98	102		40	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

QC Batch: 697369
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35603183006

METHOD BLANK: 3796995 Matrix: Water
Associated Lab Samples: 35603183006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/17/21 14:02	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/17/21 14:02	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/17/21 14:02	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/17/21 14:02	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/17/21 14:02	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/17/21 14:02	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/17/21 14:02	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	5.0	1.9	01/17/21 14:02	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	1.0	0.31	01/17/21 14:02	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/17/21 14:02	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	01/17/21 14:02	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/17/21 14:02	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/17/21 14:02	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	01/17/21 14:02	
2-Hexanone	ug/L	3.2 U	25.0	3.2	01/17/21 14:02	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/17/21 14:02	
Acetone	ug/L	5.3 U	25.0	5.3	01/17/21 14:02	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/17/21 14:02	
Benzene	ug/L	0.30 U	1.0	0.30	01/17/21 14:02	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/17/21 14:02	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/17/21 14:02	
Bromoform	ug/L	0.48 U	3.0	0.48	01/17/21 14:02	J(v2)
Bromomethane	ug/L	8.1 U	10.0	8.1	01/17/21 14:02	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/17/21 14:02	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/17/21 14:02	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/17/21 14:02	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/17/21 14:02	
Chloroform	ug/L	0.32 U	1.0	0.32	01/17/21 14:02	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/17/21 14:02	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/17/21 14:02	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/17/21 14:02	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/17/21 14:02	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/17/21 14:02	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/17/21 14:02	
Iodomethane	ug/L	9.3 U	10.0	9.3	01/17/21 14:02	
Methylene Chloride	ug/L	4.4 U	5.0	4.4	01/17/21 14:02	
Styrene	ug/L	0.26 U	1.0	0.26	01/17/21 14:02	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/17/21 14:02	
Toluene	ug/L	0.33 U	1.0	0.33	01/17/21 14:02	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/17/21 14:02	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

METHOD BLANK: 3796995 Matrix: Water
Associated Lab Samples: 35603183006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/17/21 14:02	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/17/21 14:02	
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/17/21 14:02	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	01/17/21 14:02	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/17/21 14:02	J(v2)
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/17/21 14:02	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/17/21 14:02	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130		01/17/21 14:02	
4-Bromofluorobenzene (S)	%	95	70-130		01/17/21 14:02	
Toluene-d8 (S)	%	97	70-130		01/17/21 14:02	

LABORATORY CONTROL SAMPLE: 3796996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.7	98	70-130	
1,1,1-Trichloroethane	ug/L	20	21.1	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.0	105	68-125	
1,1,2-Trichloroethane	ug/L	20	21.4	107	70-130	
1,1-Dichloroethane	ug/L	20	23.0	115	70-130	
1,1-Dichloroethene	ug/L	20	20.1	101	66-133	
1,2,3-Trichloropropane	ug/L	20	20.7	103	62-127	
1,2-Dibromo-3-chloropropane	ug/L	20	18.7	94	45-137	
1,2-Dibromoethane (EDB)	ug/L	20	21.2	106	70-130	
1,2-Dichlorobenzene	ug/L	20	19.9	99	70-130	
1,2-Dichloroethane	ug/L	20	21.4	107	70-130	
1,2-Dichloropropane	ug/L	20	22.1	111	70-130	
1,4-Dichlorobenzene	ug/L	20	19.8	99	70-130	
2-Butanone (MEK)	ug/L	100	90.3	90	47-143	
2-Hexanone	ug/L	100	83.2	83	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	88.4	88	57-132	
Acetone	ug/L	100	91.1	91	46-148	
Acrylonitrile	ug/L	100	110	110	60-143	
Benzene	ug/L	20	22.7	113	70-130	
Bromochloromethane	ug/L	20	22.5	112	70-130	
Bromodichloromethane	ug/L	20	22.1	111	70-130	
Bromoform	ug/L	20	15.6	78	49-126	J(v3)
Bromomethane	ug/L	20	15.6	78	10-165	J(v3)
Carbon disulfide	ug/L	20	17.8	89	60-141	
Carbon tetrachloride	ug/L	20	20.2	101	63-126	
Chlorobenzene	ug/L	20	20.7	104	70-130	
Chloroethane	ug/L	20	18.8	94	71-142	
Chloroform	ug/L	20	22.0	110	70-130	
Chloromethane	ug/L	20	18.9	94	40-140	
cis-1,2-Dichloroethene	ug/L	20	22.1	110	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

LABORATORY CONTROL SAMPLE: 3796996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	20	21.5	108	70-130	
Dibromochloromethane	ug/L	20	21.9	109	62-118	
Dibromomethane	ug/L	20	20.8	104	70-130	
Ethylbenzene	ug/L	20	20.5	103	70-130	
Iodomethane	ug/L	20	16.6	83	10-164	
Methylene Chloride	ug/L	20	20.0	100	65-136	
Styrene	ug/L	20	18.2	91	70-130	
Tetrachloroethene	ug/L	20	19.8	99	64-134	
Toluene	ug/L	20	20.8	104	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.9	110	68-127	
trans-1,3-Dichloropropene	ug/L	20	20.8	104	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	19.5	98	42-129	
Trichloroethene	ug/L	20	21.3	107	70-130	
Trichlorofluoromethane	ug/L	20	19.3	96	65-135	
Vinyl acetate	ug/L	20	14.7	74	60-144	J(v3)
Vinyl chloride	ug/L	20	18.1	90	68-131	
Xylene (Total)	ug/L	60	58.4	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 3796998

Parameter	Units	35604616007 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	19.1	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	17.4	87	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	18.3	91	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	20.3	102	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	19.1	96	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	17.1	86	62-127	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	20	15.3	77	45-137	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	20	17.8	89	70-130	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.2	86	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	18.6	93	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	19.1	95	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	17.2	86	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	67.7	68	47-143	
2-Hexanone	ug/L	3.2 U	100	66.4	66	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	70.6	71	57-132	
Acetone	ug/L	5.3 U	100	76.0	74	46-148	
Acrylonitrile	ug/L	3.7 U	100	98.6	99	60-143	
Benzene	ug/L	0.30 U	20	19.9	99	70-130	
Bromochloromethane	ug/L	0.37 U	20	19.7	98	70-130	
Bromodichloromethane	ug/L	0.19 U	20	18.8	94	70-130	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

MATRIX SPIKE SAMPLE: 3796998

Parameter	Units	35604616007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	0.48 U	20	12.8	64	49-126	J(v3)
Bromomethane	ug/L	8.1 U	20	11.8	59	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	17.4	87	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	19.0	95	63-126	
Chlorobenzene	ug/L	0.35 U	20	18.3	92	70-130	
Chloroethane	ug/L	3.7 U	20	17.9	90	71-142	
Chloroform	ug/L	0.32 U	20	19.7	98	70-130	
Chloromethane	ug/L	0.43 U	20	17.9	90	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	19.5	98	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	15.9	80	70-130	
Dibromochloromethane	ug/L	0.45 U	20	18.2	91	62-118	
Dibromomethane	ug/L	0.68 U	20	17.8	89	70-130	
Ethylbenzene	ug/L	0.30 U	20	18.0	90	70-130	
Iodomethane	ug/L	9.3 U	20	12.0	60	10-164	
Methylene Chloride	ug/L	4.4 U	20	17.1	86	65-136	
Styrene	ug/L	0.26 U	20	15.4	77	70-130	
Tetrachloroethene	ug/L	0.38 U	20	17.6	88	64-134	
Toluene	ug/L	0.33 U	20	18.4	92	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	20.1	101	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	17.2	86	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	14.7	73	42-129	
Trichloroethene	ug/L	0.36 U	20	19.0	95	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	19.2	96	65-135	
Vinyl acetate	ug/L	1.8 U	20	15.5	77	60-144	J(v3)
Vinyl chloride	ug/L	0.39 U	20	17.9	89	68-131	
Xylene (Total)	ug/L	2.1 U	60	50.6	84	70-130	
1,2-Dichlorobenzene-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 3796997

Parameter	Units	35604616006 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-Dibromo-3-chloropropane	ug/L	1.9 U	1.9 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	0.31 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

SAMPLE DUPLICATE: 3796997

Parameter	Units	35604616006 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	J(v2)
Bromomethane	ug/L	8.1 U	8.1 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	0.32 U	0.32 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	9.3 U	9.3 U		40	
Methylene Chloride	ug/L	4.4 U	4.4 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	0.35 U	0.35 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)	%	103	105			
4-Bromofluorobenzene (S)	%	94	95		40	
Toluene-d8 (S)	%	99	99		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

QC Batch: 695553
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603183001, 35603183002, 35603183003, 35603183004, 35603183005

METHOD BLANK: 3786105 Matrix: Water
Associated Lab Samples: 35603183001, 35603183002, 35603183003, 35603183004, 35603183005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	01/12/21 04:29	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	01/12/21 04:29	

LABORATORY CONTROL SAMPLE: 3786106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.23	91	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.23	93	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786107 3786108

Parameter	Units	35603181001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0062 U	0.44	0.44	0.54	0.54	124	122	60-140	1	40	
1,2-Dibromoethane (EDB)	ug/L	0.0073 U	0.44	0.44	0.52	0.52	120	119	60-140	0	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

QC Batch: 695858 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603183001, 35603183002, 35603183003, 35603183004, 35603183005

METHOD BLANK: 3787826 Matrix: Water
Associated Lab Samples: 35603183001, 35603183002, 35603183003, 35603183004, 35603183005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	01/12/21 10:32	

LABORATORY CONTROL SAMPLE: 3787827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	303	101	90-110	

SAMPLE DUPLICATE: 3787828

Parameter	Units	35603193001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	639	661	3	10	

SAMPLE DUPLICATE: 3787829

Parameter	Units	35603196001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	694	678	2	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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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

QC Batch: 697978 | 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: 35603183001, 35603183002, 35603183003, 35603183004, 35603183005

METHOD BLANK: 3799568 Matrix: Water
Associated Lab Samples: 35603183001, 35603183002, 35603183003, 35603183004, 35603183005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	01/19/21 14:57	

LABORATORY CONTROL SAMPLE: 3799569

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.9	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3799570 3799571

Parameter	Units	35603183001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.5 U	50	50	49.8	51.0	96	98	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3799572 3799573

Parameter	Units	35603183003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	21.1	50	50	71.4	75.9	101	110	90-110	6	20	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

QC Batch: 695980
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: 35603183001, 35603183002, 35603183003, 35603183004, 35603183005

METHOD BLANK: 3788254 Matrix: Water
Associated Lab Samples: 35603183001, 35603183002, 35603183003, 35603183004, 35603183005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	01/12/21 16:33	

LABORATORY CONTROL SAMPLE: 3788255

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: 3788257 3788256

Parameter	Units	35603030006 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	32.6	5	5	36.8	37.4	83	96	90-110	2	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3788258 3788259

Parameter	Units	35603183004 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	0.50	1	1	1.5	1.6	105	106	90-110	1	20	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

QC Batch: 695220
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: 35603183003

METHOD BLANK: 3784224 Matrix: Water
Associated Lab Samples: 35603183003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/08/21 17:14	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

QC Batch: 695222
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: 35603183001, 35603183002

METHOD BLANK: 3784238 Matrix: Water
Associated Lab Samples: 35603183001, 35603183002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/08/21 17:47	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

QC Batch: 695331
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: 35603183004, 35603183005

METHOD BLANK: 3785289 Matrix: Water
Associated Lab Samples: 35603183004, 35603183005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/09/21 12:33	

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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Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

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.

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.
J(M0)	Estimated Value. Matrix spike recovery was outside laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35603183002	**B37-1**				
35603183003	**B37-2**				
35603183004	**B42-1**				
35603183005	**B42-2**				
35603183001	**EQ Blank 1/8/21**	EPA 8011	695553	EPA 8011	695727
35603183002	**B37-1**	EPA 8011	695553	EPA 8011	695727
35603183003	**B37-2**	EPA 8011	695553	EPA 8011	695727
35603183004	**B42-1**	EPA 8011	695553	EPA 8011	695727
35603183005	**B42-2**	EPA 8011	695553	EPA 8011	695727
35603183001	**EQ Blank 1/8/21**	EPA 3010	695945	EPA 6010	696097
35603183002	**B37-1**	EPA 3010	695945	EPA 6010	696097
35603183003	**B37-2**	EPA 3010	695945	EPA 6010	696097
35603183004	**B42-1**	EPA 3010	695945	EPA 6010	696097
35603183005	**B42-2**	EPA 3010	695945	EPA 6010	696097
35603183001	**EQ Blank 1/8/21**	EPA 3010	695942	EPA 6020	696096
35603183002	**B37-1**	EPA 3010	695942	EPA 6020	696096
35603183003	**B37-2**	EPA 3010	695942	EPA 6020	696096
35603183004	**B42-1**	EPA 3010	695942	EPA 6020	696096
35603183005	**B42-2**	EPA 3010	695942	EPA 6020	696096
35603183001	**EQ Blank 1/8/21**	EPA 7470	695870	EPA 7470	695978
35603183002	**B37-1**	EPA 7470	695870	EPA 7470	695978
35603183003	**B37-2**	EPA 7470	695870	EPA 7470	695978
35603183004	**B42-1**	EPA 7470	695870	EPA 7470	695978
35603183005	**B42-2**	EPA 7470	695870	EPA 7470	695978
35603183001	**EQ Blank 1/8/21**	EPA 8260	695809		
35603183002	**B37-1**	EPA 8260	695809		
35603183003	**B37-2**	EPA 8260	695809		
35603183004	**B42-1**	EPA 8260	695809		
35603183005	**B42-2**	EPA 8260	695809		
35603183006	**Trip Blank 1/8/21**	EPA 8260	697369		
35603183001	**EQ Blank 1/8/21**	SM 2540C	695858		
35603183002	**B37-1**	SM 2540C	695858		
35603183003	**B37-2**	SM 2540C	695858		
35603183004	**B42-1**	SM 2540C	695858		
35603183005	**B42-2**	SM 2540C	695858		
35603183001	**EQ Blank 1/8/21**	EPA 300.0	697978		
35603183002	**B37-1**	EPA 300.0	697978		
35603183003	**B37-2**	EPA 300.0	697978		
35603183004	**B42-1**	EPA 300.0	697978		
35603183005	**B42-2**	EPA 300.0	697978		
35603183001	**EQ Blank 1/8/21**	EPA 350.1	695980		
35603183002	**B37-1**	EPA 350.1	695980		
35603183003	**B37-2**	EPA 350.1	695980		
35603183004	**B42-1**	EPA 350.1	695980		

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603183

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35603183005	**B42-2**	EPA 350.1	695980		
35603183001	**EQ Blank 1/8/21**	EPA 353.2	695222		
35603183002	**B37-1**	EPA 353.2	695222		
35603183003	**B37-2**	EPA 353.2	695220		
35603183004	**B42-1**	EPA 353.2	695331		
35603183005	**B42-2**	EPA 353.2	695331		

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WO# : 35603183

35603183

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section B
Required Project Information:

Company:	Volusia County Solid Waste Management
Address:	1990 Tomoka Farms Road
	Port Orange, FL 32128
Email:	jstirk@volusia.org
Phone:	(386)947-2952 Fax:
Requested Due Date:	
Report To:	Jennifer Stirk
Copy To:	
Purchase Order #:	
Project Name:	Tomoka LF Semi-annual MWs
Project #:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	jeff.baylor@pacelabs.com,
Pace Profile #:	1590, Line 1

Regulatory Agency

State / Location

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	TDS, NO3, Cl	ammonia	Metals by 6010/6020/Hg	EDB 8011	8260 VOCs Full List	Trip Blank DO NOT OPEN -	Residual Chlorine (Y/N)
1	EQ					1-8-21	0915												Y	Y	Y	Y	Y		
2	B 37-1						1016																		
3	B 37-2						1043																		
4	B 42-1						1125																		
5	B 42-2						1145																		
6	TRIP BLANK						0000																	✓	
7																									
8																									
9																									
10																									
11																									
12																									

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Empty Bottles	RR Bottle Prep	11/9/20	1006				
	Jw Lu / pace	1-8-21	1258	SMK/PACE	1-8-21	1258	Y N N Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jw Lu

SIGNATURE of SAMPLER: Jw Lu

DATE Signed: 1-8-21

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Upon Receipt Form (SCUR)

WO# : 35603183

PM: JSB Due Date: 01/22/21

CLIENT: VOLDPW

Project #

Project Manager:

Client:

Date and Initials of person:
Examining contents: SMA
Label:
Deliver:
pH:

Thermometer Used: T-337 Date: 1/8/21 Time: 1257 Initials: KMF

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

Cooler #1 Temp.°C	2.1 (Visual)	0.0 (Correction Factor)	2.1 (Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun

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

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

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

Tracking #

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

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

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

Comments:

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

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Stm; Annual
WELL NO:	EQ	SAMPLE ID:	EQ
DATE:	1-8-21		

PURGING DATA

WELL DIAMETER (inches):	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)

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

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

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

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

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

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

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0915	SAMPLING ENDED AT:
DAVID ICE / PACE			

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)
	1	PE	1000	ICE			TDS, NO3, Cl	APP	240
	1	1	250	HNO3			6010 6020 Hg		
	1		,	H2SO4			NH3		
	2	CG	40	ICE			EDB 8011		
	3	1	,	HCl			8260 Full List		

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

AND BS/3D STUDY

SITE NAME:	Volusia County Solid WASTE	SITE LOCATION:	Tomoka LF Stn. Annual mnts
WELL NO:	B 37-1	SAMPLE ID: B 37-1	DATE: 1-8-21

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		.93	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (37.75 feet – .93 feet) X 0.16 gallons/foot = 5.8912 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):
3	3	9 25	1016	9.18

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)
0958	5.94	5.94	.18	2.10	6.97	22.23	1840	0.73	2.92	Yellow	Sulfur
1007	1.62	7.56	.18	2.10	6.99	22.19	1876	0.73	7.58	1	1
1016	1.62	9.18	.18	2.10	6.97	22.15	1916	0.73	7.03	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:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
DAVID ICE / PACE		1016	1020

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
3	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)
	1	PB	1000	ICE		6.97	TDS, NO3, Cl	APP	400
	1	1	250	HNO3		<2	6010, 6020, Hg	/	/
	1	1	1	H2SO4		<2	NH3		
	2	CG	40	ICE		6.97	EDB 8011		
	3	1	1	HCl		<2	8260 Full List		

REMARKS: ORP -76.4 ORP -75.4 ORP -77.6

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Surf. Aquifer MW's	
WELL NO: B 32-2	SAMPLE ID: B 32-2	DATE: 1-8-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): .88	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)

= (16.82 feet – .88 feet) X 0.16 gallons/foot = 2.5504 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): 3	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 3	PURGING INITIATED AT: 1025	PURGING ENDED AT: 1043	TOTAL VOLUME PURGED (gallons): 3.86

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	2.64	2.64	.22	2.28	6.99	19.86	348	1.17	8.98	Yellow	Sulfur
1040	0.66	3.30	.22	2.28	6.88	19.94	350	0.99	3.43	1	1
1043	0.66	3.96	.22	2.28	6.98	19.96	350	0.93	2.67	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: DAVID I CK / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1043	SAMPLING ENDED AT: 1047
PUMP OR TUBING DEPTH IN WELL (feet): 3	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE 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)
	1	PE	1000	ICE		6.98	TDS, NO3, Cl	APP	240
	1	1	250	HNO_3		<2	6010 6020 Hg	1	1
	1	1	1	H_2SO_4		<2	NH_3		
	2	CG	40	ICE		6.98	EDB 8011		
	3	1	1	HCl		<2	8260 FULL LIST		

REMARKS: ORP -18.7 ORP -20.0 ORP -34.8

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Stmj Ammonia Mw's
WELL NO: B 42-1	SAMPLE ID: B 42-1
	DATE: 1-8-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.38	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (31.65 feet – 6.38 feet) X .016 gallons/foot = 4.0432 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9	PURGING INITIATED AT: 1057	PURGING ENDED AT: 1125	TOTAL VOLUME PURGED (gallons): 6.38

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	4.18	4.18	.22	8.63	575	22.4	842	0.97	2.84	Yellow	Sulfur
1120	1.1	5.28	.22	8.63	574	22.3	832	0.89	3.05	/	/
1125	1.1	6.38	.22	8.63	572	22.4	855	0.53	2.61	/	/

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1125	SAMPLING ENDED AT: 1129
PUMP OR TUBING DEPTH IN WELL (feet): 9	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
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)
	1	PE	1000	ICE		5.22	TDS, NO3, Cl	APP	< 400
	1	/	250	H_2SO_4		< 2	LOW LOW HG	/	/
	1	/	/	H_2SO_4		< 2	NH3	/	/
	2	CG	40	ICE		5.22	EPA 8011	/	/
	3	/	/	HCl		< 2	8260 Full List	/	/

REMARKS: ORP -108.8 ORP -117.2 ORP -120.2

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)

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi Annual MW's	
WELL NO: B 42-2	SAMPLE ID: B 42-2	DATE: 1-8-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.25	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.90 feet – 4.25 feet) X 0.16 gallons/foot = 1.704 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5	PURGING INITIATED AT: 1133	PURGING ENDED AT: 1145	TOTAL VOLUME PURGED (gallons): 2.76

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)
1141	1.84	1.84	.23	4.72	5.93	19.9	467.3	0.35	3.53	Yellow	Sulfur
1143	.46	2.30	.23	4.72	5.93	19.9	480.6	0.32	2.30	/	/
1145	.46	2.76	.23	4.72	5.93	19.9	492.0	0.31	2.15	/	/

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: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1145	SAMPLING ENDED AT: 1145
PUMP OR TUBING DEPTH IN WELL (feet): 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)
	1	PE	1000	ICE			TDS, NO3, Cl	APP	<400
	1	1	250	HNO_3			6010, 6020, Hg	1	1
	1	1	1	H_2SO_4			NH_3	1	1
	2	CG	40	ICE			EPA 8011	1	1
	3	1	1	HCl			8260 Full List	1	1

REMARKS: ORP -117.4 ORP -118.5 ORP 118.9

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 2200-3); 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
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

January 22, 2021

Ms. Jennifer Stirk
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Port Orange, FL 32128

RE: Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Dear Ms. Stirk:

Enclosed are the analytical results for sample(s) received by the laboratory on January 09, 2021. 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,

Jeff Baylor

Jeff Baylor
jeff.baylor@pacelabs.com
(386)672-5668
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.

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

CERTIFICATIONS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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

SAMPLE SUMMARY

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35603464001	**EQ Blank 1/9/21**	Water	01/09/21 08:31	01/09/21 12:10
35603464002	**B70-1**	Water	01/09/21 09:24	01/09/21 12:10
35603464003	**B70-2**	Water	01/09/21 10:02	01/09/21 12:10
35603464004	**B45-2**	Water	01/09/21 10:39	01/09/21 12:10
35603464005	**B44**	Water	01/09/21 11:20	01/09/21 12:10
35603464006	**Trip Blank 1/9/21**	Water	01/09/21 00:00	01/09/21 12:10

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

SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35603464001	**EQ Blank 1/9/21**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS3	14	PASI-O
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603464002	**B70-1**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS3	14	PASI-O
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603464003	**B70-2**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS3	14	PASI-O
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603464004	**B45-2**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS3, KPP	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603464005	**B44**	EPA 8011	TSW	2	PASI-O

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

SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	CS3	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603464006	**Trip Blank 1/9/21**	EPA 8260	SK1	50	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35603464001	**EQ Blank 1/9/21**					
EPA 6010	Barium	4.7 I	ug/L	10.0	01/12/21 09:09	
EPA 6010	Chromium	3.0 I	ug/L	5.0	01/12/21 09:09	
EPA 6010	Iron	239	ug/L	40.0	01/12/21 09:09	
EPA 6010	Vanadium	1.5 I	ug/L	10.0	01/12/21 09:09	
SM 2540C	Total Dissolved Solids	5.0	mg/L	5.0	01/12/21 10:34	
35603464002	**B70-1**					
	Field pH	6.51	Std. Units		01/09/21 09:24	
	Field Temperature	22.4	deg C		01/09/21 09:24	
	Appearance	Color: yellow, Sheen: none			01/09/21 09:24	
	Field Specific Conductance	177	umhos/cm		01/09/21 09:24	
	Oxygen, Dissolved	5.23	mg/L		01/09/21 09:24	
	REDOX	114.6	mV		01/09/21 09:24	
	Turbidity	9.85	NTU		01/09/21 09:24	
	Water Level(NGVD)	24.81	feet		01/09/21 09:24	
EPA 6010	Barium	26.0	ug/L	10.0	01/12/21 09:13	
EPA 6010	Iron	3240	ug/L	40.0	01/12/21 09:13	
EPA 6010	Sodium	22.8	mg/L	2.0	01/12/21 09:13	
EPA 6020	Arsenic	0.87 I	ug/L	1.0	01/12/21 12:51	
SM 2540C	Total Dissolved Solids	169	mg/L	5.0	01/12/21 10:34	
EPA 300.0	Chloride	21.9	mg/L	5.0	01/21/21 01:19	
35603464003	**B70-2**					
	Field pH	6.99	Std. Units		01/09/21 10:02	
	Field Temperature	20.0	deg C		01/09/21 10:02	
	Appearance	Color: yellow, Sheen: none			01/09/21 10:02	
	Field Specific Conductance	334	umhos/cm		01/09/21 10:02	
	Oxygen, Dissolved	1.54	mg/L		01/09/21 10:02	
	REDOX	100.5	mV		01/09/21 10:02	
	Turbidity	3.85	NTU		01/09/21 10:02	
	Water Level(NGVD)	25.40	feet		01/09/21 10:02	
EPA 6010	Barium	31.3	ug/L	10.0	01/12/21 09:16	
EPA 6010	Iron	386	ug/L	40.0	01/12/21 09:16	
EPA 6010	Sodium	5.9	mg/L	2.0	01/12/21 09:16	
EPA 6010	Vanadium	5.2 I	ug/L	10.0	01/12/21 09:16	
EPA 6020	Arsenic	0.89 I	ug/L	1.0	01/12/21 12:52	
SM 2540C	Total Dissolved Solids	276	mg/L	5.0	01/12/21 10:34	
EPA 300.0	Chloride	6.7	mg/L	5.0	01/21/21 01:41	
EPA 353.2	Nitrogen, Nitrate	1.0	mg/L	0.050	01/09/21 16:31	
35603464004	**B45-2**					
	Field pH	5.74	Std. Units		01/09/21 10:39	
	Field Temperature	19.8	deg C		01/09/21 10:39	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35603464004	**B45-2**					
	Appearance	Color: yellow, Sheen: none			01/09/21 10:39	
	Field Specific Conductance	847	umhos/cm		01/09/21 10:39	
	Oxygen, Dissolved	1.22	mg/L		01/09/21 10:39	
	REDOX	27.1	mV		01/09/21 10:39	
	Turbidity	14.0	NTU		01/09/21 10:39	
	Water Level(NGVD)	23.76	feet		01/09/21 10:39	
EPA 6010	Barium	128	ug/L	10.0	01/12/21 09:19	
EPA 6010	Iron	53700	ug/L	400	01/12/21 23:14	
EPA 6010	Nickel	5.8	ug/L	5.0	01/12/21 09:19	
EPA 6010	Sodium	81.9	mg/L	2.0	01/12/21 09:19	
EPA 6010	Vanadium	19.6	ug/L	10.0	01/12/21 09:19	
EPA 6020	Arsenic	6.5	ug/L	1.0	01/13/21 14:55	
EPA 8260	Benzene	5.4	ug/L	1.0	01/12/21 07:51	
SM 2540C	Total Dissolved Solids	588	mg/L	5.0	01/12/21 10:34	
EPA 300.0	Chloride	211	mg/L	25.0	01/21/21 08:42	
EPA 350.1	Nitrogen, Ammonia	0.16	mg/L	0.050	01/13/21 14:48	
35603464005	**B44**					
	Field pH	6.00	Std. Units		01/09/21 11:20	
	Field Temperature	20.1	deg C		01/09/21 11:20	
	Appearance	Color: yellow, Sheen: none			01/09/21 11:20	
	Field Specific Conductance	156	umhos/cm		01/09/21 11:20	
	Oxygen, Dissolved	0.92	mg/L		01/09/21 11:20	
	REDOX	57.6	mV		01/09/21 11:20	
	Turbidity	15.1	NTU		01/09/21 11:20	
	Water Level(NGVD)	23.44	feet		01/09/21 11:20	
EPA 6010	Barium	13.8	ug/L	10.0	01/12/21 09:22	
EPA 6010	Chromium	3.6 I	ug/L	5.0	01/12/21 09:22	
EPA 6010	Iron	8910	ug/L	40.0	01/12/21 09:22	
EPA 6010	Sodium	23.0	mg/L	2.0	01/12/21 09:22	
EPA 6010	Vanadium	16.1	ug/L	10.0	01/12/21 09:22	
EPA 6020	Arsenic	1.7	ug/L	1.0	01/13/21 14:57	
SM 2540C	Total Dissolved Solids	144	mg/L	5.0	01/12/21 10:34	
EPA 300.0	Chloride	29.1	mg/L	5.0	01/21/21 03:54	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Sample: EQ Blank 1/9/21 **Lab ID: 35603464001** Collected: 01/09/21 08:31 Received: 01/09/21 12:10 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	**0.0064 U**	ug/L	0.020	0.0064	1	01/11/21 12:19	01/12/21 07:29	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.0099	0.0075	1	01/11/21 12:19	01/12/21 07:29	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**4.7 I**	ug/L	10.0	0.84	1	01/11/21 08:44	01/12/21 09:09	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/11/21 08:44	01/12/21 09:09	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/11/21 08:44	01/12/21 09:09	7440-43-9	
Chromium	**3.0 I**	ug/L	5.0	1.7	1	01/11/21 08:44	01/12/21 09:09	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/11/21 08:44	01/12/21 09:09	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/11/21 08:44	01/12/21 09:09	7440-50-8	
Iron	**239**	ug/L	40.0	25.0	1	01/11/21 08:44	01/12/21 09:09	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/11/21 08:44	01/12/21 09:09	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/11/21 08:44	01/12/21 09:09	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/11/21 08:44	01/12/21 09:09	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/11/21 08:44	01/12/21 09:09	7440-22-4	
Sodium	**0.54 U**	mg/L	2.0	0.54	1	01/11/21 08:44	01/12/21 09:09	7440-23-5	
Vanadium	**1.5 I**	ug/L	10.0	1.0	1	01/11/21 08:44	01/12/21 09:09	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/11/21 08:44	01/12/21 09:09	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/11/21 08:44	01/12/21 12:49	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/11/21 08:44	01/12/21 12:49	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/11/21 08:44	01/12/21 12:49	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/12/21 09:52	01/19/21 11:20	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/12/21 03:24	67-64-1	J(v1),L3
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/12/21 03:24	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 03:24	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 03:24	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/12/21 03:24	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/12/21 03:24	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/12/21 03:24	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/12/21 03:24	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 03:24	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/12/21 03:24	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 03:24	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/12/21 03:24	75-00-3	J(v1),L3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Sample: EQ Blank 1/9/21 **Lab ID: 35603464001** Collected: 01/09/21 08:31 Received: 01/09/21 12:10 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	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 03:24	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/12/21 03:24	74-87-3	J(v1),L3
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/12/21 03:24	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/12/21 03:24	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/12/21 03:24	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/12/21 03:24	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/12/21 03:24	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/12/21 03:24	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 03:24	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 03:24	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 03:24	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 03:24	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 03:24	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/12/21 03:24	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 03:24	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 03:24	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/12/21 03:24	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/12/21 03:24	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/12/21 03:24	75-09-2	J(v1),L3
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/12/21 03:24	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/12/21 03:24	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 03:24	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 03:24	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/12/21 03:24	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/12/21 03:24	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 03:24	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 03:24	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/12/21 03:24	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 03:24	75-69-4	J(v1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/12/21 03:24	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 03:24	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/12/21 03:24	75-01-4	J(v1),L3
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/12/21 03:24	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/12/21 03:24	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		01/12/21 03:24	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		01/12/21 03:24	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**5.0**	mg/L	5.0	5.0	1		01/12/21 10:34		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		01/21/21 00:57	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Sample: EQ Blank 1/9/21 **Lab ID: 35603464001** Collected: 01/09/21 08:31 Received: 01/09/21 12:10 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	**0.035 U**	mg/L	0.050	0.035	1		01/13/21 14:43	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		01/09/21 16:29	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Sample: B70-1 **Lab ID: 35603464002** Collected: 01/09/21 09:24 Received: 01/09/21 12:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.51**	Std. Units			1		01/09/21 09:24		
Field Temperature	**22.4**	deg C			1		01/09/21 09:24		
Appearance	**Color: yellow, Sheen: none**				1		01/09/21 09:24		
Field Specific Conductance	**177**	umhos/cm			1		01/09/21 09:24		
Oxygen, Dissolved	**5.23**	mg/L			1		01/09/21 09:24	7782-44-7	
REDOX	**114.6**	mV			1		01/09/21 09:24		
Turbidity	**9.85**	NTU			1		01/09/21 09:24		
Water Level(NGVD)	**24.81**	feet			1		01/09/21 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	**0.0062 U**	ug/L	0.019	0.0062	1	01/11/21 12:19	01/12/21 07:44	96-12-8	
1,2-Dibromoethane (EDB)	**0.0072 U**	ug/L	0.0096	0.0072	1	01/11/21 12:19	01/12/21 07:44	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**26.0**	ug/L	10.0	0.84	1	01/11/21 08:44	01/12/21 09:13	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/11/21 08:44	01/12/21 09:13	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/11/21 08:44	01/12/21 09:13	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/11/21 08:44	01/12/21 09:13	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/11/21 08:44	01/12/21 09:13	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/11/21 08:44	01/12/21 09:13	7440-50-8	
Iron	**3240**	ug/L	40.0	25.0	1	01/11/21 08:44	01/12/21 09:13	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/11/21 08:44	01/12/21 09:13	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/11/21 08:44	01/12/21 09:13	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/11/21 08:44	01/12/21 09:13	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/11/21 08:44	01/12/21 09:13	7440-22-4	
Sodium	**22.8**	mg/L	2.0	0.54	1	01/11/21 08:44	01/12/21 09:13	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	01/11/21 08:44	01/12/21 09:13	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/11/21 08:44	01/12/21 09:13	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	01/11/21 08:44	01/12/21 12:51	7440-36-0	
Arsenic	**0.87 I**	ug/L	1.0	0.50	1	01/11/21 08:44	01/12/21 12:51	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/11/21 08:44	01/12/21 12:51	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/12/21 09:52	01/19/21 11:23	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Sample: B70-1 **Lab ID: 35603464002** Collected: 01/09/21 09:24 Received: 01/09/21 12:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/12/21 06:58	67-64-1	J(v1),L3
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/12/21 06:58	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 06:58	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 06:58	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/12/21 06:58	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/12/21 06:58	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/12/21 06:58	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/12/21 06:58	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 06:58	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/12/21 06:58	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 06:58	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/12/21 06:58	75-00-3	J(v1),L3
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 06:58	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/12/21 06:58	74-87-3	J(v1),L3
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/12/21 06:58	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/12/21 06:58	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/12/21 06:58	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/12/21 06:58	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/12/21 06:58	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/12/21 06:58	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 06:58	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 06:58	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 06:58	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 06:58	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 06:58	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/12/21 06:58	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 06:58	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 06:58	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/12/21 06:58	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/12/21 06:58	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/12/21 06:58	75-09-2	J(v1),L3
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/12/21 06:58	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/12/21 06:58	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 06:58	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 06:58	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/12/21 06:58	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/12/21 06:58	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 06:58	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 06:58	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/12/21 06:58	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 06:58	75-69-4	J(v1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/12/21 06:58	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 06:58	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/12/21 06:58	75-01-4	J(v1),L3
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/12/21 06:58	1330-20-7	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Sample: B70-1 **Lab ID: 35603464002** Collected: 01/09/21 09:24 Received: 01/09/21 12:10 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)	101	%	70-130		1		01/12/21 06:58	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		01/12/21 06:58	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		01/12/21 06:58	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**169**	mg/L	5.0	5.0	1		01/12/21 10:34		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**21.9**	mg/L	5.0	2.5	1		01/21/21 01:19	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		01/13/21 14:44	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		01/09/21 16:30	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Sample: B70-2 **Lab ID: 35603464003** Collected: 01/09/21 10:02 Received: 01/09/21 12:10 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		01/09/21 10:02		
Field Temperature	**20.0**	deg C			1		01/09/21 10:02		
Appearance	**Color: yellow, Sheen: none**				1		01/09/21 10:02		
Field Specific Conductance	**334**	umhos/cm			1		01/09/21 10:02		
Oxygen, Dissolved	**1.54**	mg/L			1		01/09/21 10:02	7782-44-7	
REDOX	**100.5**	mV			1		01/09/21 10:02		
Turbidity	**3.85**	NTU			1		01/09/21 10:02		
Water Level(NGVD)	**25.40**	feet			1		01/09/21 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	**0.0063 U**	ug/L	0.020	0.0063	1	01/11/21 12:19	01/12/21 08:00	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0099	0.0074	1	01/11/21 12:19	01/12/21 08:00	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**31.3**	ug/L	10.0	0.84	1	01/11/21 08:44	01/12/21 09:16	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/11/21 08:44	01/12/21 09:16	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/11/21 08:44	01/12/21 09:16	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/11/21 08:44	01/12/21 09:16	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/11/21 08:44	01/12/21 09:16	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/11/21 08:44	01/12/21 09:16	7440-50-8	
Iron	**386**	ug/L	40.0	25.0	1	01/11/21 08:44	01/12/21 09:16	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/11/21 08:44	01/12/21 09:16	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/11/21 08:44	01/12/21 09:16	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/11/21 08:44	01/12/21 09:16	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/11/21 08:44	01/12/21 09:16	7440-22-4	
Sodium	**5.9**	mg/L	2.0	0.54	1	01/11/21 08:44	01/12/21 09:16	7440-23-5	
Vanadium	**5.2 I**	ug/L	10.0	1.0	1	01/11/21 08:44	01/12/21 09:16	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/11/21 08:44	01/12/21 09:16	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/11/21 08:44	01/12/21 12:52	7440-36-0	
Arsenic	**0.89 I**	ug/L	1.0	0.50	1	01/11/21 08:44	01/12/21 12:52	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/11/21 08:44	01/12/21 12:52	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/12/21 09:52	01/19/21 11:25	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Sample: B70-2 **Lab ID: 35603464003** Collected: 01/09/21 10:02 Received: 01/09/21 12:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/12/21 07:25	67-64-1	J(v1),L3
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/12/21 07:25	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 07:25	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 07:25	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/12/21 07:25	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/12/21 07:25	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/12/21 07:25	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/12/21 07:25	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 07:25	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/12/21 07:25	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 07:25	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/12/21 07:25	75-00-3	J(v1),L3
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 07:25	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/12/21 07:25	74-87-3	J(v1),L3
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/12/21 07:25	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/12/21 07:25	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/12/21 07:25	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/12/21 07:25	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/12/21 07:25	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/12/21 07:25	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 07:25	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 07:25	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 07:25	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 07:25	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 07:25	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/12/21 07:25	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 07:25	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 07:25	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/12/21 07:25	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/12/21 07:25	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/12/21 07:25	75-09-2	J(v1),L3
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/12/21 07:25	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/12/21 07:25	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 07:25	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 07:25	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/12/21 07:25	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/12/21 07:25	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 07:25	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 07:25	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/12/21 07:25	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 07:25	75-69-4	J(v1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/12/21 07:25	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 07:25	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/12/21 07:25	75-01-4	J(v1),L3
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/12/21 07:25	1330-20-7	

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Sample: B70-2 **Lab ID: 35603464003** Collected: 01/09/21 10:02 Received: 01/09/21 12:10 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)	129	%	70-130		1		01/12/21 07:25	460-00-4	
Toluene-d8 (S)	104	%	70-130		1		01/12/21 07:25	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		01/12/21 07:25	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**276**	mg/L	5.0	5.0	1		01/12/21 10:34		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**6.7**	mg/L	5.0	2.5	1		01/21/21 01:41	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		01/13/21 14:46	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**1.0**	mg/L	0.050	0.025	1		01/09/21 16:31	14797-55-8	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Sample: B45-2 **Lab ID: 35603464004** Collected: 01/09/21 10:39 Received: 01/09/21 12:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**5.74**	Std. Units			1		01/09/21 10:39		
Field Temperature	**19.8**	deg C			1		01/09/21 10:39		
Appearance	**Color: yellow, Sheen: none**				1		01/09/21 10:39		
Field Specific Conductance	**847**	umhos/cm			1		01/09/21 10:39		
Oxygen, Dissolved	**1.22**	mg/L			1		01/09/21 10:39	7782-44-7	
REDOX	**27.1**	mV			1		01/09/21 10:39		
Turbidity	**14.0**	NTU			1		01/09/21 10:39		
Water Level(NGVD)	**23.76**	feet			1		01/09/21 10:39		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0063 U**	ug/L	0.020	0.0063	1	01/11/21 12:19	01/12/21 08:14	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0099	0.0074	1	01/11/21 12:19	01/12/21 08:14	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	01/11/21 08:44	01/12/21 09:19	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/11/21 08:44	01/12/21 09:19	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/11/21 08:44	01/12/21 09:19	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/11/21 08:44	01/12/21 09:19	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/11/21 08:44	01/12/21 09:19	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/11/21 08:44	01/12/21 09:19	7440-50-8	
Iron	**53700**	ug/L	400	250	10	01/11/21 08:44	01/12/21 23:14	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/11/21 08:44	01/12/21 09:19	7439-92-1	
Nickel	**5.8**	ug/L	5.0	2.1	1	01/11/21 08:44	01/12/21 09:19	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/11/21 08:44	01/12/21 09:19	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/11/21 08:44	01/12/21 09:19	7440-22-4	
Sodium	**81.9**	mg/L	2.0	0.54	1	01/11/21 08:44	01/12/21 09:19	7440-23-5	
Vanadium	**19.6**	ug/L	10.0	1.0	1	01/11/21 08:44	01/12/21 09:19	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/11/21 08:44	01/12/21 09:19	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/11/21 08:44	01/13/21 14:55	7440-36-0	
Arsenic	**6.5**	ug/L	1.0	0.50	1	01/11/21 08:44	01/13/21 14:55	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/11/21 08:44	01/13/21 14:55	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/12/21 09:52	01/19/21 11:27	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Sample: B45-2 **Lab ID: 35603464004** Collected: 01/09/21 10:39 Received: 01/09/21 12:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/12/21 07:51	67-64-1	J(v1),L3
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/12/21 07:51	107-13-1	
Benzene	**5.4**	ug/L	1.0	0.30	1		01/12/21 07:51	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 07:51	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/12/21 07:51	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/12/21 07:51	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/12/21 07:51	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/12/21 07:51	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 07:51	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/12/21 07:51	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 07:51	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/12/21 07:51	75-00-3	J(v1),L3
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 07:51	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/12/21 07:51	74-87-3	J(v1),L3
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/12/21 07:51	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/12/21 07:51	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/12/21 07:51	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/12/21 07:51	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/12/21 07:51	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/12/21 07:51	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 07:51	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 07:51	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 07:51	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 07:51	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 07:51	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/12/21 07:51	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 07:51	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 07:51	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/12/21 07:51	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/12/21 07:51	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/12/21 07:51	75-09-2	J(v1),L3
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/12/21 07:51	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/12/21 07:51	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 07:51	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 07:51	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/12/21 07:51	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/12/21 07:51	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 07:51	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 07:51	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/12/21 07:51	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 07:51	75-69-4	J(v1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/12/21 07:51	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 07:51	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/12/21 07:51	75-01-4	J(v1),L3
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/12/21 07:51	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Sample: B45-2 **Lab ID: 35603464004** Collected: 01/09/21 10:39 Received: 01/09/21 12:10 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)	102	%	70-130		1		01/12/21 07:51	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		01/12/21 07:51	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/12/21 07:51	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**588**	mg/L	5.0	5.0	1		01/12/21 10:34		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**211**	mg/L	25.0	12.5	5		01/21/21 08:42	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.16**	mg/L	0.050	0.035	1		01/13/21 14:48	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.25 U**	mg/L	0.50	0.25	10		01/09/21 17:21	14797-55-8	D3

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Sample: B44 **Lab ID: 35603464005** Collected: 01/09/21 11:20 Received: 01/09/21 12:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.00**	Std. Units			1		01/09/21 11:20		
Field Temperature	**20.1**	deg C			1		01/09/21 11:20		
Appearance	**Color: yellow, Sheen: none**				1		01/09/21 11:20		
Field Specific Conductance	**156**	umhos/cm			1		01/09/21 11:20		
Oxygen, Dissolved	**0.92**	mg/L			1		01/09/21 11:20	7782-44-7	
REDOX	**57.6**	mV			1		01/09/21 11:20		
Turbidity	**15.1**	NTU			1		01/09/21 11:20		
Water Level(NGVD)	**23.44**	feet			1		01/09/21 11:20		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0062 U**	ug/L	0.019	0.0062	1	01/11/21 12:19	01/12/21 08:29	96-12-8	
1,2-Dibromoethane (EDB)	**0.0073 U**	ug/L	0.0097	0.0073	1	01/11/21 12:19	01/12/21 08:29	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**13.8**	ug/L	10.0	0.84	1	01/11/21 08:44	01/12/21 09:22	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/11/21 08:44	01/12/21 09:22	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/11/21 08:44	01/12/21 09:22	7440-43-9	
Chromium	**3.6 I**	ug/L	5.0	1.7	1	01/11/21 08:44	01/12/21 09:22	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/11/21 08:44	01/12/21 09:22	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/11/21 08:44	01/12/21 09:22	7440-50-8	
Iron	**8910**	ug/L	40.0	25.0	1	01/11/21 08:44	01/12/21 09:22	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/11/21 08:44	01/12/21 09:22	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/11/21 08:44	01/12/21 09:22	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/11/21 08:44	01/12/21 09:22	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/11/21 08:44	01/12/21 09:22	7440-22-4	
Sodium	**23.0**	mg/L	2.0	0.54	1	01/11/21 08:44	01/12/21 09:22	7440-23-5	
Vanadium	**16.1**	ug/L	10.0	1.0	1	01/11/21 08:44	01/12/21 09:22	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/11/21 08:44	01/12/21 09:22	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	01/11/21 08:44	01/13/21 14:57	7440-36-0	
Arsenic	**1.7**	ug/L	1.0	0.50	1	01/11/21 08:44	01/13/21 14:57	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/11/21 08:44	01/13/21 14:57	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/18/21 12:30	01/20/21 12:00	7439-97-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Sample: B44 **Lab ID: 35603464005** Collected: 01/09/21 11:20 Received: 01/09/21 12:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/12/21 08:18	67-64-1	J(v1),L3
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/12/21 08:18	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 08:18	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 08:18	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/12/21 08:18	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/12/21 08:18	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/12/21 08:18	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/12/21 08:18	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 08:18	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/12/21 08:18	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 08:18	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/12/21 08:18	75-00-3	J(v1),L3
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 08:18	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/12/21 08:18	74-87-3	J(v1),L3
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/12/21 08:18	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/12/21 08:18	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/12/21 08:18	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/12/21 08:18	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/12/21 08:18	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/12/21 08:18	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 08:18	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 08:18	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 08:18	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 08:18	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 08:18	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/12/21 08:18	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 08:18	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 08:18	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/12/21 08:18	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/12/21 08:18	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/12/21 08:18	75-09-2	J(v1),L3
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/12/21 08:18	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/12/21 08:18	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 08:18	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 08:18	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/12/21 08:18	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/12/21 08:18	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 08:18	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 08:18	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/12/21 08:18	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 08:18	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/12/21 08:18	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 08:18	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/12/21 08:18	75-01-4	J(v1),L3
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/12/21 08:18	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Sample: B44 **Lab ID: 35603464005** Collected: 01/09/21 11:20 Received: 01/09/21 12:10 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)	99	%	70-130		1		01/12/21 08:18	460-00-4	
Toluene-d8 (S)	104	%	70-130		1		01/12/21 08:18	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/12/21 08:18	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**144**	mg/L	5.0	5.0	1		01/12/21 10:34		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**29.1**	mg/L	5.0	2.5	1		01/21/21 03:54	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		01/13/21 14:49	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		01/09/21 16:36	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Sample: Trip Blank 1/9/21 **Lab ID: 35603464006** Collected: 01/09/21 00:00 Received: 01/09/21 12:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/17/21 16:07	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/17/21 16:07	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/17/21 16:07	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/17/21 16:07	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/17/21 16:07	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/17/21 16:07	75-25-2	J(v2)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/17/21 16:07	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/17/21 16:07	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/17/21 16:07	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/17/21 16:07	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/17/21 16:07	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/17/21 16:07	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/17/21 16:07	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/17/21 16:07	74-87-3	
1,2-Dibromo-3-chloropropane	**1.9 U**	ug/L	5.0	1.9	1		01/17/21 16:07	96-12-8	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/17/21 16:07	124-48-1	
1,2-Dibromoethane (EDB)	**0.31 U**	ug/L	1.0	0.31	1		01/17/21 16:07	106-93-4	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/17/21 16:07	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/17/21 16:07	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/17/21 16:07	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/17/21 16:07	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/17/21 16:07	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/17/21 16:07	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/17/21 16:07	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/17/21 16:07	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/17/21 16:07	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/17/21 16:07	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/17/21 16:07	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/17/21 16:07	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/17/21 16:07	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/17/21 16:07	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/17/21 16:07	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/17/21 16:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/17/21 16:07	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/17/21 16:07	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/17/21 16:07	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/17/21 16:07	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/17/21 16:07	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/17/21 16:07	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/17/21 16:07	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/17/21 16:07	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/17/21 16:07	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/17/21 16:07	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/17/21 16:07	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/17/21 16:07	108-05-4	J(v2)

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Sample: Trip Blank 1/9/21 **Lab ID: 35603464006** Collected: 01/09/21 00:00 Received: 01/09/21 12:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/17/21 16:07	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/17/21 16:07	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		01/17/21 16:07	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		01/17/21 16:07	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/17/21 16:07	2199-69-1	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

QC Batch: 695870
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603464001, 35603464002, 35603464003, 35603464004

METHOD BLANK: 3787844 Matrix: Water
Associated Lab Samples: 35603464001, 35603464002, 35603464003, 35603464004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	01/19/21 10:21	

LABORATORY CONTROL SAMPLE: 3787845

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3787846 3787847

Parameter	Units	35603028002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	1.6	1.6	80	76	75-125	4	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

QC Batch: 697419
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603464005

METHOD BLANK: 3797153 Matrix: Water
Associated Lab Samples: 35603464005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	01/20/21 11:55	

LABORATORY CONTROL SAMPLE: 3797154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3797155 3797156

Parameter	Units	35603464005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	1.9	2.0	96	98	75-125	2	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

QC Batch: 695545
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603464001, 35603464002, 35603464003, 35603464004, 35603464005

METHOD BLANK: 3786080 Matrix: Water
Associated Lab Samples: 35603464001, 35603464002, 35603464003, 35603464004, 35603464005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	01/12/21 08:29	
Beryllium	ug/L	0.17 U	4.0	0.17	01/12/21 08:29	
Cadmium	ug/L	0.33 U	1.0	0.33	01/12/21 08:29	
Chromium	ug/L	1.7 U	5.0	1.7	01/12/21 08:29	
Cobalt	ug/L	0.96 U	10.0	0.96	01/12/21 08:29	
Copper	ug/L	2.6 U	5.0	2.6	01/12/21 08:29	
Iron	ug/L	25.0 U	40.0	25.0	01/12/21 08:29	
Lead	ug/L	4.6 U	10.0	4.6	01/12/21 08:29	
Nickel	ug/L	2.1 U	5.0	2.1	01/12/21 08:29	
Selenium	ug/L	8.5 U	15.0	8.5	01/12/21 08:29	
Silver	ug/L	1.0 U	5.0	1.0	01/12/21 08:29	
Sodium	mg/L	0.54 U	2.0	0.54	01/12/21 08:29	
Vanadium	ug/L	1.0 U	10.0	1.0	01/12/21 08:29	
Zinc	ug/L	11.0 U	20.0	11.0	01/12/21 08:29	

LABORATORY CONTROL SAMPLE: 3786081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	253	101	80-120	
Beryllium	ug/L	25	24.8	99	80-120	
Cadmium	ug/L	25	25.4	102	80-120	
Chromium	ug/L	250	255	102	80-120	
Cobalt	ug/L	250	256	102	80-120	
Copper	ug/L	250	247	99	80-120	
Iron	ug/L	2500	2550	102	80-120	
Lead	ug/L	250	255	102	80-120	
Nickel	ug/L	250	258	103	80-120	
Selenium	ug/L	250	253	101	80-120	
Silver	ug/L	25	25.3	101	80-120	
Sodium	mg/L	12.5	12.8	103	80-120	
Vanadium	ug/L	250	253	101	80-120	
Zinc	ug/L	1250	1270	102	80-120	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786082 3786083

Parameter	Units	35602972005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	152	250	250	408	409	102	102	75-125	0	20	
Beryllium	ug/L	0.17 U	25	25	25.0	25.0	100	100	75-125	0	20	
Cadmium	ug/L	0.33 U	25	25	24.5	24.7	98	99	75-125	1	20	
Chromium	ug/L	1.7 U	250	250	255	254	102	101	75-125	0	20	
Cobalt	ug/L	3.2 I	250	250	257	257	102	101	75-125	0	20	
Copper	ug/L	2.6 U	250	250	261	259	104	104	75-125	1	20	
Iron	ug/L	6210	2500	2500	8740	8730	101	101	75-125	0	20	
Lead	ug/L	4.6 U	250	250	248	249	99	99	75-125	0	20	
Nickel	ug/L	2.4 I	250	250	254	254	101	101	75-125	0	20	
Selenium	ug/L	8.5 U	250	250	251	250	100	99	75-125	1	20	
Silver	ug/L	1.0 U	25	25	26.4	26.1	105	104	75-125	1	20	
Sodium	mg/L	132	12.5	12.5	145	144	103	95	75-125	1	20	
Vanadium	ug/L	1.4 I	250	250	259	258	103	103	75-125	0	20	
Zinc	ug/L	11.0 U	1250	1250	1230	1230	99	99	75-125	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

QC Batch: 695544
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603464001, 35603464002, 35603464003, 35603464004, 35603464005

METHOD BLANK: 3786073 Matrix: Water
Associated Lab Samples: 35603464001, 35603464002, 35603464003, 35603464004, 35603464005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	01/12/21 12:26	
Arsenic	ug/L	0.50 U	1.0	0.50	01/12/21 12:26	
Thallium	ug/L	0.11 U	1.0	0.11	01/12/21 12:26	

LABORATORY CONTROL SAMPLE: 3786074

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	50.6	101	80-120	
Arsenic	ug/L	50	49.3	99	80-120	
Thallium	ug/L	50	52.6	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786075 3786076

Parameter	Units	35603028001 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	49.6	49.8	99	99	75-125	0	20	
Arsenic	ug/L	0.53 I	50	50	50.8	50.7	101	100	75-125	0	20	
Thallium	ug/L	0.11 U	50	50	50.9	52.6	102	105	75-125	3	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

QC Batch: 695809
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603464001, 35603464002, 35603464003, 35603464004, 35603464005

METHOD BLANK: 3787553
Matrix: Water
Associated Lab Samples: 35603464001, 35603464002, 35603464003, 35603464004, 35603464005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/12/21 01:37	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/12/21 01:37	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/12/21 01:37	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/12/21 01:37	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/12/21 01:37	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/12/21 01:37	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/12/21 01:37	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/12/21 01:37	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	01/12/21 01:37	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/12/21 01:37	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/12/21 01:37	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	01/12/21 01:37	
2-Hexanone	ug/L	3.2 U	25.0	3.2	01/12/21 01:37	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/12/21 01:37	
Acetone	ug/L	5.3 U	25.0	5.3	01/12/21 01:37	J(v1)
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/12/21 01:37	
Benzene	ug/L	0.30 U	1.0	0.30	01/12/21 01:37	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/12/21 01:37	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/12/21 01:37	
Bromoform	ug/L	0.48 U	3.0	0.48	01/12/21 01:37	
Bromomethane	ug/L	8.1 U	10.0	8.1	01/12/21 01:37	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/12/21 01:37	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/12/21 01:37	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/12/21 01:37	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/12/21 01:37	J(v1)
Chloroform	ug/L	0.32 U	1.0	0.32	01/12/21 01:37	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/12/21 01:37	J(v1)
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/12/21 01:37	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/12/21 01:37	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/12/21 01:37	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/12/21 01:37	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/12/21 01:37	
Iodomethane	ug/L	9.3 U	10.0	9.3	01/12/21 01:37	
Methylene Chloride	ug/L	4.4 U	5.0	4.4	01/12/21 01:37	J(v1)
Styrene	ug/L	0.26 U	1.0	0.26	01/12/21 01:37	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/12/21 01:37	
Toluene	ug/L	0.33 U	1.0	0.33	01/12/21 01:37	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/12/21 01:37	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/12/21 01:37	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/12/21 01:37	

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

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

METHOD BLANK: 3787553 Matrix: Water
Associated Lab Samples: 35603464001, 35603464002, 35603464003, 35603464004, 35603464005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/12/21 01:37	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	01/12/21 01:37	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/12/21 01:37	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/12/21 01:37	J(v1)
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/12/21 01:37	
1,2-Dichlorobenzene-d4 (S)	%	106	70-130		01/12/21 01:37	
4-Bromofluorobenzene (S)	%	100	70-130		01/12/21 01:37	
Toluene-d8 (S)	%	103	70-130		01/12/21 01:37	

LABORATORY CONTROL SAMPLE: 3787554

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.6	98	70-130	
1,1,1-Trichloroethane	ug/L	20	20.3	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.5	92	68-125	
1,1,2-Trichloroethane	ug/L	20	19.5	98	70-130	
1,1-Dichloroethane	ug/L	20	18.4	92	70-130	
1,1-Dichloroethene	ug/L	20	21.6	108	66-133	
1,2,3-Trichloropropane	ug/L	20	19.1	95	62-127	
1,2-Dichlorobenzene	ug/L	20	18.9	95	70-130	
1,2-Dichloroethane	ug/L	20	20.2	101	70-130	
1,2-Dichloropropane	ug/L	20	20.3	101	70-130	
1,4-Dichlorobenzene	ug/L	20	18.7	94	70-130	
2-Butanone (MEK)	ug/L	100	112	112	47-143	
2-Hexanone	ug/L	100	99.7	100	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.8	100	57-132	
Acetone	ug/L	100	150	150	46-148	J(v1),L3
Acrylonitrile	ug/L	100	102	102	60-143	
Benzene	ug/L	20	20.7	103	70-130	
Bromochloromethane	ug/L	20	20.9	105	70-130	
Bromodichloromethane	ug/L	20	21.9	110	70-130	
Bromoform	ug/L	20	23.9	119	49-126	
Bromomethane	ug/L	20	19.2	96	10-165	
Carbon disulfide	ug/L	20	21.6	108	60-141	
Carbon tetrachloride	ug/L	20	20.7	104	63-126	
Chlorobenzene	ug/L	20	19.5	97	70-130	
Chloroethane	ug/L	20	29.1	145	71-142	J(v1),L3
Chloroform	ug/L	20	19.8	99	70-130	
Chloromethane	ug/L	20	28.6	143	40-140	J(v1),L3
cis-1,2-Dichloroethene	ug/L	20	18.5	93	70-130	
cis-1,3-Dichloropropene	ug/L	20	22.6	113	70-130	
Dibromochloromethane	ug/L	20	19.7	98	62-118	
Dibromomethane	ug/L	20	21.4	107	70-130	
Ethylbenzene	ug/L	20	19.1	96	70-130	

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

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

LABORATORY CONTROL SAMPLE: 3787554

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	17.9	89	10-164	
Methylene Chloride	ug/L	20	28.1	140	65-136	L3
Styrene	ug/L	20	17.8	89	70-130	
Tetrachloroethene	ug/L	20	19.4	97	64-134	
Toluene	ug/L	20	17.7	89	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.3	87	68-127	
trans-1,3-Dichloropropene	ug/L	20	21.3	106	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	16.8	84	42-129	
Trichloroethene	ug/L	20	21.1	106	70-130	
Trichlorofluoromethane	ug/L	20	25.0	125	65-135	J(v1)
Vinyl acetate	ug/L	20	22.7	114	60-144	
Vinyl chloride	ug/L	20	26.7	133	68-131	J(v1),L3
Xylene (Total)	ug/L	60	58.0	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			108	70-130	
Toluene-d8 (S)	%			107	70-130	

MATRIX SPIKE SAMPLE: 3787556

Parameter	Units	35603183003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	19.0	95	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	20.0	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	18.5	93	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	18.9	95	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	18.5	92	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	21.9	109	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	18.9	95	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	18.5	92	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	20.5	103	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	20.9	104	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	18.1	90	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	101	101	47-143	
2-Hexanone	ug/L	3.2 U	100	99.3	99	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	101	101	57-132	
Acetone	ug/L	5.3 U	100	125	122	46-148	J(v1)
Acrylonitrile	ug/L	3.7 U	100	98.1	98	60-143	
Benzene	ug/L	0.30 U	20	20.9	104	70-130	
Bromochloromethane	ug/L	0.37 U	20	20.8	104	70-130	
Bromodichloromethane	ug/L	0.19 U	20	20.9	104	70-130	
Bromoform	ug/L	0.48 U	20	21.5	108	49-126	
Bromomethane	ug/L	8.1 U	20	16.7	84	10-165	
Carbon disulfide	ug/L	1.8 U	20	22.2	111	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	21.5	108	63-126	
Chlorobenzene	ug/L	0.35 U	20	19.3	97	70-130	
Chloroethane	ug/L	3.7 U	20	29.2	146	71-142	J(M0),J(v1)

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

MATRIX SPIKE SAMPLE: 3787556

Parameter	Units	35603183003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	19.6	98	70-130	
Chloromethane	ug/L	0.43 U	20	28.5	143	40-140	J(M0),J(v1)
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	19.4	97	70-130	
Dibromochloromethane	ug/L	0.45 U	20	18.5	92	62-118	
Dibromomethane	ug/L	0.68 U	20	20.8	104	70-130	
Ethylbenzene	ug/L	0.30 U	20	19.1	96	70-130	
Iodomethane	ug/L	9.3 U	20	19.1	95	10-164	
Methylene Chloride	ug/L	4.4 U	20	26.0	130	65-136	J(v1)
Styrene	ug/L	0.26 U	20	17.6	88	70-130	
Tetrachloroethene	ug/L	0.38 U	20	18.6	93	64-134	
Toluene	ug/L	0.33 U	20	15.3	77	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	17.1	86	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	20.5	103	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	17.1	85	42-129	
Trichloroethene	ug/L	0.36 U	20	21.1	105	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	25.1	126	65-135	J(v1)
Vinyl acetate	ug/L	1.8 U	20	20.5	102	60-144	
Vinyl chloride	ug/L	0.39 U	20	27.2	136	68-131	J(M0),J(v1)
Xylene (Total)	ug/L	2.1 U	60	57.3	96	70-130	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				103	70-130	
Toluene-d8 (S)	%				110	70-130	

SAMPLE DUPLICATE: 3787555

Parameter	Units	35603183002 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-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.45 I	0.45 I		40	
2-Butanone (MEK)	ug/L	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	J(v1)
Acrylonitrile	ug/L	3.7 U	3.7 U		40	
Benzene	ug/L	6.7	6.9	4	40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

SAMPLE DUPLICATE: 3787555

Parameter	Units	35603183002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	8.1 U	8.1 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	7.7	7.8	1	40	
Chloroethane	ug/L	3.7 U	3.7 U		40	J(v1)
Chloroform	ug/L	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	J(v1)
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	9.3 U	9.3 U		40	
Methylene Chloride	ug/L	4.4 U	4.4 U		40	J(v1)
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 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	0.35 U	0.35 U		40	J(v1)
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	J(v1)
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	104	106			
4-Bromofluorobenzene (S)	%	102	102		40	
Toluene-d8 (S)	%	98	102		40	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

QC Batch: 697369
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35603464006

METHOD BLANK: 3796995 Matrix: Water
Associated Lab Samples: 35603464006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/17/21 14:02	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/17/21 14:02	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/17/21 14:02	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/17/21 14:02	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/17/21 14:02	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/17/21 14:02	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/17/21 14:02	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	5.0	1.9	01/17/21 14:02	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	1.0	0.31	01/17/21 14:02	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/17/21 14:02	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	01/17/21 14:02	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/17/21 14:02	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/17/21 14:02	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	01/17/21 14:02	
2-Hexanone	ug/L	3.2 U	25.0	3.2	01/17/21 14:02	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/17/21 14:02	
Acetone	ug/L	5.3 U	25.0	5.3	01/17/21 14:02	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/17/21 14:02	
Benzene	ug/L	0.30 U	1.0	0.30	01/17/21 14:02	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/17/21 14:02	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/17/21 14:02	
Bromoform	ug/L	0.48 U	3.0	0.48	01/17/21 14:02	J(v2)
Bromomethane	ug/L	8.1 U	10.0	8.1	01/17/21 14:02	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/17/21 14:02	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/17/21 14:02	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/17/21 14:02	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/17/21 14:02	
Chloroform	ug/L	0.32 U	1.0	0.32	01/17/21 14:02	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/17/21 14:02	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/17/21 14:02	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/17/21 14:02	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/17/21 14:02	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/17/21 14:02	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/17/21 14:02	
Iodomethane	ug/L	9.3 U	10.0	9.3	01/17/21 14:02	
Methylene Chloride	ug/L	4.4 U	5.0	4.4	01/17/21 14:02	
Styrene	ug/L	0.26 U	1.0	0.26	01/17/21 14:02	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/17/21 14:02	
Toluene	ug/L	0.33 U	1.0	0.33	01/17/21 14:02	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/17/21 14:02	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

METHOD BLANK: 3796995 Matrix: Water
Associated Lab Samples: 35603464006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/17/21 14:02	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/17/21 14:02	
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/17/21 14:02	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	01/17/21 14:02	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/17/21 14:02	J(v2)
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/17/21 14:02	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/17/21 14:02	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130		01/17/21 14:02	
4-Bromofluorobenzene (S)	%	95	70-130		01/17/21 14:02	
Toluene-d8 (S)	%	97	70-130		01/17/21 14:02	

LABORATORY CONTROL SAMPLE: 3796996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.7	98	70-130	
1,1,1-Trichloroethane	ug/L	20	21.1	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.0	105	68-125	
1,1,2-Trichloroethane	ug/L	20	21.4	107	70-130	
1,1-Dichloroethane	ug/L	20	23.0	115	70-130	
1,1-Dichloroethene	ug/L	20	20.1	101	66-133	
1,2,3-Trichloropropane	ug/L	20	20.7	103	62-127	
1,2-Dibromo-3-chloropropane	ug/L	20	18.7	94	45-137	
1,2-Dibromoethane (EDB)	ug/L	20	21.2	106	70-130	
1,2-Dichlorobenzene	ug/L	20	19.9	99	70-130	
1,2-Dichloroethane	ug/L	20	21.4	107	70-130	
1,2-Dichloropropane	ug/L	20	22.1	111	70-130	
1,4-Dichlorobenzene	ug/L	20	19.8	99	70-130	
2-Butanone (MEK)	ug/L	100	90.3	90	47-143	
2-Hexanone	ug/L	100	83.2	83	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	88.4	88	57-132	
Acetone	ug/L	100	91.1	91	46-148	
Acrylonitrile	ug/L	100	110	110	60-143	
Benzene	ug/L	20	22.7	113	70-130	
Bromochloromethane	ug/L	20	22.5	112	70-130	
Bromodichloromethane	ug/L	20	22.1	111	70-130	
Bromoform	ug/L	20	15.6	78	49-126	J(v3)
Bromomethane	ug/L	20	15.6	78	10-165	J(v3)
Carbon disulfide	ug/L	20	17.8	89	60-141	
Carbon tetrachloride	ug/L	20	20.2	101	63-126	
Chlorobenzene	ug/L	20	20.7	104	70-130	
Chloroethane	ug/L	20	18.8	94	71-142	
Chloroform	ug/L	20	22.0	110	70-130	
Chloromethane	ug/L	20	18.9	94	40-140	
cis-1,2-Dichloroethene	ug/L	20	22.1	110	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

LABORATORY CONTROL SAMPLE: 3796996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	20	21.5	108	70-130	
Dibromochloromethane	ug/L	20	21.9	109	62-118	
Dibromomethane	ug/L	20	20.8	104	70-130	
Ethylbenzene	ug/L	20	20.5	103	70-130	
Iodomethane	ug/L	20	16.6	83	10-164	
Methylene Chloride	ug/L	20	20.0	100	65-136	
Styrene	ug/L	20	18.2	91	70-130	
Tetrachloroethene	ug/L	20	19.8	99	64-134	
Toluene	ug/L	20	20.8	104	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.9	110	68-127	
trans-1,3-Dichloropropene	ug/L	20	20.8	104	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	19.5	98	42-129	
Trichloroethene	ug/L	20	21.3	107	70-130	
Trichlorofluoromethane	ug/L	20	19.3	96	65-135	
Vinyl acetate	ug/L	20	14.7	74	60-144	J(v3)
Vinyl chloride	ug/L	20	18.1	90	68-131	
Xylene (Total)	ug/L	60	58.4	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 3796998

Parameter	Units	35604616007 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	19.1	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	17.4	87	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	18.3	91	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	20.3	102	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	19.1	96	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	17.1	86	62-127	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	20	15.3	77	45-137	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	20	17.8	89	70-130	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.2	86	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	18.6	93	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	19.1	95	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	17.2	86	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	67.7	68	47-143	
2-Hexanone	ug/L	3.2 U	100	66.4	66	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	70.6	71	57-132	
Acetone	ug/L	5.3 U	100	76.0	74	46-148	
Acrylonitrile	ug/L	3.7 U	100	98.6	99	60-143	
Benzene	ug/L	0.30 U	20	19.9	99	70-130	
Bromochloromethane	ug/L	0.37 U	20	19.7	98	70-130	
Bromodichloromethane	ug/L	0.19 U	20	18.8	94	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

MATRIX SPIKE SAMPLE: 3796998

Parameter	Units	35604616007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	0.48 U	20	12.8	64	49-126	J(v3)
Bromomethane	ug/L	8.1 U	20	11.8	59	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	17.4	87	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	19.0	95	63-126	
Chlorobenzene	ug/L	0.35 U	20	18.3	92	70-130	
Chloroethane	ug/L	3.7 U	20	17.9	90	71-142	
Chloroform	ug/L	0.32 U	20	19.7	98	70-130	
Chloromethane	ug/L	0.43 U	20	17.9	90	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	19.5	98	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	15.9	80	70-130	
Dibromochloromethane	ug/L	0.45 U	20	18.2	91	62-118	
Dibromomethane	ug/L	0.68 U	20	17.8	89	70-130	
Ethylbenzene	ug/L	0.30 U	20	18.0	90	70-130	
Iodomethane	ug/L	9.3 U	20	12.0	60	10-164	
Methylene Chloride	ug/L	4.4 U	20	17.1	86	65-136	
Styrene	ug/L	0.26 U	20	15.4	77	70-130	
Tetrachloroethene	ug/L	0.38 U	20	17.6	88	64-134	
Toluene	ug/L	0.33 U	20	18.4	92	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	20.1	101	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	17.2	86	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	14.7	73	42-129	
Trichloroethene	ug/L	0.36 U	20	19.0	95	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	19.2	96	65-135	
Vinyl acetate	ug/L	1.8 U	20	15.5	77	60-144	J(v3)
Vinyl chloride	ug/L	0.39 U	20	17.9	89	68-131	
Xylene (Total)	ug/L	2.1 U	60	50.6	84	70-130	
1,2-Dichlorobenzene-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 3796997

Parameter	Units	35604616006 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-Dibromo-3-chloropropane	ug/L	1.9 U	1.9 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	0.31 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

SAMPLE DUPLICATE: 3796997

Parameter	Units	35604616006 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	J(v2)
Bromomethane	ug/L	8.1 U	8.1 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	0.32 U	0.32 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	9.3 U	9.3 U		40	
Methylene Chloride	ug/L	4.4 U	4.4 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	0.35 U	0.35 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)	%	103	105			
4-Bromofluorobenzene (S)	%	94	95		40	
Toluene-d8 (S)	%	99	99		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

QC Batch: 695553
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603464001, 35603464002, 35603464003, 35603464004, 35603464005

METHOD BLANK: 3786105 Matrix: Water
Associated Lab Samples: 35603464001, 35603464002, 35603464003, 35603464004, 35603464005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	01/12/21 04:29	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	01/12/21 04:29	

LABORATORY CONTROL SAMPLE: 3786106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.23	91	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.23	93	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786107 3786108

Parameter	Units	35603181001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0062 U	0.44	0.44	0.54	0.54	124	122	60-140	1	40	
1,2-Dibromoethane (EDB)	ug/L	0.0073 U	0.44	0.44	0.52	0.52	120	119	60-140	0	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

QC Batch: 695858 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603464001, 35603464002, 35603464003, 35603464004, 35603464005

METHOD BLANK: 3787826 Matrix: Water
Associated Lab Samples: 35603464001, 35603464002, 35603464003, 35603464004, 35603464005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	01/12/21 10:32	

LABORATORY CONTROL SAMPLE: 3787827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	303	101	90-110	

SAMPLE DUPLICATE: 3787828

Parameter	Units	35603193001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	639	661	3	10	

SAMPLE DUPLICATE: 3787829

Parameter	Units	35603196001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	694	678	2	10	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

QC Batch: 698298
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: 35603464001, 35603464002, 35603464003

METHOD BLANK: 3801446 Matrix: Water
Associated Lab Samples: 35603464001, 35603464002, 35603464003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	01/20/21 15:43	

LABORATORY CONTROL SAMPLE: 3801447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.6	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3801448 3801449

Parameter	Units	35603998001 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	92.4	92.4	110	110	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3801450 3801451

Parameter	Units	92515745001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	6.5	50	50	55.4	54.5	98	96	90-110	2	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

QC Batch: 698300
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: 35603464004, 35603464005

METHOD BLANK: 3801457 Matrix: Water
Associated Lab Samples: 35603464004, 35603464005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	01/21/21 02:47	

LABORATORY CONTROL SAMPLE: 3801458

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: 3801459 3801460

Parameter	Units	35603464005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	29.1	50	50	83.2	83.3	108	109	90-110	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

QC Batch: 696259
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: 35603464001, 35603464002, 35603464003, 35603464004, 35603464005

METHOD BLANK: 3789946 Matrix: Water
Associated Lab Samples: 35603464001, 35603464002, 35603464003, 35603464004, 35603464005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	01/13/21 14:24	

LABORATORY CONTROL SAMPLE: 3789947

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3789949 3789948

Parameter	Units	35603391002 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	0.38	1	1	1.4	1.4	104	104	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3789950 3789951

Parameter	Units	35603520001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	1.1	1.0	103	101	90-110	2	20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

QC Batch: 695369
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: 35603464001, 35603464002, 35603464003, 35603464004, 35603464005

METHOD BLANK: 3785521 Matrix: Water
Associated Lab Samples: 35603464001, 35603464002, 35603464003, 35603464004, 35603464005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/09/21 16:22	

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: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

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.

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.
J(M0)	Estimated Value. Matrix spike recovery was outside laboratory 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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35603464002	**B70-1**				
35603464003	**B70-2**				
35603464004	**B45-2**				
35603464005	**B44**				
35603464001	**EQ Blank 1/9/21**	EPA 8011	695553	EPA 8011	695727
35603464002	**B70-1**	EPA 8011	695553	EPA 8011	695727
35603464003	**B70-2**	EPA 8011	695553	EPA 8011	695727
35603464004	**B45-2**	EPA 8011	695553	EPA 8011	695727
35603464005	**B44**	EPA 8011	695553	EPA 8011	695727
35603464001	**EQ Blank 1/9/21**	EPA 3010	695545	EPA 6010	695562
35603464002	**B70-1**	EPA 3010	695545	EPA 6010	695562
35603464003	**B70-2**	EPA 3010	695545	EPA 6010	695562
35603464004	**B45-2**	EPA 3010	695545	EPA 6010	695562
35603464005	**B44**	EPA 3010	695545	EPA 6010	695562
35603464001	**EQ Blank 1/9/21**	EPA 3010	695544	EPA 6020	695626
35603464002	**B70-1**	EPA 3010	695544	EPA 6020	695626
35603464003	**B70-2**	EPA 3010	695544	EPA 6020	695626
35603464004	**B45-2**	EPA 3010	695544	EPA 6020	695626
35603464005	**B44**	EPA 3010	695544	EPA 6020	695626
35603464001	**EQ Blank 1/9/21**	EPA 7470	695870	EPA 7470	695978
35603464002	**B70-1**	EPA 7470	695870	EPA 7470	695978
35603464003	**B70-2**	EPA 7470	695870	EPA 7470	695978
35603464004	**B45-2**	EPA 7470	695870	EPA 7470	695978
35603464005	**B44**	EPA 7470	697419	EPA 7470	697617
35603464001	**EQ Blank 1/9/21**	EPA 8260	695809		
35603464002	**B70-1**	EPA 8260	695809		
35603464003	**B70-2**	EPA 8260	695809		
35603464004	**B45-2**	EPA 8260	695809		
35603464005	**B44**	EPA 8260	695809		
35603464006	**Trip Blank 1/9/21**	EPA 8260	697369		
35603464001	**EQ Blank 1/9/21**	SM 2540C	695858		
35603464002	**B70-1**	SM 2540C	695858		
35603464003	**B70-2**	SM 2540C	695858		
35603464004	**B45-2**	SM 2540C	695858		
35603464005	**B44**	SM 2540C	695858		
35603464001	**EQ Blank 1/9/21**	EPA 300.0	698298		
35603464002	**B70-1**	EPA 300.0	698298		
35603464003	**B70-2**	EPA 300.0	698298		
35603464004	**B45-2**	EPA 300.0	698300		
35603464005	**B44**	EPA 300.0	698300		
35603464001	**EQ Blank 1/9/21**	EPA 350.1	696259		
35603464002	**B70-1**	EPA 350.1	696259		
35603464003	**B70-2**	EPA 350.1	696259		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603464

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35603464004	**B45-2**	EPA 350.1	696259		
35603464005	**B44**	EPA 350.1	696259		
35603464001	**EQ Blank 1/9/21**	EPA 353.2	695369		
35603464002	**B70-1**	EPA 353.2	695369		
35603464003	**B70-2**	EPA 353.2	695369		
35603464004	**B45-2**	EPA 353.2	695369		
35603464005	**B44**	EPA 353.2	695369		

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WO# : 35603464

35603464

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section B — Required Project Information:

Company:	Volusia County Solid Waste Management
Address:	1990 Tomoka Farms Road
	Port Orange, FL 32128
Email:	jstirk@volusia.org
Phone:	(386)947-2952 Fax:
Requested Due Date:	
Report To:	Jennifer Stirk
Copy To:	
Purchase Order #:	
Project Name:	Tomoka LF Semi-annual MWs
Project #:	

Section C — Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	jeff.baylor@pacelabs.com,
Pace Profile #:	1590, Line 1

Regulatory Agency

State / Location

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	TDS, NO3, Cl	ammonia	Metals by 6010/6020/Hg	EDB 8011	8260 VOCs Full List	Trip Blank DO NOT OPEN -	Residual Chlorine (Y/N)
1	EQ					1-9-20	8:30																		
2	B70-1						9:20												X	X	X	X	X		
3	B70-2						10:02																		
4	B45-2						10:39																		
5	B44						11:20																		
6	TRIP BLANK						0000																	X	
7																									
8																									
9																									
10																									
11																									
12																									

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Empty Bottles	RP Bottle Prep	11/9/20	1006							
	Bruce Fo Sho	11-9-20	1210	CEDIpace	11-9-20	12:10	0.3	Y	W	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: BRUCE FOSHEE

SIGNATURE of SAMPLER:

DATE Signed: 11-9-20

Sample Condition Upon Receipt Form (SCUR)

Project # WO#: 35603464

Project Manager: PM: JSB **Due Date:** 01/25/21

Client: CLIENT: VOLDPW

Date and Initials of person:
Examining contents:
Label:
Deliver:
pH:

Thermometer Used: T337 Date: 1/9/21 Time: 12:27 Initials: CEJ

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

Cooler #1 Temp.°C 0.3	(Visual)	0	(Correction Factor) 0.3	(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) HAND ☐ Samples on ice, cooling process has begun

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace 1/9/21 ☐ Other

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

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

Tracking #

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

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

Samples shorted to lab (If Yes, complete) Shorted Date: 1/9/21 Shorted Time: 1238 Qty: 5 BPIU

Comments:

Chain of Custody Present	☑ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☑ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☑ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☑ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☑ No ☐ N/A	
Sufficient Volume	☑ Yes ☐ No ☐ N/A	
Correct Containers Used	☑ Yes ☐ No ☐ N/A	
Containers Intact	☑ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☑ Yes ☐ No ☐ N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☑ Yes ☐ No ☐ N/A	Preservative: Lot #/Trace #: Date: Time: Initials:
Headspace in VOA Vials? (>6mm):	☐ Yes ☑ No ☐ N/A	
Trip Blank Present:	☑ Yes ☐ No ☐ N/A	2-8260

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF SEMF	
WELL NO: EQ	SAMPLE ID: EQ	DATE: 1-9-21

PURGING DATA

WELL DIAMETER (inches):	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)
= (feet – feet) X gallons/foot = gallons

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

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

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

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Bruce Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 8:31	SAMPLING ENDED AT:
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)
	1	PE	1000	ICE			TDS NO3 Cl	APP	< 400
	1	1	250	HNO3			Cold 6020		
	1		1	H2SO4			NH3		
	2	CG	40	ICE			8011		
	3	1	1	HCl			8260		

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: Volusia County Solid Waste	SITE LOCATION: TOMOKA LF SCMS ANNUAL	
WELL NO: ~~B-85-6~~ B 70-1	SAMPLE ID: ~~B-85-6~~ B 70-1	DATE: 6.9.21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.34	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)
= (38.18 feet – 6.34 feet) X 0.16 gallons/foot = 5.0944 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9	PURGING INITIATED AT: 8:51	PURGING ENDED AT: 9:24	TOTAL VOLUME PURGED (gallons): 8.16

TIME (22 6)	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)
9:13	5.28	5.28	0.24	7.81	6.65	22.3	174	5.40	9.75	yellow	sulfur
9:18	1.44	6.72	0.24	7.81	6.58	22.3	175	5.31	9.62	1	1
9:24	1.44	8.16	0.24	7.81	6.51	22.4	177	5.23	9.85	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: Bruce Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 9:24	SAMPLING ENDED AT: 9:30

PUMP OR TUBING DEPTH IN WELL (feet): 9	TUBING MATERIAL CODE: HDPE/S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

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

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
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)
	1	PE	1000	Ice			TDS NO3 Cl	APP	400
	1	1	250	HNO3			6010 6020 Hg	1	1
	1	1	1	H2SO4			NH3		
	2	CG	40	Ice			8011		
	3	1	1	HCl			8260		

REMARKS:
ORP -135.9 -121.4 114.6

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: Volusia County Solid Waste	SITE LOCATION: Tomoka SCMI.	
WELL NO: B-70-2	SAMPLE ID: B 70-2	DATE: 1-8-21

PURGING DATA

WELL DIAMETER (inches): 2	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)

= (21.93 feet – 6.26 feet) X 0.16 gallons/foot = 2.5072 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9	PURGING INITIATED AT: 9:40	PURGING ENDED AT: 10:07	TOTAL VOLUME PURGED (gallons): 3.96

TIME (24 hr)	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)
9:54	2.52	2.52	0.18	7.55	7.01	19.9	340	1.76	4.05	yellow	Sulfur
9:58	0.72	3.24	0.18	7.55	7.00	20.0	337	1.63	3.70	1	1
10:02	0.72	3.96	0.18	7.55	6.88	20.0	334	1.54	3.85	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: Bruce Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 9:40	SAMPLING ENDED AT: 10:08
PUMP OR TUBING DEPTH IN WELL (feet): 9	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)
	1	PE	1000	ICE			TDS NO3 Cl	APP	200
	1	1	250	HNO3			Co Ba Cr Zn Ni	1	1
	1	1	1	H2SO4			NH3	1	1
	2	CG	40	ICE			8011	1	1
	3	1	1	HCl			8260	1	1

REMARKS:
ORP 97.8 98.7 100.5

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF	
WELL NO: B45-2	SAMPLE ID: B45-2	DATE: 1-8-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.71	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (17.60 feet – 6.71 feet) X 0.16 gallons/foot = 1.7424 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9	PURGING INITIATED AT: 10:23	PURGING ENDED AT: 10:39	TOTAL VOLUME PURGED (gallons): 2.88

TIME 10 3	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)
10:33	1.80	1.80	0.18	7.96	5.73	19.6	855	1.65	19.5	yellow	sulfur
10:36	0.54	2.34	0.14	7.98	5.73	19.7	852	1.41	16.4		
10:39	0.54	2.88	0.18	7.98	5.74	19.8	847	1.22	14.0		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Bruce Rostor	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:39	SAMPLING ENDED AT: 10:45
PUMP OR TUBING DEPTH IN WELL (feet): 9	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)
	1	PB	1000	ICE			TDS NO3 Cl	APP	400
	1	P	250	HNO3			6010 6020 Hg		
	1	P	1	H2SO4			NH3		
	2	G	40	HCl			8011		
	3	P	1	HCl			8260		

REMARKS:
ORP 24.3 26.5 27.1

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

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

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

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

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF SEMI	
WELL NO: B44	SAMPLE ID: B44	DATE: 1-9-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.69	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.66 feet – 6.69 feet) X 0.16 gallons/foot = 1.2752 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9	PURGING INITIATED AT: 11:08	PURGING ENDED AT: 11:20	TOTAL VOLUME PURGED (gallons): 2.16

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)
11:16	1.44	1.44	0.18	7.81	6.02	20.1	158	1.21	18.7	yellow	sulfur
11:18	0.36	1.80	0.18	7.81	6.01	20.1	157	1.02	16.8	"	"
11:20	0.36	2.16	0.18	7.81	6.00	20.1	156	0.92	15.1	"	"

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: Bruce Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:20	SAMPLING ENDED AT: 11:26
PUMP OR TUBING DEPTH IN WELL (feet): 9	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	1	PE	1000	ICE			TDS NO3 Cl	APP	400
	1	1	250	HNO3			6010 6020 Hg		1
	1	1	1	H2SO4			NH3		
	2	CG	40	ICE			8011		
	3	1	1	HCl			8260		

REMARKS: 59.3 59.0 57.6

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

January 25, 2021

Ms. Jennifer Stirk
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Port Orange, FL 32128

RE: Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Dear Ms. Stirk:

Enclosed are the analytical results for sample(s) received by the laboratory on January 11, 2021. 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

The trip blank for 35603691 were received empty and thus not analyzed.

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

Sincerely,

Jeff Baylor

Jeff Baylor
jeff.baylor@pacelabs.com
(386)672-5668
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.

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

CERTIFICATIONS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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

SAMPLE SUMMARY

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35603691001	**EQ Blank 1/11/21**	Water	01/11/21 08:41	01/11/21 15:00
35603691002	**B43-1**	Water	01/11/21 09:18	01/11/21 15:00
35603691003	**B43-1 Dup**	Water	01/11/21 09:18	01/11/21 15:00
35603691004	**B43-2**	Water	01/11/21 09:57	01/11/21 15:00
35603691005	**B71**	Water	01/11/21 10:51	01/11/21 15:00
35603691006	**B72**	Water	01/11/21 11:42	01/11/21 15:00
35603691007	**B73-2**	Water	01/11/21 13:55	01/11/21 15:00
35603691008	**B73-1**	Water	01/11/21 13:01	01/11/21 15:00
35603691009	**B82-1**	Water	01/11/21 15:09	01/11/21 15:50

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8 East Tower Circle
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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35603691001	**EQ Blank 1/11/21**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35603691002	**B43-1**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35603691003	**B43-1 Dup**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RRB	1	PASI-O
35603691004	**B43-2**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	RRB	3	PASI-O
35603691005	**B71**	EPA 8011	TSW	2	PASI-O

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Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	CS2	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603691006	**B72**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603691007	**B73-2**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS3	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603691008	**B73-1**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS3	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603691009	**B82-1**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS3	14	PASI-O

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

SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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

SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35603691001	**EQ Blank 1/11/21**					
EPA 6010	Barium	2.6 I	ug/L	10.0	01/12/21 18:44	
SM 2540C	Total Dissolved Solids	15.0	mg/L	5.0	01/13/21 12:55	
35603691002	**B43-1**					
	Field pH	5.89	Std. Units		01/11/21 09:18	
	Field Temperature	22.4	deg C		01/11/21 09:18	
	Appearance	Color: none, Sheen: none			01/11/21 09:18	
	Field Specific Conductance	822	umhos/cm		01/11/21 09:18	
	Oxygen, Dissolved	0.61	mg/L		01/11/21 09:18	
	REDOX	31.4	mV		01/11/21 09:18	
	Turbidity	11.4	NTU		01/11/21 09:18	
	Water Level(NGVD)	23.15	feet		01/11/21 09:18	
EPA 6010	Barium	230	ug/L	10.0	01/12/21 18:47	
EPA 6010	Iron	26300	ug/L	40.0	01/12/21 18:47	
EPA 6010	Sodium	103	mg/L	2.0	01/12/21 18:47	
EPA 6010	Vanadium	2.8 I	ug/L	10.0	01/12/21 18:47	
EPA 6020	Arsenic	1.1	ug/L	1.0	01/13/21 15:06	
EPA 8260	Chlorobenzene	1.9	ug/L	1.0	01/12/21 08:45	
SM 2540C	Total Dissolved Solids	586	mg/L	10.0	01/13/21 12:55	
EPA 300.0	Chloride	130	mg/L	25.0	01/21/21 05:45	
EPA 350.1	Nitrogen, Ammonia	5.6	mg/L	0.050	01/13/21 15:14	
35603691003	**B43-1 Dup**					
	Field pH	5.89	Std. Units		01/11/21 09:18	
	Field Temperature	22.4	deg C		01/11/21 09:18	
	Appearance	Color: none, Sheen: none			01/11/21 09:18	
	Field Specific Conductance	822	umhos/cm		01/11/21 09:18	
	Oxygen, Dissolved	0.61	mg/L		01/11/21 09:18	
	REDOX	31.4	mV		01/11/21 09:18	
	Turbidity	11.4	NTU		01/11/21 09:18	
	Water Level(NGVD)	23.15	feet		01/11/21 09:18	
EPA 6010	Barium	226	ug/L	10.0	01/12/21 18:50	
EPA 6010	Iron	25600	ug/L	40.0	01/12/21 18:50	
EPA 6010	Sodium	100	mg/L	2.0	01/12/21 18:50	
EPA 6010	Vanadium	2.6 I	ug/L	10.0	01/12/21 18:50	
EPA 6020	Arsenic	0.94 I	ug/L	1.0	01/13/21 15:08	
EPA 8260	Chlorobenzene	2.0	ug/L	1.0	01/12/21 09:12	
SM 2540C	Total Dissolved Solids	828	mg/L	10.0	01/13/21 12:55	
EPA 300.0	Chloride	140	mg/L	10.0	01/21/21 06:07	
EPA 350.1	Nitrogen, Ammonia	5.9	mg/L	0.050	01/13/21 15:16	
35603691004	**B43-2**					
	Field pH	6.38	Std. Units		01/11/21 09:57	
	Field Temperature	20.4	deg C		01/11/21 09:57	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35603691004	**B43-2**					
	Appearance	Color: yellow, Sheen: none			01/11/21 09:57	
	Field Specific Conductance	634	umhos/cm		01/11/21 09:57	
	Oxygen, Dissolved	1.43	mg/L		01/11/21 09:57	
	REDOX	-3.9	mV		01/11/21 09:57	
	Turbidity	25.4	NTU		01/11/21 09:57	
	Water Level(NGVD)	23.17	feet		01/11/21 09:57	
EPA 6010	Barium	29.1	ug/L	10.0	01/12/21 18:54	
EPA 6010	Cobalt	1.0 I	ug/L	10.0	01/12/21 18:54	
EPA 6010	Iron	7570	ug/L	40.0	01/12/21 18:54	
EPA 6010	Sodium	38.6	mg/L	2.0	01/12/21 18:54	
EPA 6010	Vanadium	4.2 I	ug/L	10.0	01/12/21 18:54	
EPA 6020	Arsenic	3.7	ug/L	1.0	01/13/21 15:09	
SM 2540C	Total Dissolved Solids	469	mg/L	5.0	01/13/21 12:55	
EPA 300.0	Chloride	41.5	mg/L	5.0	01/21/21 06:29	
EPA 350.1	Nitrogen, Ammonia	0.15	mg/L	0.050	01/13/21 16:04	
35603691005	**B71**					
	Field pH	6.42	Std. Units		01/11/21 10:51	
	Field Temperature	20.8	deg C		01/11/21 10:51	
	Appearance	Color: yellow, Sheen: none			01/11/21 10:51	
	Field Specific Conductance	424	umhos/cm		01/11/21 10:51	
	Oxygen, Dissolved	1.33	mg/L		01/11/21 10:51	
	REDOX	60.7	mV		01/11/21 10:51	
	Turbidity	3.79	NTU		01/11/21 10:51	
	Water Level(NGVD)	25.56	feet		01/11/21 10:51	
EPA 6010	Barium	21.1	ug/L	10.0	01/12/21 18:57	
EPA 6010	Cobalt	1.1 I	ug/L	10.0	01/12/21 18:57	
EPA 6010	Copper	3.1 I	ug/L	5.0	01/12/21 18:57	
EPA 6010	Iron	418	ug/L	40.0	01/12/21 18:57	
EPA 6010	Nickel	2.2 I	ug/L	5.0	01/12/21 18:57	
EPA 6010	Sodium	4.4	mg/L	2.0	01/12/21 18:57	
EPA 6010	Vanadium	5.2 I	ug/L	10.0	01/12/21 18:57	
EPA 6020	Arsenic	2.3	ug/L	1.0	01/13/21 15:11	
SM 2540C	Total Dissolved Solids	355	mg/L	5.0	01/13/21 12:56	
EPA 300.0	Chloride	10.5	mg/L	5.0	01/21/21 06:51	
EPA 350.1	Nitrogen, Ammonia	0.15	mg/L	0.050	01/13/21 16:08	
EPA 353.2	Nitrogen, Nitrate	0.053	mg/L	0.050	01/12/21 12:40	
35603691006	**B72**					
	Field pH	6.69	Std. Units		01/11/21 11:42	
	Field Temperature	22.2	deg C		01/11/21 11:42	

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35603691006	**B72**					
	Appearance	Color: yellow, Sheen: none			01/11/21 11:42	
	Field Specific Conductance	540	umhos/cm		01/11/21 11:42	
	Oxygen, Dissolved	0.96	mg/L		01/11/21 11:42	
	REDOX	86.6	mV		01/11/21 11:42	
	Turbidity	1.88	NTU		01/11/21 11:42	
	Water Level(NGVD)	25.26	feet		01/11/21 11:42	
EPA 6010	Barium	50.0	ug/L	10.0	01/12/21 19:00	
EPA 6010	Iron	61.4	ug/L	40.0	01/12/21 19:00	
EPA 6010	Sodium	6.5	mg/L	2.0	01/12/21 19:00	
EPA 6010	Vanadium	5.4 I	ug/L	10.0	01/12/21 19:00	
EPA 6010	Zinc	55.2	ug/L	20.0	01/12/21 19:00	
EPA 6020	Arsenic	0.52 I	ug/L	1.0	01/13/21 15:13	
SM 2540C	Total Dissolved Solids	454	mg/L	5.0	01/13/21 12:56	
EPA 300.0	Chloride	8.8	mg/L	5.0	01/21/21 07:13	
EPA 353.2	Nitrogen, Nitrate	0.11	mg/L	0.050	01/12/21 12:55	
35603691007	**B73-2**					
	Field pH	6.46	Std. Units		01/11/21 13:55	
	Field Temperature	20.7	deg C		01/11/21 13:55	
	Appearance	Color: yellow, Sheen: none			01/11/21 13:55	
	Field Specific Conductance	364	umhos/cm		01/11/21 13:55	
	Oxygen, Dissolved	1.35	mg/L		01/11/21 13:55	
	REDOX	6.5	mV		01/11/21 13:55	
	Turbidity	16.5	NTU		01/11/21 13:55	
	Water Level(NGVD)	25.32	feet		01/11/21 13:55	
EPA 6010	Barium	35.3	ug/L	10.0	01/18/21 11:11	
EPA 6010	Cobalt	2.3 I	ug/L	10.0	01/18/21 11:11	
EPA 6010	Iron	2350	ug/L	40.0	01/18/21 11:11	
EPA 6010	Nickel	2.3 I	ug/L	5.0	01/18/21 11:11	
EPA 6010	Sodium	7.3	mg/L	2.0	01/18/21 11:11	
EPA 6010	Vanadium	3.0 I	ug/L	10.0	01/18/21 11:11	
EPA 6020	Arsenic	4.7	ug/L	1.0	01/13/21 15:15	
SM 2540C	Total Dissolved Solids	329	mg/L	5.0	01/14/21 10:54	
EPA 300.0	Chloride	11.8	mg/L	5.0	01/21/21 07:35	
35603691008	**B73-1**					
	Field pH	6.83	Std. Units		01/11/21 13:01	
	Field Temperature	23.8	deg C		01/11/21 13:01	
	Appearance	Color: yellow, Sheen: none			01/11/21 13:01	
	Field Specific Conductance	419	umhos/cm		01/11/21 13:01	
	Oxygen, Dissolved	0.63	mg/L		01/11/21 13:01	

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35603691008	**B73-1**					
	REDOX	-60.7	mV		01/11/21 13:01	
	Turbidity	9.53	NTU		01/11/21 13:01	
	Water Level(NGVD)	24.57	feet		01/11/21 13:01	
EPA 6010	Barium	53.6	ug/L	10.0	01/18/21 11:14	
EPA 6010	Iron	11000	ug/L	40.0	01/18/21 11:14	
EPA 6010	Sodium	37.8	mg/L	2.0	01/18/21 11:14	
EPA 6010	Vanadium	1.2 I	ug/L	10.0	01/18/21 11:14	
EPA 6020	Arsenic	0.53 I	ug/L	1.0	01/13/21 15:17	
SM 2540C	Total Dissolved Solids	400	mg/L	5.0	01/13/21 12:56	
EPA 300.0	Chloride	18.5	mg/L	10.0	01/20/21 16:24	
EPA 350.1	Nitrogen, Ammonia	0.12	mg/L	0.050	01/13/21 16:16	
EPA 353.2	Nitrogen, Nitrate	0.072	mg/L	0.050	01/12/21 13:12	
35603691009	**B82-1**					
	Field pH	6.45	Std. Units		01/11/21 15:09	
	Field Temperature	24.4	deg C		01/11/21 15:09	
	Appearance	Color: yellow, Sheen: none			01/11/21 15:09	
	Field Specific Conductance	262	umhos/cm		01/11/21 15:09	
	Oxygen, Dissolved	0.69	mg/L		01/11/21 15:09	
	REDOX	108.3	mV		01/11/21 15:09	
	Turbidity	14.6	NTU		01/11/21 15:09	
	Water Level(NGVD)	23.63	feet		01/11/21 15:09	
EPA 6010	Barium	39.5	ug/L	10.0	01/18/21 11:17	
EPA 6010	Iron	7210	ug/L	40.0	01/18/21 11:17	
EPA 6010	Sodium	13.6	mg/L	2.0	01/18/21 11:17	
EPA 6010	Vanadium	2.8 I	ug/L	10.0	01/18/21 11:17	
SM 2540C	Total Dissolved Solids	314	mg/L	5.0	01/14/21 10:54	
EPA 300.0	Chloride	29.9	mg/L	5.0	01/20/21 16:46	
EPA 350.1	Nitrogen, Ammonia	0.062	mg/L	0.050	01/13/21 16:21	
EPA 353.2	Nitrogen, Nitrate	0.10	mg/L	0.050	01/12/21 17:58	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: EQ Blank 1/11/21 **Lab ID: 35603691001** Collected: 01/11/21 08:41 Received: 01/11/21 15:00 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	**0.0063 U**	ug/L	0.020	0.0063	1	01/12/21 12:41	01/12/21 21:49	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0099	0.0074	1	01/12/21 12:41	01/12/21 21:49	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**2.6 I**	ug/L	10.0	0.84	1	01/12/21 07:51	01/12/21 18:44	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/12/21 07:51	01/12/21 18:44	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/12/21 07:51	01/12/21 18:44	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/12/21 07:51	01/12/21 18:44	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/12/21 07:51	01/12/21 18:44	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/12/21 07:51	01/12/21 18:44	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	01/12/21 07:51	01/12/21 18:44	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/12/21 07:51	01/12/21 18:44	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/12/21 07:51	01/12/21 18:44	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/12/21 07:51	01/12/21 18:44	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/12/21 07:51	01/12/21 18:44	7440-22-4	
Sodium	**0.54 U**	mg/L	2.0	0.54	1	01/12/21 07:51	01/12/21 18:44	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	01/12/21 07:51	01/12/21 18:44	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/12/21 07:51	01/12/21 18:44	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	01/12/21 07:51	01/13/21 15:04	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/12/21 07:51	01/13/21 15:04	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/12/21 07:51	01/13/21 15:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/18/21 12:30	01/20/21 12:25	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/12/21 03:51	67-64-1	J(v1),L3
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/12/21 03:51	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 03:51	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 03:51	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/12/21 03:51	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/12/21 03:51	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/12/21 03:51	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/12/21 03:51	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 03:51	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/12/21 03:51	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 03:51	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/12/21 03:51	75-00-3	J(v1),L3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: EQ Blank 1/11/21 **Lab ID: 35603691001** Collected: 01/11/21 08:41 Received: 01/11/21 15:00 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	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 03:51	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/12/21 03:51	74-87-3	J(v1),L3
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/12/21 03:51	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/12/21 03:51	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/12/21 03:51	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/12/21 03:51	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/12/21 03:51	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/12/21 03:51	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 03:51	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 03:51	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 03:51	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 03:51	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 03:51	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/12/21 03:51	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 03:51	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 03:51	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/12/21 03:51	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/12/21 03:51	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/12/21 03:51	75-09-2	J(v1),L3
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/12/21 03:51	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/12/21 03:51	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 03:51	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 03:51	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/12/21 03:51	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/12/21 03:51	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 03:51	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 03:51	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/12/21 03:51	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 03:51	75-69-4	J(v1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/12/21 03:51	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 03:51	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/12/21 03:51	75-01-4	J(v1),L3
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/12/21 03:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/12/21 03:51	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/12/21 03:51	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		01/12/21 03:51	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**15.0**	mg/L	5.0	5.0	1		01/13/21 12:55		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		01/21/21 05:22	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: EQ Blank 1/11/21 **Lab ID: 35603691001** Collected: 01/11/21 08:41 Received: 01/11/21 15:00 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	**0.035 U**	mg/L	0.050	0.035	1		01/13/21 15:09	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		01/12/21 11:14	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B43-1 **Lab ID: 35603691002** Collected: 01/11/21 09:18 Received: 01/11/21 15:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**5.89**	Std. Units			1		01/11/21 09:18		
Field Temperature	**22.4**	deg C			1		01/11/21 09:18		
Appearance	**Color: none, Sheen: none**				1		01/11/21 09:18		
Field Specific Conductance	**822**	umhos/cm			1		01/11/21 09:18		
Oxygen, Dissolved	**0.61**	mg/L			1		01/11/21 09:18	7782-44-7	
REDOX	**31.4**	mV			1		01/11/21 09:18		
Turbidity	**11.4**	NTU			1		01/11/21 09:18		
Water Level(NGVD)	**23.15**	feet			1		01/11/21 09:18		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/12/21 12:41	01/12/21 22:03	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	01/12/21 12:41	01/12/21 22:03	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**230**	ug/L	10.0	0.84	1	01/12/21 07:51	01/12/21 18:47	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/12/21 07:51	01/12/21 18:47	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/12/21 07:51	01/12/21 18:47	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/12/21 07:51	01/12/21 18:47	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/12/21 07:51	01/12/21 18:47	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/12/21 07:51	01/12/21 18:47	7440-50-8	
Iron	**26300**	ug/L	40.0	25.0	1	01/12/21 07:51	01/12/21 18:47	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/12/21 07:51	01/12/21 18:47	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/12/21 07:51	01/12/21 18:47	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/12/21 07:51	01/12/21 18:47	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/12/21 07:51	01/12/21 18:47	7440-22-4	
Sodium	**103**	mg/L	2.0	0.54	1	01/12/21 07:51	01/12/21 18:47	7440-23-5	
Vanadium	**2.8 I**	ug/L	10.0	1.0	1	01/12/21 07:51	01/12/21 18:47	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/12/21 07:51	01/12/21 18:47	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/12/21 07:51	01/13/21 15:06	7440-36-0	
Arsenic	**1.1**	ug/L	1.0	0.50	1	01/12/21 07:51	01/13/21 15:06	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/12/21 07:51	01/13/21 15:06	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/18/21 12:30	01/20/21 12:27	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B43-1 **Lab ID: 35603691002** Collected: 01/11/21 09:18 Received: 01/11/21 15:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/12/21 08:45	67-64-1	J(v1),L3
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/12/21 08:45	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 08:45	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 08:45	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/12/21 08:45	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/12/21 08:45	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/12/21 08:45	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/12/21 08:45	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 08:45	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/12/21 08:45	56-23-5	
Chlorobenzene	**1.9**	ug/L	1.0	0.35	1		01/12/21 08:45	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/12/21 08:45	75-00-3	J(v1),L3
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 08:45	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/12/21 08:45	74-87-3	J(v1),L3
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/12/21 08:45	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/12/21 08:45	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/12/21 08:45	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/12/21 08:45	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/12/21 08:45	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/12/21 08:45	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 08:45	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 08:45	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 08:45	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 08:45	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 08:45	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/12/21 08:45	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 08:45	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 08:45	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/12/21 08:45	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/12/21 08:45	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/12/21 08:45	75-09-2	J(v1),L3
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/12/21 08:45	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/12/21 08:45	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 08:45	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 08:45	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/12/21 08:45	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/12/21 08:45	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 08:45	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 08:45	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/12/21 08:45	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 08:45	75-69-4	J(v1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/12/21 08:45	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 08:45	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/12/21 08:45	75-01-4	J(v1),L3
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/12/21 08:45	1330-20-7	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B43-1 **Lab ID: 35603691002** Collected: 01/11/21 09:18 Received: 01/11/21 15:00 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									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/12/21 08:45	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		01/12/21 08:45	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		01/12/21 08:45	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**586**	mg/L	10.0	10.0	1		01/13/21 12:55		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**130**	mg/L	25.0	12.5	5		01/21/21 05:45	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**5.6**	mg/L	0.050	0.035	1		01/13/21 15:14	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.12 U**	mg/L	0.25	0.12	5		01/12/21 11:43	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B43-1 Dup **Lab ID: 35603691003** Collected: 01/11/21 09:18 Received: 01/11/21 15:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**5.89**	Std. Units			1		01/11/21 09:18		
Field Temperature	**22.4**	deg C			1		01/11/21 09:18		
Appearance	**Color: none, Sheen: none**				1		01/11/21 09:18		
Field Specific Conductance	**822**	umhos/cm			1		01/11/21 09:18		
Oxygen, Dissolved	**0.61**	mg/L			1		01/11/21 09:18	7782-44-7	
REDOX	**31.4**	mV			1		01/11/21 09:18		
Turbidity	**11.4**	NTU			1		01/11/21 09:18		
Water Level(NGVD)	**23.15**	feet			1		01/11/21 09:18		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/12/21 12:41	01/12/21 22:18	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	01/12/21 12:41	01/12/21 22:18	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**226**	ug/L	10.0	0.84	1	01/12/21 07:51	01/12/21 18:50	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/12/21 07:51	01/12/21 18:50	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/12/21 07:51	01/12/21 18:50	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/12/21 07:51	01/12/21 18:50	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/12/21 07:51	01/12/21 18:50	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/12/21 07:51	01/12/21 18:50	7440-50-8	
Iron	**25600**	ug/L	40.0	25.0	1	01/12/21 07:51	01/12/21 18:50	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/12/21 07:51	01/12/21 18:50	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/12/21 07:51	01/12/21 18:50	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/12/21 07:51	01/12/21 18:50	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/12/21 07:51	01/12/21 18:50	7440-22-4	
Sodium	**100**	mg/L	2.0	0.54	1	01/12/21 07:51	01/12/21 18:50	7440-23-5	
Vanadium	**2.6 I**	ug/L	10.0	1.0	1	01/12/21 07:51	01/12/21 18:50	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/12/21 07:51	01/12/21 18:50	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/12/21 07:51	01/13/21 15:08	7440-36-0	
Arsenic	**0.94 I**	ug/L	1.0	0.50	1	01/12/21 07:51	01/13/21 15:08	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/12/21 07:51	01/13/21 15:08	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/18/21 12:30	01/20/21 12:30	7439-97-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B43-1 Dup **Lab ID: 35603691003** Collected: 01/11/21 09:18 Received: 01/11/21 15:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/12/21 09:12	67-64-1	J(v1),L3
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/12/21 09:12	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 09:12	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 09:12	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/12/21 09:12	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/12/21 09:12	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/12/21 09:12	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/12/21 09:12	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 09:12	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/12/21 09:12	56-23-5	
Chlorobenzene	**2.0**	ug/L	1.0	0.35	1		01/12/21 09:12	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/12/21 09:12	75-00-3	J(v1),L3
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 09:12	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/12/21 09:12	74-87-3	J(v1),L3
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/12/21 09:12	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/12/21 09:12	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/12/21 09:12	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/12/21 09:12	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/12/21 09:12	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/12/21 09:12	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 09:12	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 09:12	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 09:12	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 09:12	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 09:12	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/12/21 09:12	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 09:12	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 09:12	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/12/21 09:12	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/12/21 09:12	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/12/21 09:12	75-09-2	J(v1),L3
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/12/21 09:12	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/12/21 09:12	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 09:12	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 09:12	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/12/21 09:12	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/12/21 09:12	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 09:12	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 09:12	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/12/21 09:12	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 09:12	75-69-4	J(v1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/12/21 09:12	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 09:12	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/12/21 09:12	75-01-4	J(v1),L3
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/12/21 09:12	1330-20-7	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B43-1 Dup **Lab ID: 35603691003** Collected: 01/11/21 09:18 Received: 01/11/21 15:00 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									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/12/21 09:12	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/12/21 09:12	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		01/12/21 09:12	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**828**	mg/L	10.0	10.0	1		01/13/21 12:55		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**140**	mg/L	10.0	5.0	2		01/21/21 06:07	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**5.9**	mg/L	0.050	0.035	1		01/13/21 15:16	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.12 U**	mg/L	0.25	0.12	5		01/12/21 11:45	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B43-2 **Lab ID: 35603691004** Collected: 01/11/21 09:57 Received: 01/11/21 15:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.38**	Std. Units			1		01/11/21 09:57		
Field Temperature	**20.4**	deg C			1		01/11/21 09:57		
Appearance	**Color: yellow, Sheen: none**				1		01/11/21 09:57		
Field Specific Conductance	**634**	umhos/cm			1		01/11/21 09:57		
Oxygen, Dissolved	**1.43**	mg/L			1		01/11/21 09:57	7782-44-7	
REDOX	**-3.9**	mV			1		01/11/21 09:57		
Turbidity	**25.4**	NTU			1		01/11/21 09:57		
Water Level(NGVD)	**23.17**	feet			1		01/11/21 09:57		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	01/12/21 12:41	01/12/21 22:33	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	01/12/21 12:41	01/12/21 22:33	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**29.1**	ug/L	10.0	0.84	1	01/12/21 07:51	01/12/21 18:54	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/12/21 07:51	01/12/21 18:54	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/12/21 07:51	01/12/21 18:54	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/12/21 07:51	01/12/21 18:54	7440-47-3	
Cobalt	**1.0 I**	ug/L	10.0	0.96	1	01/12/21 07:51	01/12/21 18:54	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/12/21 07:51	01/12/21 18:54	7440-50-8	
Iron	**7570**	ug/L	40.0	25.0	1	01/12/21 07:51	01/12/21 18:54	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/12/21 07:51	01/12/21 18:54	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/12/21 07:51	01/12/21 18:54	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/12/21 07:51	01/12/21 18:54	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/12/21 07:51	01/12/21 18:54	7440-22-4	
Sodium	**38.6**	mg/L	2.0	0.54	1	01/12/21 07:51	01/12/21 18:54	7440-23-5	
Vanadium	**4.2 I**	ug/L	10.0	1.0	1	01/12/21 07:51	01/12/21 18:54	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/12/21 07:51	01/12/21 18:54	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	01/12/21 07:51	01/13/21 15:09	7440-36-0	
Arsenic	**3.7**	ug/L	1.0	0.50	1	01/12/21 07:51	01/13/21 15:09	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/12/21 07:51	01/13/21 15:09	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/18/21 12:30	01/20/21 12:32	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B43-2 **Lab ID: 35603691004** Collected: 01/11/21 09:57 Received: 01/11/21 15:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/12/21 09:38	67-64-1	J(v1),L3
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/12/21 09:38	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 09:38	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 09:38	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/12/21 09:38	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/12/21 09:38	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/12/21 09:38	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/12/21 09:38	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 09:38	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/12/21 09:38	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 09:38	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/12/21 09:38	75-00-3	J(v1),L3
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 09:38	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/12/21 09:38	74-87-3	J(v1),L3
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/12/21 09:38	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/12/21 09:38	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/12/21 09:38	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/12/21 09:38	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/12/21 09:38	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/12/21 09:38	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 09:38	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 09:38	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 09:38	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 09:38	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 09:38	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/12/21 09:38	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 09:38	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 09:38	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/12/21 09:38	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/12/21 09:38	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/12/21 09:38	75-09-2	J(v1),L3
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/12/21 09:38	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/12/21 09:38	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 09:38	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 09:38	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/12/21 09:38	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/12/21 09:38	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 09:38	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 09:38	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/12/21 09:38	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 09:38	75-69-4	J(v1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/12/21 09:38	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 09:38	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/12/21 09:38	75-01-4	J(v1),L3
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/12/21 09:38	1330-20-7	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B43-2 **Lab ID: 35603691004** Collected: 01/11/21 09:57 Received: 01/11/21 15:00 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									
4-Bromofluorobenzene (S)	105	%	70-130		1		01/12/21 09:38	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/12/21 09:38	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		01/12/21 09:38	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**469**	mg/L	5.0	5.0	1		01/13/21 12:55		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**41.5**	mg/L	5.0	2.5	1		01/21/21 06:29	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
	Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.15**	mg/L	0.050	0.035	1		01/13/21 16:04	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
	Pace Analytical Services - Ormond Beach								
Nitrogen, NO2 plus NO3	**0.16 U**	mg/L	0.25	0.16	5		01/12/21 11:50		
Nitrogen, Nitrate	**0.12 U**	mg/L	0.25	0.12	5		01/12/21 11:50	14797-55-8	
Nitrogen, Nitrite	**0.12 U**	mg/L	0.25	0.12	5		01/12/21 11:50	14797-65-0	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B71 **Lab ID: 35603691005** Collected: 01/11/21 10:51 Received: 01/11/21 15:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.42**	Std. Units			1		01/11/21 10:51		
Field Temperature	**20.8**	deg C			1		01/11/21 10:51		
Appearance	**Color: yellow, Sheen: none**				1		01/11/21 10:51		
Field Specific Conductance	**424**	umhos/cm			1		01/11/21 10:51		
Oxygen, Dissolved	**1.33**	mg/L			1		01/11/21 10:51	7782-44-7	
REDOX	**60.7**	mV			1		01/11/21 10:51		
Turbidity	**3.79**	NTU			1		01/11/21 10:51		
Water Level(NGVD)	**25.56**	feet			1		01/11/21 10:51		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	01/12/21 12:41	01/12/21 22:48	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	01/12/21 12:41	01/12/21 22:48	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	01/12/21 07:51	01/12/21 18:57	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/12/21 07:51	01/12/21 18:57	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/12/21 07:51	01/12/21 18:57	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/12/21 07:51	01/12/21 18:57	7440-47-3	
Cobalt	**1.1 I**	ug/L	10.0	0.96	1	01/12/21 07:51	01/12/21 18:57	7440-48-4	
Copper	**3.1 I**	ug/L	5.0	2.6	1	01/12/21 07:51	01/12/21 18:57	7440-50-8	
Iron	**418**	ug/L	40.0	25.0	1	01/12/21 07:51	01/12/21 18:57	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/12/21 07:51	01/12/21 18:57	7439-92-1	
Nickel	**2.2 I**	ug/L	5.0	2.1	1	01/12/21 07:51	01/12/21 18:57	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/12/21 07:51	01/12/21 18:57	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/12/21 07:51	01/12/21 18:57	7440-22-4	
Sodium	**4.4**	mg/L	2.0	0.54	1	01/12/21 07:51	01/12/21 18:57	7440-23-5	
Vanadium	**5.2 I**	ug/L	10.0	1.0	1	01/12/21 07:51	01/12/21 18:57	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/12/21 07:51	01/12/21 18:57	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/12/21 07:51	01/13/21 15:11	7440-36-0	
Arsenic	**2.3**	ug/L	1.0	0.50	1	01/12/21 07:51	01/13/21 15:11	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/12/21 07:51	01/13/21 15:11	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/18/21 12:30	01/20/21 12:34	7439-97-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B71 **Lab ID: 35603691005** Collected: 01/11/21 10:51 Received: 01/11/21 15:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/12/21 10:06	67-64-1	J(v1),L3
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/12/21 10:06	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 10:06	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 10:06	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/12/21 10:06	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/12/21 10:06	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/12/21 10:06	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/12/21 10:06	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 10:06	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/12/21 10:06	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 10:06	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/12/21 10:06	75-00-3	J(v1),L3
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 10:06	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/12/21 10:06	74-87-3	J(v1),L3
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/12/21 10:06	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/12/21 10:06	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/12/21 10:06	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/12/21 10:06	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/12/21 10:06	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/12/21 10:06	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 10:06	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 10:06	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 10:06	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 10:06	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 10:06	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/12/21 10:06	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 10:06	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 10:06	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/12/21 10:06	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/12/21 10:06	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/12/21 10:06	75-09-2	J(v1),L3
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/12/21 10:06	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/12/21 10:06	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 10:06	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 10:06	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/12/21 10:06	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/12/21 10:06	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 10:06	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 10:06	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/12/21 10:06	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 10:06	75-69-4	J(v1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/12/21 10:06	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 10:06	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/12/21 10:06	75-01-4	J(v1),L3
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/12/21 10:06	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B71 **Lab ID: 35603691005** Collected: 01/11/21 10:51 Received: 01/11/21 15:00 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									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/12/21 10:06	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		01/12/21 10:06	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		01/12/21 10:06	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**355**	mg/L	5.0	5.0	1		01/13/21 12:56		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**10.5**	mg/L	5.0	2.5	1		01/21/21 06:51	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.15**	mg/L	0.050	0.035	1		01/13/21 16:08	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.053**	mg/L	0.050	0.025	1		01/12/21 12:40	14797-55-8	

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B72 **Lab ID: 35603691006** Collected: 01/11/21 11:42 Received: 01/11/21 15:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.69**	Std. Units			1		01/11/21 11:42		
Field Temperature	**22.2**	deg C			1		01/11/21 11:42		
Appearance	**Color: yellow, Sheen: none**				1		01/11/21 11:42		
Field Specific Conductance	**540**	umhos/cm			1		01/11/21 11:42		
Oxygen, Dissolved	**0.96**	mg/L			1		01/11/21 11:42	7782-44-7	
REDOX	**86.6**	mV			1		01/11/21 11:42		
Turbidity	**1.88**	NTU			1		01/11/21 11:42		
Water Level(NGVD)	**25.26**	feet			1		01/11/21 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	**0.0065 U**	ug/L	0.020	0.0065	1	01/12/21 12:41	01/12/21 23:18	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	01/12/21 12:41	01/12/21 23:18	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**50.0**	ug/L	10.0	0.84	1	01/12/21 07:51	01/12/21 19:00	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/12/21 07:51	01/12/21 19:00	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/12/21 07:51	01/12/21 19:00	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/12/21 07:51	01/12/21 19:00	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/12/21 07:51	01/12/21 19:00	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/12/21 07:51	01/12/21 19:00	7440-50-8	
Iron	**61.4**	ug/L	40.0	25.0	1	01/12/21 07:51	01/12/21 19:00	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/12/21 07:51	01/12/21 19:00	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/12/21 07:51	01/12/21 19:00	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/12/21 07:51	01/12/21 19:00	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/12/21 07:51	01/12/21 19:00	7440-22-4	
Sodium	**6.5**	mg/L	2.0	0.54	1	01/12/21 07:51	01/12/21 19:00	7440-23-5	
Vanadium	**5.4 I**	ug/L	10.0	1.0	1	01/12/21 07:51	01/12/21 19:00	7440-62-2	
Zinc	**55.2**	ug/L	20.0	11.0	1	01/12/21 07:51	01/12/21 19:00	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/12/21 07:51	01/13/21 15:13	7440-36-0	
Arsenic	**0.52 I**	ug/L	1.0	0.50	1	01/12/21 07:51	01/13/21 15:13	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/12/21 07:51	01/13/21 15:13	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/18/21 12:30	01/20/21 12:37	7439-97-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B72 **Lab ID: 35603691006** Collected: 01/11/21 11:42 Received: 01/11/21 15:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/12/21 10:33	67-64-1	J(v1),L3
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/12/21 10:33	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 10:33	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 10:33	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/12/21 10:33	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/12/21 10:33	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/12/21 10:33	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/12/21 10:33	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 10:33	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/12/21 10:33	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 10:33	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/12/21 10:33	75-00-3	J(v1),L3
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 10:33	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/12/21 10:33	74-87-3	J(v1),L3
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/12/21 10:33	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/12/21 10:33	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/12/21 10:33	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/12/21 10:33	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/12/21 10:33	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/12/21 10:33	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 10:33	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 10:33	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 10:33	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 10:33	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 10:33	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/12/21 10:33	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 10:33	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 10:33	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/12/21 10:33	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/12/21 10:33	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/12/21 10:33	75-09-2	J(v1),L3
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/12/21 10:33	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/12/21 10:33	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 10:33	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 10:33	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/12/21 10:33	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/12/21 10:33	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 10:33	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 10:33	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/12/21 10:33	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 10:33	75-69-4	J(v1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/12/21 10:33	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 10:33	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/12/21 10:33	75-01-4	J(v1),L3
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/12/21 10:33	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B72 **Lab ID: 35603691006** Collected: 01/11/21 11:42 Received: 01/11/21 15:00 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									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/12/21 10:33	460-00-4	
Toluene-d8 (S)	104	%	70-130		1		01/12/21 10:33	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		01/12/21 10:33	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**454**	mg/L	5.0	5.0	1		01/13/21 12:56		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**8.8**	mg/L	5.0	2.5	1		01/21/21 07:13	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		01/13/21 16:13	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.11**	mg/L	0.050	0.025	1		01/12/21 12:55	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B73-2 **Lab ID: 35603691007** Collected: 01/11/21 13:55 Received: 01/11/21 15:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.46**	Std. Units			1		01/11/21 13:55		
Field Temperature	**20.7**	deg C			1		01/11/21 13:55		
Appearance	**Color: yellow, Sheen: none**				1		01/11/21 13:55		
Field Specific Conductance	**364**	umhos/cm			1		01/11/21 13:55		
Oxygen, Dissolved	**1.35**	mg/L			1		01/11/21 13:55	7782-44-7	
REDOX	**6.5**	mV			1		01/11/21 13:55		
Turbidity	**16.5**	NTU			1		01/11/21 13:55		
Water Level(NGVD)	**25.32**	feet			1		01/11/21 13:55		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	01/12/21 12:41	01/12/21 23:33	96-12-8	
1,2-Dibromoethane (EDB)	**0.0077 U**	ug/L	0.010	0.0077	1	01/12/21 12:41	01/12/21 23:33	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**35.3**	ug/L	10.0	0.84	1	01/12/21 07:51	01/18/21 11:11	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/12/21 07:51	01/18/21 11:11	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/12/21 07:51	01/18/21 11:11	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/12/21 07:51	01/18/21 11:11	7440-47-3	
Cobalt	**2.3 I**	ug/L	10.0	0.96	1	01/12/21 07:51	01/18/21 11:11	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/12/21 07:51	01/18/21 11:11	7440-50-8	
Iron	**2350**	ug/L	40.0	25.0	1	01/12/21 07:51	01/18/21 11:11	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/12/21 07:51	01/18/21 11:11	7439-92-1	
Nickel	**2.3 I**	ug/L	5.0	2.1	1	01/12/21 07:51	01/18/21 11:11	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/12/21 07:51	01/18/21 11:11	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/12/21 07:51	01/18/21 11:11	7440-22-4	
Sodium	**7.3**	mg/L	2.0	0.54	1	01/12/21 07:51	01/18/21 11:11	7440-23-5	
Vanadium	**3.0 I**	ug/L	10.0	1.0	1	01/12/21 07:51	01/18/21 11:11	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/12/21 07:51	01/18/21 11:11	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/12/21 07:51	01/13/21 15:15	7440-36-0	
Arsenic	**4.7**	ug/L	1.0	0.50	1	01/12/21 07:51	01/13/21 15:15	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/12/21 07:51	01/13/21 15:15	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/18/21 12:30	01/20/21 12:39	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B73-2 **Lab ID: 35603691007** Collected: 01/11/21 13:55 Received: 01/11/21 15:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/12/21 11:01	67-64-1	J(v1),L3
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/12/21 11:01	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 11:01	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 11:01	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/12/21 11:01	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/12/21 11:01	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/12/21 11:01	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/12/21 11:01	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 11:01	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/12/21 11:01	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 11:01	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/12/21 11:01	75-00-3	J(v1),L3
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 11:01	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/12/21 11:01	74-87-3	J(v1),L3
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/12/21 11:01	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/12/21 11:01	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/12/21 11:01	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/12/21 11:01	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/12/21 11:01	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/12/21 11:01	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 11:01	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 11:01	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 11:01	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 11:01	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 11:01	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/12/21 11:01	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 11:01	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 11:01	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/12/21 11:01	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/12/21 11:01	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/12/21 11:01	75-09-2	J(v1),L3
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/12/21 11:01	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/12/21 11:01	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 11:01	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 11:01	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/12/21 11:01	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/12/21 11:01	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 11:01	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 11:01	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/12/21 11:01	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 11:01	75-69-4	J(v1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/12/21 11:01	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 11:01	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/12/21 11:01	75-01-4	J(v1),L3
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/12/21 11:01	1330-20-7	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B73-2 **Lab ID: 35603691007** Collected: 01/11/21 13:55 Received: 01/11/21 15:00 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									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/12/21 11:01	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		01/12/21 11:01	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		01/12/21 11:01	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**329**	mg/L	5.0	5.0	1		01/14/21 10:54		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**11.8**	mg/L	5.0	2.5	1		01/21/21 07:35	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		01/13/21 16:14	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		01/12/21 17:54	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B73-1 **Lab ID: 35603691008** Collected: 01/11/21 13:01 Received: 01/11/21 15:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.83**	Std. Units			1		01/11/21 13:01		
Field Temperature	**23.8**	deg C			1		01/11/21 13:01		
Appearance	**Color: yellow, Sheen: none**				1		01/11/21 13:01		
Field Specific Conductance	**419**	umhos/cm			1		01/11/21 13:01		
Oxygen, Dissolved	**0.63**	mg/L			1		01/11/21 13:01	7782-44-7	
REDOX	**-60.7**	mV			1		01/11/21 13:01		
Turbidity	**9.53**	NTU			1		01/11/21 13:01		
Water Level(NGVD)	**24.57**	feet			1		01/11/21 13:01		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/12/21 12:41	01/12/21 23:47	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	01/12/21 12:41	01/12/21 23:47	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**53.6**	ug/L	10.0	0.84	1	01/12/21 07:51	01/18/21 11:14	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/12/21 07:51	01/18/21 11:14	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/12/21 07:51	01/18/21 11:14	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/12/21 07:51	01/18/21 11:14	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/12/21 07:51	01/18/21 11:14	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/12/21 07:51	01/18/21 11:14	7440-50-8	
Iron	**11000**	ug/L	40.0	25.0	1	01/12/21 07:51	01/18/21 11:14	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/12/21 07:51	01/18/21 11:14	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/12/21 07:51	01/18/21 11:14	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/12/21 07:51	01/18/21 11:14	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/12/21 07:51	01/18/21 11:14	7440-22-4	
Sodium	**37.8**	mg/L	2.0	0.54	1	01/12/21 07:51	01/18/21 11:14	7440-23-5	
Vanadium	**1.2 I**	ug/L	10.0	1.0	1	01/12/21 07:51	01/18/21 11:14	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/12/21 07:51	01/18/21 11:14	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	01/12/21 07:51	01/13/21 15:17	7440-36-0	
Arsenic	**0.53 I**	ug/L	1.0	0.50	1	01/12/21 07:51	01/13/21 15:17	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/12/21 07:51	01/13/21 15:17	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/18/21 12:30	01/20/21 12:41	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B73-1 **Lab ID: 35603691008** Collected: 01/11/21 13:01 Received: 01/11/21 15:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/12/21 11:27	67-64-1	J(v1),L3
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/12/21 11:27	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 11:27	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 11:27	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/12/21 11:27	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/12/21 11:27	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/12/21 11:27	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/12/21 11:27	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 11:27	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/12/21 11:27	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 11:27	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/12/21 11:27	75-00-3	J(v1),L3
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 11:27	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/12/21 11:27	74-87-3	J(v1),L3
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/12/21 11:27	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/12/21 11:27	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/12/21 11:27	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/12/21 11:27	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/12/21 11:27	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/12/21 11:27	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 11:27	107-06-2	J(v1)
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 11:27	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/12/21 11:27	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 11:27	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/12/21 11:27	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/12/21 11:27	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/12/21 11:27	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 11:27	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/12/21 11:27	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/12/21 11:27	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/12/21 11:27	75-09-2	J(v1),L3
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/12/21 11:27	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/12/21 11:27	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/12/21 11:27	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/12/21 11:27	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/12/21 11:27	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/12/21 11:27	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 11:27	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/12/21 11:27	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/12/21 11:27	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/12/21 11:27	75-69-4	J(v1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/12/21 11:27	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/12/21 11:27	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/12/21 11:27	75-01-4	J(v1),L3
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/12/21 11:27	1330-20-7	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B73-1 **Lab ID: 35603691008** Collected: 01/11/21 13:01 Received: 01/11/21 15:00 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									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/12/21 11:27	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/12/21 11:27	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		01/12/21 11:27	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**400**	mg/L	5.0	5.0	1		01/13/21 12:56		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**18.5**	mg/L	10.0	5.0	2		01/20/21 16:24	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.12**	mg/L	0.050	0.035	1		01/13/21 16:16	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.072**	mg/L	0.050	0.025	1		01/12/21 13:12	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B82-1 **Lab ID: 35603691009** Collected: 01/11/21 15:09 Received: 01/11/21 15:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.45**	Std. Units			1		01/11/21 15:09		
Field Temperature	**24.4**	deg C			1		01/11/21 15:09		
Appearance	**Color: yellow, Sheen: none**				1		01/11/21 15:09		
Field Specific Conductance	**262**	umhos/cm			1		01/11/21 15:09		
Oxygen, Dissolved	**0.69**	mg/L			1		01/11/21 15:09	7782-44-7	
REDOX	**108.3**	mV			1		01/11/21 15:09		
Turbidity	**14.6**	NTU			1		01/11/21 15:09		
Water Level(NGVD)	**23.63**	feet			1		01/11/21 15:09		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/12/21 12:41	01/13/21 00:02	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	01/12/21 12:41	01/13/21 00:02	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**39.5**	ug/L	10.0	0.84	1	01/12/21 07:51	01/18/21 11:17	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/12/21 07:51	01/18/21 11:17	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/12/21 07:51	01/18/21 11:17	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/12/21 07:51	01/18/21 11:17	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/12/21 07:51	01/18/21 11:17	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/12/21 07:51	01/18/21 11:17	7440-50-8	
Iron	**7210**	ug/L	40.0	25.0	1	01/12/21 07:51	01/18/21 11:17	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/12/21 07:51	01/18/21 11:17	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/12/21 07:51	01/18/21 11:17	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/12/21 07:51	01/18/21 11:17	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/12/21 07:51	01/18/21 11:17	7440-22-4	
Sodium	**13.6**	mg/L	2.0	0.54	1	01/12/21 07:51	01/18/21 11:17	7440-23-5	
Vanadium	**2.8 I**	ug/L	10.0	1.0	1	01/12/21 07:51	01/18/21 11:17	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/12/21 07:51	01/18/21 11:17	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/12/21 07:51	01/13/21 15:19	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/12/21 07:51	01/13/21 15:19	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/12/21 07:51	01/13/21 15:19	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/18/21 12:30	01/20/21 12:43	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B82-1 **Lab ID: 35603691009** Collected: 01/11/21 15:09 Received: 01/11/21 15:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/18/21 11:31	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/18/21 11:31	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 11:31	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 11:31	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/18/21 11:31	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/18/21 11:31	75-25-2	J(v2)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/18/21 11:31	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/18/21 11:31	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 11:31	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/18/21 11:31	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 11:31	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/18/21 11:31	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 11:31	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/18/21 11:31	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/18/21 11:31	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/18/21 11:31	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/18/21 11:31	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/18/21 11:31	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/18/21 11:31	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/18/21 11:31	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 11:31	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 11:31	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 11:31	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 11:31	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 11:31	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/18/21 11:31	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 11:31	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 11:31	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/18/21 11:31	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/18/21 11:31	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/18/21 11:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/18/21 11:31	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/18/21 11:31	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 11:31	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 11:31	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/18/21 11:31	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/18/21 11:31	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 11:31	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 11:31	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/18/21 11:31	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 11:31	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/18/21 11:31	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 11:31	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/18/21 11:31	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/18/21 11:31	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Sample: B82-1 **Lab ID: 35603691009** Collected: 01/11/21 15:09 Received: 01/11/21 15:50 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)	94	%	70-130		1		01/18/21 11:31	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		01/18/21 11:31	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		01/18/21 11:31	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**314**	mg/L	5.0	5.0	1		01/14/21 10:54		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**29.9**	mg/L	5.0	2.5	1		01/20/21 16:46	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.062**	mg/L	0.050	0.035	1		01/13/21 16:21	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.10**	mg/L	0.050	0.025	1		01/12/21 17:58	14797-55-8	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

QC Batch: 697419
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603691001, 35603691002, 35603691003, 35603691004, 35603691005, 35603691006, 35603691007, 35603691008, 35603691009

METHOD BLANK: 3797153 Matrix: Water
Associated Lab Samples: 35603691001, 35603691002, 35603691003, 35603691004, 35603691005, 35603691006, 35603691007, 35603691008, 35603691009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	01/20/21 11:55	

LABORATORY CONTROL SAMPLE: 3797154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3797155 3797156

Parameter	Units	35603464005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	1.9	2.0	96	98	75-125	2	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

QC Batch: 695842
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603691001, 35603691002, 35603691003, 35603691004, 35603691005, 35603691006, 35603691007, 35603691008, 35603691009

METHOD BLANK: 3787797 Matrix: Water
Associated Lab Samples: 35603691001, 35603691002, 35603691003, 35603691004, 35603691005, 35603691006, 35603691007, 35603691008, 35603691009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	01/12/21 18:03	
Beryllium	ug/L	0.17 U	4.0	0.17	01/12/21 18:03	
Cadmium	ug/L	0.33 U	1.0	0.33	01/12/21 18:03	
Chromium	ug/L	1.7 U	5.0	1.7	01/12/21 18:03	
Cobalt	ug/L	0.96 U	10.0	0.96	01/12/21 18:03	
Copper	ug/L	2.6 U	5.0	2.6	01/12/21 18:03	
Iron	ug/L	25.0 U	40.0	25.0	01/12/21 18:03	
Lead	ug/L	4.6 U	10.0	4.6	01/12/21 18:03	
Nickel	ug/L	2.1 U	5.0	2.1	01/12/21 18:03	
Selenium	ug/L	8.5 U	15.0	8.5	01/12/21 18:03	
Silver	ug/L	1.0 U	5.0	1.0	01/12/21 18:03	
Sodium	mg/L	0.54 U	2.0	0.54	01/12/21 18:03	
Vanadium	ug/L	1.0 U	10.0	1.0	01/12/21 18:03	
Zinc	ug/L	11.0 U	20.0	11.0	01/12/21 18:03	

LABORATORY CONTROL SAMPLE: 3787798

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	247	99	80-120	
Beryllium	ug/L	25	24.6	99	80-120	
Cadmium	ug/L	25	24.8	99	80-120	
Chromium	ug/L	250	248	99	80-120	
Cobalt	ug/L	250	252	101	80-120	
Copper	ug/L	250	241	96	80-120	
Iron	ug/L	2500	2500	100	80-120	
Lead	ug/L	250	250	100	80-120	
Nickel	ug/L	250	253	101	80-120	
Selenium	ug/L	250	243	97	80-120	
Silver	ug/L	25	24.5	98	80-120	
Sodium	mg/L	12.5	12.5	100	80-120	
Vanadium	ug/L	250	246	98	80-120	
Zinc	ug/L	1250	1230	98	80-120	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3787799 3787800

Parameter	Units	35603030001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	0.84 U	250	250	243	250	97	100	75-125	3	20	
Beryllium	ug/L	0.17 U	25	25	23.9	24.7	96	99	75-125	3	20	
Cadmium	ug/L	0.33 U	25	25	24.2	25.0	97	100	75-125	3	20	
Chromium	ug/L	1.7 U	250	250	242	251	97	100	75-125	3	20	
Cobalt	ug/L	0.96 U	250	250	246	254	98	101	75-125	3	20	
Copper	ug/L	2.6 U	250	250	235	244	94	97	75-125	3	20	
Iron	ug/L	25.0 U	2500	2500	2460	2540	98	101	75-125	3	20	
Lead	ug/L	4.6 U	250	250	242	251	97	101	75-125	4	20	
Nickel	ug/L	2.1 U	250	250	247	255	99	102	75-125	3	20	
Selenium	ug/L	8.5 U	250	250	236	241	94	96	75-125	2	20	
Silver	ug/L	1.0 U	25	25	23.9	24.7	95	99	75-125	3	20	
Sodium	mg/L	0.54 U	12.5	12.5	12.3	12.7	98	101	75-125	3	20	
Vanadium	ug/L	1.0 U	250	250	240	248	96	99	75-125	3	20	
Zinc	ug/L	11.0 U	1250	1250	1210	1240	97	99	75-125	2	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

QC Batch: 695841
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603691001, 35603691002, 35603691003, 35603691004, 35603691005, 35603691006, 35603691007, 35603691008, 35603691009

METHOD BLANK: 3787793 Matrix: Water
Associated Lab Samples: 35603691001, 35603691002, 35603691003, 35603691004, 35603691005, 35603691006, 35603691007, 35603691008, 35603691009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	01/12/21 13:25	
Arsenic	ug/L	0.50 U	1.0	0.50	01/12/21 13:25	
Thallium	ug/L	0.11 U	1.0	0.11	01/12/21 13:25	

LABORATORY CONTROL SAMPLE: 3787794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.9	100	80-120	
Arsenic	ug/L	50	48.8	98	80-120	
Thallium	ug/L	50	51.9	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3787795 3787796

Parameter	Units	35603030002 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	50.2	50.5	100	101	75-125	1	20	
Arsenic	ug/L	0.50 U	50	50	51.1	51.2	101	102	75-125	0	20	
Thallium	ug/L	0.11 U	50	50	51.7	51.9	103	104	75-125	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

QC Batch: 695809
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603691001, 35603691002, 35603691003, 35603691004, 35603691005, 35603691006, 35603691007, 35603691008

METHOD BLANK: 3787553
Matrix: Water
Associated Lab Samples: 35603691001, 35603691002, 35603691003, 35603691004, 35603691005, 35603691006, 35603691007, 35603691008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/12/21 01:37	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/12/21 01:37	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/12/21 01:37	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/12/21 01:37	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/12/21 01:37	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/12/21 01:37	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/12/21 01:37	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/12/21 01:37	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	01/12/21 01:37	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/12/21 01:37	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/12/21 01:37	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	01/12/21 01:37	
2-Hexanone	ug/L	3.2 U	25.0	3.2	01/12/21 01:37	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/12/21 01:37	
Acetone	ug/L	5.3 U	25.0	5.3	01/12/21 01:37	J(v1)
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/12/21 01:37	
Benzene	ug/L	0.30 U	1.0	0.30	01/12/21 01:37	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/12/21 01:37	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/12/21 01:37	
Bromoform	ug/L	0.48 U	3.0	0.48	01/12/21 01:37	
Bromomethane	ug/L	8.1 U	10.0	8.1	01/12/21 01:37	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/12/21 01:37	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/12/21 01:37	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/12/21 01:37	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/12/21 01:37	J(v1)
Chloroform	ug/L	0.32 U	1.0	0.32	01/12/21 01:37	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/12/21 01:37	J(v1)
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/12/21 01:37	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/12/21 01:37	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/12/21 01:37	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/12/21 01:37	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/12/21 01:37	
Iodomethane	ug/L	9.3 U	10.0	9.3	01/12/21 01:37	
Methylene Chloride	ug/L	4.4 U	5.0	4.4	01/12/21 01:37	J(v1)
Styrene	ug/L	0.26 U	1.0	0.26	01/12/21 01:37	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/12/21 01:37	
Toluene	ug/L	0.33 U	1.0	0.33	01/12/21 01:37	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/12/21 01:37	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/12/21 01:37	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

METHOD BLANK: 3787553 Matrix: Water
Associated Lab Samples: 35603691001, 35603691002, 35603691003, 35603691004, 35603691005, 35603691006, 35603691007, 35603691008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/12/21 01:37	
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/12/21 01:37	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	01/12/21 01:37	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/12/21 01:37	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/12/21 01:37	J(v1)
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/12/21 01:37	
1,2-Dichlorobenzene-d4 (S)	%	106	70-130		01/12/21 01:37	
4-Bromofluorobenzene (S)	%	100	70-130		01/12/21 01:37	
Toluene-d8 (S)	%	103	70-130		01/12/21 01:37	

LABORATORY CONTROL SAMPLE: 3787554

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.6	98	70-130	
1,1,1-Trichloroethane	ug/L	20	20.3	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.5	92	68-125	
1,1,2-Trichloroethane	ug/L	20	19.5	98	70-130	
1,1-Dichloroethane	ug/L	20	18.4	92	70-130	
1,1-Dichloroethene	ug/L	20	21.6	108	66-133	
1,2,3-Trichloropropane	ug/L	20	19.1	95	62-127	
1,2-Dichlorobenzene	ug/L	20	18.9	95	70-130	
1,2-Dichloroethane	ug/L	20	20.2	101	70-130	
1,2-Dichloropropane	ug/L	20	20.3	101	70-130	
1,4-Dichlorobenzene	ug/L	20	18.7	94	70-130	
2-Butanone (MEK)	ug/L	100	112	112	47-143	
2-Hexanone	ug/L	100	99.7	100	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.8	100	57-132	
Acetone	ug/L	100	150	150	46-148	J(v1),L3
Acrylonitrile	ug/L	100	102	102	60-143	
Benzene	ug/L	20	20.7	103	70-130	
Bromochloromethane	ug/L	20	20.9	105	70-130	
Bromodichloromethane	ug/L	20	21.9	110	70-130	
Bromoform	ug/L	20	23.9	119	49-126	
Bromomethane	ug/L	20	19.2	96	10-165	
Carbon disulfide	ug/L	20	21.6	108	60-141	
Carbon tetrachloride	ug/L	20	20.7	104	63-126	
Chlorobenzene	ug/L	20	19.5	97	70-130	
Chloroethane	ug/L	20	29.1	145	71-142	J(v1),L3
Chloroform	ug/L	20	19.8	99	70-130	
Chloromethane	ug/L	20	28.6	143	40-140	J(v1),L3
cis-1,2-Dichloroethene	ug/L	20	18.5	93	70-130	
cis-1,3-Dichloropropene	ug/L	20	22.6	113	70-130	
Dibromochloromethane	ug/L	20	19.7	98	62-118	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

LABORATORY CONTROL SAMPLE: 3787554

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromomethane	ug/L	20	21.4	107	70-130	
Ethylbenzene	ug/L	20	19.1	96	70-130	
Iodomethane	ug/L	20	17.9	89	10-164	
Methylene Chloride	ug/L	20	28.1	140	65-136	L3
Styrene	ug/L	20	17.8	89	70-130	
Tetrachloroethene	ug/L	20	19.4	97	64-134	
Toluene	ug/L	20	17.7	89	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.3	87	68-127	
trans-1,3-Dichloropropene	ug/L	20	21.3	106	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	16.8	84	42-129	
Trichloroethene	ug/L	20	21.1	106	70-130	
Trichlorofluoromethane	ug/L	20	25.0	125	65-135	J(v1)
Vinyl acetate	ug/L	20	22.7	114	60-144	
Vinyl chloride	ug/L	20	26.7	133	68-131	J(v1),L3
Xylene (Total)	ug/L	60	58.0	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			108	70-130	
Toluene-d8 (S)	%			107	70-130	

MATRIX SPIKE SAMPLE: 3787556

Parameter	Units	35603183003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	19.0	95	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	20.0	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	18.5	93	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	18.9	95	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	18.5	92	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	21.9	109	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	18.9	95	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	18.5	92	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	20.5	103	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	20.9	104	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	18.1	90	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	101	101	47-143	
2-Hexanone	ug/L	3.2 U	100	99.3	99	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	101	101	57-132	
Acetone	ug/L	5.3 U	100	125	122	46-148	J(v1)
Acrylonitrile	ug/L	3.7 U	100	98.1	98	60-143	
Benzene	ug/L	0.30 U	20	20.9	104	70-130	
Bromochloromethane	ug/L	0.37 U	20	20.8	104	70-130	
Bromodichloromethane	ug/L	0.19 U	20	20.9	104	70-130	
Bromoform	ug/L	0.48 U	20	21.5	108	49-126	
Bromomethane	ug/L	8.1 U	20	16.7	84	10-165	
Carbon disulfide	ug/L	1.8 U	20	22.2	111	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	21.5	108	63-126	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

MATRIX SPIKE SAMPLE: 3787556

Parameter	Units	35603183003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	0.35 U	20	19.3	97	70-130	
Chloroethane	ug/L	3.7 U	20	29.2	146	71-142	J(M0),J(v1)
Chloroform	ug/L	0.32 U	20	19.6	98	70-130	
Chloromethane	ug/L	0.43 U	20	28.5	143	40-140	J(M0),J(v1)
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	19.4	97	70-130	
Dibromochloromethane	ug/L	0.45 U	20	18.5	92	62-118	
Dibromomethane	ug/L	0.68 U	20	20.8	104	70-130	
Ethylbenzene	ug/L	0.30 U	20	19.1	96	70-130	
Iodomethane	ug/L	9.3 U	20	19.1	95	10-164	
Methylene Chloride	ug/L	4.4 U	20	26.0	130	65-136	J(v1)
Styrene	ug/L	0.26 U	20	17.6	88	70-130	
Tetrachloroethene	ug/L	0.38 U	20	18.6	93	64-134	
Toluene	ug/L	0.33 U	20	15.3	77	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	17.1	86	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	20.5	103	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	17.1	85	42-129	
Trichloroethene	ug/L	0.36 U	20	21.1	105	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	25.1	126	65-135	J(v1)
Vinyl acetate	ug/L	1.8 U	20	20.5	102	60-144	
Vinyl chloride	ug/L	0.39 U	20	27.2	136	68-131	J(M0),J(v1)
Xylene (Total)	ug/L	2.1 U	60	57.3	96	70-130	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				103	70-130	
Toluene-d8 (S)	%				110	70-130	

SAMPLE DUPLICATE: 3787555

Parameter	Units	35603183002 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-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	
1,4-Dichlorobenzene	ug/L	0.45 I	0.45 I		40	
2-Butanone (MEK)	ug/L	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	J(v1)
Acrylonitrile	ug/L	3.7 U	3.7 U		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

SAMPLE DUPLICATE: 3787555

Parameter	Units	35603183002 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	6.7	6.9	4	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	8.1 U	8.1 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	7.7	7.8	1	40	
Chloroethane	ug/L	3.7 U	3.7 U		40	J(v1)
Chloroform	ug/L	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	J(v1)
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	9.3 U	9.3 U		40	
Methylene Chloride	ug/L	4.4 U	4.4 U		40	J(v1)
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 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	0.35 U	0.35 U		40	J(v1)
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	0.39 U	0.39 U		40	J(v1)
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	104	106			
4-Bromofluorobenzene (S)	%	102	102		40	
Toluene-d8 (S)	%	98	102		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

QC Batch: 697371
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35603691009

METHOD BLANK: 3797005 Matrix: Water
Associated Lab Samples: 35603691009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/18/21 01:50	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/18/21 01:50	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/18/21 01:50	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/18/21 01:50	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/18/21 01:50	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/18/21 01:50	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/18/21 01:50	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/18/21 01:50	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	01/18/21 01:50	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/18/21 01:50	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/18/21 01:50	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	01/18/21 01:50	
2-Hexanone	ug/L	3.2 U	25.0	3.2	01/18/21 01:50	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/18/21 01:50	
Acetone	ug/L	5.3 U	25.0	5.3	01/18/21 01:50	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/18/21 01:50	
Benzene	ug/L	0.30 U	1.0	0.30	01/18/21 01:50	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/18/21 01:50	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/18/21 01:50	
Bromoform	ug/L	0.48 U	3.0	0.48	01/18/21 01:50	J(v2)
Bromomethane	ug/L	8.1 U	10.0	8.1	01/18/21 01:50	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/18/21 01:50	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/18/21 01:50	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/18/21 01:50	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/18/21 01:50	
Chloroform	ug/L	0.32 U	1.0	0.32	01/18/21 01:50	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/18/21 01:50	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/18/21 01:50	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/18/21 01:50	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/18/21 01:50	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/18/21 01:50	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/18/21 01:50	
Iodomethane	ug/L	9.3 U	10.0	9.3	01/18/21 01:50	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	01/18/21 01:50	
Styrene	ug/L	0.26 U	1.0	0.26	01/18/21 01:50	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/18/21 01:50	
Toluene	ug/L	0.33 U	1.0	0.33	01/18/21 01:50	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/18/21 01:50	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/18/21 01:50	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/18/21 01:50	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

METHOD BLANK: 3797005 Matrix: Water
Associated Lab Samples: 35603691009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/18/21 01:50	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	01/18/21 01:50	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/18/21 01:50	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/18/21 01:50	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/18/21 01:50	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130		01/18/21 01:50	
4-Bromofluorobenzene (S)	%	95	70-130		01/18/21 01:50	
Toluene-d8 (S)	%	98	70-130		01/18/21 01:50	

LABORATORY CONTROL SAMPLE: 3797006

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.4	92	70-130	
1,1,1-Trichloroethane	ug/L	20	18.2	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.7	99	68-125	
1,1,2-Trichloroethane	ug/L	20	19.8	99	70-130	
1,1-Dichloroethane	ug/L	20	20.9	104	70-130	
1,1-Dichloroethene	ug/L	20	18.3	91	66-133	
1,2,3-Trichloropropane	ug/L	20	17.5	88	62-127	
1,2-Dichlorobenzene	ug/L	20	18.6	93	70-130	
1,2-Dichloroethane	ug/L	20	20.3	101	70-130	
1,2-Dichloropropane	ug/L	20	20.3	101	70-130	
1,4-Dichlorobenzene	ug/L	20	18.5	92	70-130	
2-Butanone (MEK)	ug/L	100	82.8	83	47-143	
2-Hexanone	ug/L	100	81.2	81	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	85.0	85	57-132	
Acetone	ug/L	100	89.8	90	46-148	
Acrylonitrile	ug/L	100	115	115	60-143	
Benzene	ug/L	20	20.4	102	70-130	
Bromochloromethane	ug/L	20	20.7	103	70-130	
Bromodichloromethane	ug/L	20	20.3	101	70-130	
Bromoform	ug/L	20	14.4	72	49-126	J(v3)
Bromomethane	ug/L	20	10.5	52	10-165	J(v3)
Carbon disulfide	ug/L	20	17.0	85	60-141	
Carbon tetrachloride	ug/L	20	18.3	92	63-126	
Chlorobenzene	ug/L	20	19.3	96	70-130	
Chloroethane	ug/L	20	17.0	85	71-142	
Chloroform	ug/L	20	20.5	102	70-130	
Chloromethane	ug/L	20	17.5	87	40-140	
cis-1,2-Dichloroethene	ug/L	20	20.2	101	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.4	97	70-130	
Dibromochloromethane	ug/L	20	20.3	102	62-118	
Dibromomethane	ug/L	20	20.1	100	70-130	
Ethylbenzene	ug/L	20	18.8	94	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

LABORATORY CONTROL SAMPLE: 3797006

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	12.4	62	10-164	J(v3)
Methylene Chloride	ug/L	20	18.1	91	65-136	
Styrene	ug/L	20	16.8	84	70-130	
Tetrachloroethene	ug/L	20	19.8	99	64-134	
Toluene	ug/L	20	19.1	95	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.2	96	68-127	
trans-1,3-Dichloropropene	ug/L	20	18.6	93	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	16.0	80	42-129	
Trichloroethene	ug/L	20	19.1	96	70-130	
Trichlorofluoromethane	ug/L	20	16.3	81	65-135	
Vinyl acetate	ug/L	20	19.8	99	60-144	
Vinyl chloride	ug/L	20	16.4	82	68-131	
Xylene (Total)	ug/L	60	53.4	89	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 3803022

Parameter	Units	35605161009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	18.7	93	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	20.9	105	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	18.7	93	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	19.5	98	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	21.8	109	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	20.0	100	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	16.6	83	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	18.8	94	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	19.9	99	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	20.8	104	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	18.5	92	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	78.7	79	47-143	
2-Hexanone	ug/L	3.2 U	100	74.7	75	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	77.0	77	57-132	
Acetone	ug/L	5.3 U	100	84.6	85	46-148	
Acrylonitrile	ug/L	3.7 U	100	108	108	60-143	
Benzene	ug/L	0.30 U	20	21.5	107	70-130	
Bromochloromethane	ug/L	0.37 U	20	20.6	103	70-130	
Bromodichloromethane	ug/L	0.19 U	20	20.9	105	70-130	
Bromoform	ug/L	0.48 U	20	14.1	71	49-126	J(v3)
Bromomethane	ug/L	8.1 U	20	8.1 U	21	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	15.9	79	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	20.5	103	63-126	
Chlorobenzene	ug/L	0.35 U	20	19.5	98	70-130	
Chloroethane	ug/L	3.7 U	20	19.3	96	71-142	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

MATRIX SPIKE SAMPLE: 3803022

Parameter	Units	35605161009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	21.5	108	70-130	
Chloromethane	ug/L	0.43 U	20	18.3	92	40-140	
cis-1,2-Dichloroethene	ug/L	1.6	20	22.7	105	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	16.7	84	70-130	
Dibromochloromethane	ug/L	0.45 U	20	19.8	99	62-118	
Dibromomethane	ug/L	0.68 U	20	19.6	98	70-130	
Ethylbenzene	ug/L	0.30 U	20	19.6	98	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	23	10-164	J(v3)
Methylene Chloride	ug/L	4.4 U	20	18.5	92	65-136	
Styrene	ug/L	0.26 U	20	16.6	83	70-130	
Tetrachloroethene	ug/L	0.38 U	20	18.4	92	64-134	
Toluene	ug/L	0.33 U	20	19.5	97	70-130	
trans-1,2-Dichloroethene	ug/L	0.43 I	20	20.9	102	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	17.5	87	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	12.1	60	42-129	
Trichloroethene	ug/L	0.36 U	20	20.5	103	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	18.5	93	65-135	
Vinyl acetate	ug/L	1.8 U	20	14.6	73	60-144	
Vinyl chloride	ug/L	30.6	20	47.5	84	68-131	
Xylene (Total)	ug/L	2.1 U	60	54.5	91	70-130	
1,2-Dichlorobenzene-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 3797007

Parameter	Units	35605161008 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-Dichloroethane	ug/L	0.27 U	0.27 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	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

SAMPLE DUPLICATE: 3797007

Parameter	Units	35605161008 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	J(v2)
Bromomethane	ug/L	8.1 U	8.1 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	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	
cis-1,2-Dichloroethene	ug/L	93.1	93.7	1	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	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 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	1.6	1.6	2	40	
trans-1,2-Dichloroethene	ug/L	8.9	8.9	0	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	0.35 U	0.35 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	125	122	2	40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	105	105			
4-Bromofluorobenzene (S)	%	95	96		40	
Toluene-d8 (S)	%	97	97		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

QC Batch: 695888
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603691001, 35603691002, 35603691003, 35603691004, 35603691005, 35603691006, 35603691007, 35603691008, 35603691009

METHOD BLANK: 3787889 Matrix: Water
Associated Lab Samples: 35603691001, 35603691002, 35603691003, 35603691004, 35603691005, 35603691006, 35603691007, 35603691008, 35603691009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	01/12/21 20:34	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	01/12/21 20:34	

LABORATORY CONTROL SAMPLE: 3787890

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.25	101	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.25	102	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3787891 3787892

Parameter	Units	35603767004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.44	0.44	0.56	0.55	129	126	60-140	2	40	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.44	0.44	0.53	0.51	120	117	60-140	3	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

QC Batch: 696179 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603691001, 35603691002, 35603691003, 35603691004, 35603691005, 35603691006, 35603691008

METHOD BLANK: 3789514 Matrix: Water
Associated Lab Samples: 35603691001, 35603691002, 35603691003, 35603691004, 35603691005, 35603691006, 35603691008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	01/13/21 12:55	

LABORATORY CONTROL SAMPLE: 3789515

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

SAMPLE DUPLICATE: 3789516

Parameter	Units	35603523001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	884	856	3	10	

SAMPLE DUPLICATE: 3789517

Parameter	Units	35603691002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	586	612	4	10	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

QC Batch: 696561
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603691007, 35603691009

METHOD BLANK: 3791956 Matrix: Water
Associated Lab Samples: 35603691007, 35603691009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	01/14/21 10:54	

LABORATORY CONTROL SAMPLE: 3791957

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

SAMPLE DUPLICATE: 3791958

Parameter	Units	35603691007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	329	313	5	10	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

QC Batch: 698295
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: 35603691008, 35603691009

METHOD BLANK: 3801404 Matrix: Water
Associated Lab Samples: 35603691008, 35603691009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	01/20/21 15:40	

LABORATORY CONTROL SAMPLE: 3801405

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.3	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3801406 3801407

Parameter	Units	35603691009 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	84.1	83.8	108	108	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3801408 3801409

Parameter	Units	35604487003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	81.2	50	50	137	141	111	120	90-110	3	20	J(M1), L

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

QC Batch: 698300 | 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: 35603691001, 35603691002, 35603691003, 35603691004, 35603691005, 35603691006, 35603691007

METHOD BLANK: 3801457 Matrix: Water
Associated Lab Samples: 35603691001, 35603691002, 35603691003, 35603691004, 35603691005, 35603691006, 35603691007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	01/21/21 02:47	

LABORATORY CONTROL SAMPLE: 3801458

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: 3801459 3801460

Parameter	Units	35603464005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	29.1	50	50	83.2	83.3	108	109	90-110	0	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

QC Batch: 696259
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: 35603691001, 35603691002, 35603691003

METHOD BLANK: 3789946 Matrix: Water
Associated Lab Samples: 35603691001, 35603691002, 35603691003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	01/13/21 14:24	

LABORATORY CONTROL SAMPLE: 3789947

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3789949 3789948

Parameter	Units	35603391002 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	0.38	1	1	1.4	1.4	104	104	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3789950 3789951

Parameter	Units	35603520001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	1.1	1.0	103	101	90-110	2	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

QC Batch: 696376
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: 35603691004, 35603691005, 35603691006, 35603691007, 35603691008, 35603691009

METHOD BLANK: 3790701 Matrix: Water
Associated Lab Samples: 35603691004, 35603691005, 35603691006, 35603691007, 35603691008, 35603691009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	01/13/21 15:41	

LABORATORY CONTROL SAMPLE: 3790702

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: 3790704 3790703

Parameter	Units	35604054007 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	0.076	1	1	1.2	1.1	108	106	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3790705 3790706

Parameter	Units	35603691005 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	0.15	1	1	1.2	1.2	107	107	90-110	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

QC Batch: 695912
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: 35603691001, 35603691002, 35603691003, 35603691004

METHOD BLANK: 3788077 Matrix: Water
Associated Lab Samples: 35603691001, 35603691002, 35603691003, 35603691004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/12/21 11:02	
Nitrogen, Nitrite	mg/L	0.025 U	0.050	0.025	01/12/21 11:02	
Nitrogen, NO2 plus NO3	mg/L	0.033 U	0.050	0.033	01/12/21 11:02	

LABORATORY CONTROL SAMPLE: 3788078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrite	mg/L	1	1.0	100	90-110	
Nitrogen, NO2 plus NO3	mg/L	2	2.2	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3788080 3788079

Parameter	Units	35603738006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrite	mg/L	0.025 U	1	1	0.99	1.1	98	105	90-110	6	20	
Nitrogen, NO2 plus NO3	mg/L	0.033 U	2	2	2.1	2.2	106	110	90-110	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3788082 3788081

Parameter	Units	35603691004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrite	mg/L	0.12 U	5	5	5.0	4.8	100	95	90-110	5	20	
Nitrogen, NO2 plus NO3	mg/L	0.16 U	10	10	10.6	10.2	106	102	90-110	3	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

QC Batch: 695932
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: 35603691005, 35603691006, 35603691008

METHOD BLANK: 3788132 Matrix: Water
Associated Lab Samples: 35603691005, 35603691006, 35603691008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/12/21 12:37	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

QC Batch: 696090
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: 35603691007, 35603691009

METHOD BLANK: 3788962 Matrix: Water
Associated Lab Samples: 35603691007, 35603691009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/12/21 17:52	

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QUALIFIERS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

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.

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(M0)	Estimated Value. Matrix spike recovery was outside laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35603691002	**B43-1**				
35603691003	**B43-1 Dup**				
35603691004	**B43-2**				
35603691005	**B71**				
35603691006	**B72**				
35603691007	**B73-2**				
35603691008	**B73-1**				
35603691009	**B82-1**				
35603691001	**EQ Blank 1/11/21**	EPA 8011	695888	EPA 8011	696081
35603691002	**B43-1**	EPA 8011	695888	EPA 8011	696081
35603691003	**B43-1 Dup**	EPA 8011	695888	EPA 8011	696081
35603691004	**B43-2**	EPA 8011	695888	EPA 8011	696081
35603691005	**B71**	EPA 8011	695888	EPA 8011	696081
35603691006	**B72**	EPA 8011	695888	EPA 8011	696081
35603691007	**B73-2**	EPA 8011	695888	EPA 8011	696081
35603691008	**B73-1**	EPA 8011	695888	EPA 8011	696081
35603691009	**B82-1**	EPA 8011	695888	EPA 8011	696081
35603691001	**EQ Blank 1/11/21**	EPA 3010	695842	EPA 6010	695867
35603691002	**B43-1**	EPA 3010	695842	EPA 6010	695867
35603691003	**B43-1 Dup**	EPA 3010	695842	EPA 6010	695867
35603691004	**B43-2**	EPA 3010	695842	EPA 6010	695867
35603691005	**B71**	EPA 3010	695842	EPA 6010	695867
35603691006	**B72**	EPA 3010	695842	EPA 6010	695867
35603691007	**B73-2**	EPA 3010	695842	EPA 6010	695867
35603691008	**B73-1**	EPA 3010	695842	EPA 6010	695867
35603691009	**B82-1**	EPA 3010	695842	EPA 6010	695867
35603691001	**EQ Blank 1/11/21**	EPA 3010	695841	EPA 6020	695931
35603691002	**B43-1**	EPA 3010	695841	EPA 6020	695931
35603691003	**B43-1 Dup**	EPA 3010	695841	EPA 6020	695931
35603691004	**B43-2**	EPA 3010	695841	EPA 6020	695931
35603691005	**B71**	EPA 3010	695841	EPA 6020	695931
35603691006	**B72**	EPA 3010	695841	EPA 6020	695931
35603691007	**B73-2**	EPA 3010	695841	EPA 6020	695931
35603691008	**B73-1**	EPA 3010	695841	EPA 6020	695931
35603691009	**B82-1**	EPA 3010	695841	EPA 6020	695931
35603691001	**EQ Blank 1/11/21**	EPA 7470	697419	EPA 7470	697617
35603691002	**B43-1**	EPA 7470	697419	EPA 7470	697617
35603691003	**B43-1 Dup**	EPA 7470	697419	EPA 7470	697617
35603691004	**B43-2**	EPA 7470	697419	EPA 7470	697617
35603691005	**B71**	EPA 7470	697419	EPA 7470	697617
35603691006	**B72**	EPA 7470	697419	EPA 7470	697617
35603691007	**B73-2**	EPA 7470	697419	EPA 7470	697617
35603691008	**B73-1**	EPA 7470	697419	EPA 7470	697617
35603691009	**B82-1**	EPA 7470	697419	EPA 7470	697617
35603691001	**EQ Blank 1/11/21**	EPA 8260	695809		
35603691002	**B43-1**	EPA 8260	695809		

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
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(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35603691003	**B43-1 Dup**	EPA 8260	695809		
35603691004	**B43-2**	EPA 8260	695809		
35603691005	**B71**	EPA 8260	695809		
35603691006	**B72**	EPA 8260	695809		
35603691007	**B73-2**	EPA 8260	695809		
35603691008	**B73-1**	EPA 8260	695809		
35603691009	**B82-1**	EPA 8260	697371		
35603691001	**EQ Blank 1/11/21**	SM 2540C	696179		
35603691002	**B43-1**	SM 2540C	696179		
35603691003	**B43-1 Dup**	SM 2540C	696179		
35603691004	**B43-2**	SM 2540C	696179		
35603691005	**B71**	SM 2540C	696179		
35603691006	**B72**	SM 2540C	696179		
35603691007	**B73-2**	SM 2540C	696561		
35603691008	**B73-1**	SM 2540C	696179		
35603691009	**B82-1**	SM 2540C	696561		
35603691001	**EQ Blank 1/11/21**	EPA 300.0	698300		
35603691002	**B43-1**	EPA 300.0	698300		
35603691003	**B43-1 Dup**	EPA 300.0	698300		
35603691004	**B43-2**	EPA 300.0	698300		
35603691005	**B71**	EPA 300.0	698300		
35603691006	**B72**	EPA 300.0	698300		
35603691007	**B73-2**	EPA 300.0	698300		
35603691008	**B73-1**	EPA 300.0	698295		
35603691009	**B82-1**	EPA 300.0	698295		
35603691001	**EQ Blank 1/11/21**	EPA 350.1	696259		
35603691002	**B43-1**	EPA 350.1	696259		
35603691003	**B43-1 Dup**	EPA 350.1	696259		
35603691004	**B43-2**	EPA 350.1	696376		
35603691005	**B71**	EPA 350.1	696376		
35603691006	**B72**	EPA 350.1	696376		
35603691007	**B73-2**	EPA 350.1	696376		
35603691008	**B73-1**	EPA 350.1	696376		
35603691009	**B82-1**	EPA 350.1	696376		
35603691001	**EQ Blank 1/11/21**	EPA 353.2	695912		
35603691002	**B43-1**	EPA 353.2	695912		
35603691003	**B43-1 Dup**	EPA 353.2	695912		
35603691004	**B43-2**	EPA 353.2	695912		
35603691005	**B71**	EPA 353.2	695932		
35603691006	**B72**	EPA 353.2	695932		
35603691007	**B73-2**	EPA 353.2	696090		
35603691008	**B73-1**	EPA 353.2	695932		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35603691

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35603691009	**B82-1**	EPA 353.2	696090		

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WO# : 35603691

35603691

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A — Required Client Information:

Company:	Volusia County Solid Waste Management
Address:	1990 Tomoka Farms Road
	Port Orange, FL 32128
Email:	jstirk@volusia.org
Phone:	386-527-6336 Fax:
Requested Due Date:	

Section B — Required Project Information:

Report To:	Jennifer Stirk
Copy To:	
Purchase Order #:	
Project Name:	Tomoka LF Semi-annual MWs
Project #:	

Section C — Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	jeff.baylor@pacelabs.com,
Pace Profile #:	1590, Line 1

Regulatory Agency

State / Location

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	TDS, NO3, CL	ammonia	Metals by 6010/6020/Hg	EDB 8011	8260 VOCs Full List	TRIP BLANK	Residual Chlorine (Y/N)
1	EQ					1-11-21	8:45												X	X	X	X	X	•	
2	B43-1						9:18																		
3	Dup						9:19																		
4	B43-2						9:57																		
5	B-71						10:51																		
6	B72						11:42																		
7	B73-2						1355																		
8	B73-1						1301																		
9	B82-1						1509																		
10	TRIP BLANK						0000																	X	
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Empty Bottles	Pace Bottle Prep	11/8/20	1206				
	Bruce Foster	1-11-21	1550	FedEx / Pace	1/11/21	1550	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Bruce Foster

SIGNATURE of SAMPLER: [signature] DATE Signed: 1-11-21

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
1.3	Y	N	Y

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

(UR)

WO#: 35603691

PM: JSB **Due Date: 01/25/21**

CLIENT: VOLDPW

Project #

Project Manager:

Client:

Date and Initials of person:
Examining contents: AS
Label:
Deliver:
pH:

Thermometer Used: T-337 Date: 1/11/21 Time: 1546 Initials: EMF

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

Cooler #1 Temp.°C	13.7	**(Visual)**	0.0	**(Correction Factor)**	13.7	**(Actual)**
Cooler #2 Temp.°C	4.0	**(Visual)**	0.0	**(Correction Factor)**	4.0	**(Actual)**
Cooler #3 Temp.°C		**(Visual)**		**(Correction Factor)**		**(Actual)**
Cooler #4 Temp.°C		**(Visual)**		**(Correction Factor)**		**(Actual)**
Cooler #5 Temp.°C		**(Visual)**		**(Correction Factor)**		**(Actual)**
Cooler #6 Temp.°C		**(Visual)**		**(Correction Factor)**		**(Actual)**

☐ Samples on ice, cooling process has begun (each cooler)

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

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

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

Tracking #

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals intact:** ☐ Yes ☐ No **Ice:** (Wet) Blue Dry None

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

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

Comments:

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

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments): Trip blanks received empty

Project Manager Review: Date:

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County - Solid Waste	SITE LOCATION: TOMOKA LF SEMX	
WELL NO: EQ	SAMPLE ID: EQ	DATE: 1-11-21

PURGING DATA

WELL DIAMETER (inches): 2"	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 BP
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

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

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

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

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Bruce Rostan	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 8:41	SAMPLING ENDED AT:
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)
	1	PE	1000	ICE			TDS NO3 Cl	APP	400
	1	1	250	HNO3			6010 6020 Hg	1	1
	1	1	1	H2SO4			NH3	1	1
	2	CG	40	ICE			8011	1	1
	3	1	1	HCL			8260	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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF SEMI	
WELL NO: 1343-1 / Dup	SAMPLE ID: 1343-1 / Dup	DATE: 1-11-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.08	PURGE PUMP TYPE OR BAILER: pp

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)
= (28.66 feet – 5.08 feet) X 0.16 gallons/foot = 3.7728 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7	PURGING INITIATED AT: 8:50	PURGING ENDED AT: 9:18	TOTAL VOLUME PURGED (gallons): 6.16

TIME (15 / 5)	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)
9:08	3.96	3.96	0.22	5.93	5.92	22.3	794	0.86	17.8	clear	sulfer
9:13	1.10	5.06	0.22	5.93	5.90	22.4	812	0.72	13.6	1	1
9:18	1.10	6.16	0.22	5.93	5.89	22.4	822	0.61	11.4		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 9:18	SAMPLING ENDED AT: 9:27
PUMP OR TUBING DEPTH IN WELL (feet): 7	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)	

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)
	1	PE	1000	ICE			TDS NO3 Cl	APP	200
	1	1	250	HNO3			6010 6020 Hg	1	1
	1		1	H2SO4			NH3		
	2	CG	40	ICE			8011		
	3	1	1	HCl			8260		

REMARKS: ORP 35.3 28.6 31.4

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Sewer	
WELL NO: B13-B	SAMPLE ID: B13-2	DATE: 7/1-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.26	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.73 feet – 5.26 feet) X 0.16 gallons/foot = 1.5152 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8	PURGING INITIATED AT: 9:42	PURGING ENDED AT: 9:57	TOTAL VOLUME PURGED (gallons): 2.70

TIME 9:53	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)
9:51	1.62	1.62	0.18	6.12	6.38	20.4	632	1.74	23.6	yellow	sulfur
9:54	0.54	2.16	0.18	6.12	6.38	20.4	633	1.51	24.2	"	"
9:57	0.54	2.70	0.18	6.12	6.38	20.4	634	1.43	25.4	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Bruce Fosten	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 9:57	SAMPLING ENDED AT: 10:03
PUMP OR TUBING DEPTH IN WELL (feet): 8	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)
	1	PE	1000	ICE			TDS M97 (C	APP	400
	1	"	250	HNO3			Gold 6020 HL	"	"
	1	"	1	H2SO4			NH3	"	"
	2	CG	40	ICE			8011	"	"
	3	"	1	HCL			8260	"	"

REMARKS:
ORP −0.5 −2.6 −3.9

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Stone
WELL NO: B-71	SAMPLE ID: B-71	DATE: 1-11-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.39	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)
= (21.38 feet − 5.39 feet) X 0.16 gallons/foot = 2.5584 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8	PURGING INITIATED AT: 10:27	PURGING ENDED AT: 10:51	TOTAL VOLUME PURGED (gallons): 4.80

TIME (16)	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)
10:43	3.20	3.20	0.20	6.34	6.49	20.87	420	1.76	5.78	yellow	sulfur
10:47	0.80	4.00	0.20	6.34	6.46	20.8	422	1.52	5.20	1	1
10:51	0.80	4.80	0.20	6.34	6.42	20.8	424	1.33	3.78	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: Bruce Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:51	SAMPLING ENDED AT: 10:56
PUMP OR TUBING DEPTH IN WELL (feet): 8	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)
	1	PE	1000	TCG			TDS NO3 Cl	APP	200
	1	1	250	HNO3			6010 6020 1.6		
	1	1	1	H2SO4			NH3		
	2	CG	40	HCl			8011		
	3	1	1	HCl			8260		

REMARKS:
ORP 61.8 61.5 60.7

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF SCME
WELL NO: B-72	SAMPLE ID: B-72
DATE: 1-11-21	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 3.89	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)
= (21.77 feet – 3.89 feet) X 0.16 gallons/foot = 2.9608 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: 11:14	PURGING ENDED AT: 11:42	TOTAL VOLUME PURGED (gallons): 4.48

TIME (5 min)	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)
11:32	2.88	2.88	0.16	6.69	6.71	22.2	541	1.23	2.79	yellow	Sulfur
11:37	0.80	3.68	0.16	6.69	6.70	22.3	541	1.11	2.83	1	1
11:42	0.80	4.48	0.16	6.69	6.69	22.2	540	0.96	1.86	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: Bruce Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:42	SAMPLING ENDED AT: 11:48
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)
	1	PE	1000	HE			TDS NO3 Cl	APP	400
	1	|	250	HNO3			6010 6020 Hg	|	|
	1	|	250	H2SO4			NH3		
	2	CG	40	HCl			8011		
	3	1	1	1 1 CC			8260		

REMARKS: 86.6

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi	
WELL NO: 1373-2	SAMPLE ID: 1373-2	DATE: 1-11-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 3.90	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)
= (20.38 feet – 3.90 feet) X 0.16 gallons/foot = 2.6368 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 0.16 feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7	PURGING INITIATED AT: 13:32	PURGING ENDED AT: 13:55	TOTAL VOLUME PURGED (gallons): 4.14

TIME (15)	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)
13:47	2.70	2.70	0.18	5.82	6.51	20.5	379	1.53	17.1	yellow	sulfur
13:51	0.72	3.42	0.18	5.82	6.48	20.7	369	1.46	16.4	"	"
13:55	0.72	4.14	0.18	5.82	6.46	20.7	364	1.35	16.5	"	"

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: Bruce Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:55	SAMPLING ENDED AT: 14:01
PUMP OR TUBING DEPTH IN WELL (feet): 7	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)
	1	PE	1000	ICE			TDS M03 EA	PP	400
	1	"	250	HNO3			6010 6020 HG		
	1	"	1	H2SO4			NH3		
	2	CG	40	ICE			8011		
	3	"	1	HCL			8260		

REMARKS: ORP 5.9 5.6 6.5

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi
WELL NO: B73-1	SAMPLE ID: B73-1	DATE: 1-1-11

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: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (37.35 feet – 4.88 feet) X 0.16 gallons/foot = 5.1952 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7	PURGING INITIATED AT: 12:32	PURGING ENDED AT: 13:08	TOTAL VOLUME PURGED (gallons): 7.92

24 TIME 6	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)
12:56	5.28	5.28	0.22	5.21	7.02	23.8	407	0.91	11.5	Yellow	Sulfur
1302	1.32	6.60	0.22	5.21	6.91	23.8	412	0.78	12.7	/	/
1308	1.32	7.92	0.22	5.21	6.83	23.8	419	0.63	9.53	/	/

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: Bruce Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:08	SAMPLING ENDED AT: 17:14
PUMP OR TUBING DEPTH IN WELL (feet): 7	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)
	1	PB	1000	ICE			TDS NO3 Cl	PP	200
	1	1	250	HNO3			6010 6020 Hg	/	/
	1	1	1	H2SO4			NH3		
	2	CG	40	ICE			8011		
	3	1	1	HCL			8260		

REMARKS: ORP -53.8 -58.1 -60.7

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LC Semi	
WELL NO: B82-1	SAMPLE ID: B82-1	DATE: 1-11-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.30	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)

= (38.63 feet – 7.30 feet) X 0.16 gallons/foot = 5.0128 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11	PURGING INITIATED AT: 1421	PURGING ENDED AT: 1509	TOTAL VOLUME PURGED (gallons): 7.68

TIME 32 8	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)
1453	5.12	5.12	0.16	9.78	6.46	24.2	261	1.04	19.5	yellow	sulfur
1501	1.28	6.40	0.16	9.78	6.45	24.3	261	0.48	15.5		
1509	1.28	7.68	0.16	9.78	6.45	24.4	262	0.69	14.6		

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

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Bruce Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1309	SAMPLING ENDED AT: 1314
PUMP OR TUBING DEPTH IN WELL (feet): 11	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)
	1	PE	1000	ICE			TDS NO3 Cl	APP	400
	1	1	250	HNO3			6010 6020 Hg		
	1	1	1	H2SO4			NH3		
	2	CG	40	ICE			8011		
	3	1	1	HCl			8260		

REMARKS:
ORP 106.1 107.6 108.3

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

January 22, 2021

Ms. Jennifer Stirk
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Port Orange, FL 32128

RE: Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Dear Ms. Stirk:

Enclosed are the analytical results for sample(s) received by the laboratory on January 12, 2021. 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,

Jeff Baylor

Jeff Baylor
jeff.baylor@pacelabs.com
(386)672-5668
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.

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

CERTIFICATIONS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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

SAMPLE SUMMARY

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35603946001	**EQ Blank 1/12/21**	Water	01/12/21 09:45	01/12/21 15:45
35603946002	**B74 DUP**	Water	01/12/21 10:17	01/12/21 15:45
35603946003	**B74**	Water	01/12/21 10:17	01/12/21 15:45
35603946004	**B75**	Water	01/12/21 11:23	01/12/21 15:45
35603946005	**B60**	Water	01/12/21 12:11	01/12/21 15:45
35603946006	**B59-1R**	Water	01/12/21 13:32	01/12/21 15:45
35603946007	**B59-2R**	Water	01/12/21 14:07	01/12/21 15:45
35603946008	**B68**	Water	01/12/21 15:15	01/12/21 15:45
35603946009	**Trip Blank 1/12/21**	Water	01/12/21 00:00	01/12/21 15:45

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(386)672-5668

SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35603946001	**EQ Blank 1/12/21**	EPA 8011	LJM	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603946002	**B74 DUP**	EPA 8011	LJM	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603946003	**B74**	EPA 8011	LJM	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603946004	**B75**	EPA 8011	LJM	2	PASI-O
		EPA 6010	CS2, CS3	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603946005	**B60**	EPA 8011	LJM	2	PASI-O

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

SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	CS2, CS3	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603946006	**B59-1R**	EPA 8011	LJM	2	PASI-O
		EPA 6010	CS2, CS3	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603946007	**B59-2R**	EPA 8011	LJM	2	PASI-O
		EPA 6010	CS2, CS3	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603946008	**B68**	EPA 8011	LJM	2	PASI-O
		EPA 6010	CS2, CS3	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	NMT	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35603946009	**Trip Blank 1/12/21**	EPA 8260	AST	50	PASI-O

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

SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory

PASI-O = Pace Analytical Services - Ormond Beach

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

SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35603946001	**EQ Blank 1/12/21**					
EPA 6010	Barium	5.4 I	ug/L	10.0	01/15/21 08:51	
SM 2540C	Total Dissolved Solids	39.0	mg/L	5.0	01/15/21 13:53	
35603946002	**B74 DUP**					
	Field pH	5.99	Std. Units		01/12/21 10:12	
	Field Temperature	20.8	deg C		01/12/21 10:12	
	Appearance	Color: yellow, Sheen: none			01/12/21 10:12	
	Field Specific Conductance	199	umhos/cm		01/12/21 10:12	
	Oxygen, Dissolved	1.38	mg/L		01/12/21 10:12	
	REDOX	37.5	mV		01/12/21 10:12	
	Turbidity	5.47	NTU		01/12/21 10:12	
	Water Level(NGVD)	25.99	feet		01/12/21 10:12	
EPA 6010	Barium	18.4	ug/L	10.0	01/15/21 08:56	
EPA 6010	Iron	3260	ug/L	40.0	01/15/21 08:56	
EPA 6010	Sodium	6.0	mg/L	2.0	01/15/21 08:56	
EPA 6010	Vanadium	5.4 I	ug/L	10.0	01/15/21 08:56	
EPA 6020	Arsenic	2.3	ug/L	1.0	01/13/21 13:25	
EPA 8260	Benzene	0.46 I	ug/L	1.0	01/18/21 23:24	
SM 2540C	Total Dissolved Solids	197	mg/L	5.0	01/15/21 13:53	
EPA 300.0	Chloride	10.3	mg/L	5.0	01/21/21 17:50	
EPA 350.1	Nitrogen, Ammonia	3.3	mg/L	0.050	01/14/21 14:20	
35603946003	**B74**					
	Field pH	5.99	Std. Units		01/12/21 10:17	
	Field Temperature	20.8	deg C		01/12/21 10:17	
	Appearance	Color: yellow, Sheen: none			01/12/21 10:17	
	Field Specific Conductance	199	umhos/cm		01/12/21 10:17	
	Oxygen, Dissolved	1.38	mg/L		01/12/21 10:17	
	REDOX	37.5	mV		01/12/21 10:17	
	Turbidity	5.47	NTU		01/12/21 10:17	
	Water Level(NGVD)	25.99	feet		01/12/21 10:17	
EPA 6010	Barium	18.9	ug/L	10.0	01/15/21 09:10	
EPA 6010	Chromium	2.3 I	ug/L	5.0	01/15/21 09:10	
EPA 6010	Iron	3280	ug/L	40.0	01/15/21 09:10	
EPA 6010	Sodium	6.1	mg/L	2.0	01/15/21 09:10	
EPA 6010	Vanadium	5.1 I	ug/L	10.0	01/15/21 09:10	
EPA 6020	Arsenic	2.5	ug/L	1.0	01/13/21 13:27	
EPA 8260	Benzene	0.39 I	ug/L	1.0	01/18/21 23:51	
SM 2540C	Total Dissolved Solids	229	mg/L	5.0	01/15/21 13:53	
EPA 300.0	Chloride	10.4	mg/L	5.0	01/21/21 18:12	
EPA 350.1	Nitrogen, Ammonia	3.4	mg/L	0.050	01/14/21 14:22	
35603946004	**B75**					
	Field pH	6.04	Std. Units		01/12/21 11:23	

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8 East Tower Circle
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(386)672-5668

SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35603946004	**B75**					
	Field Temperature	22.3	deg C		01/12/21 11:23	
	Appearance	Color: yellow, Sheen: none			01/12/21 11:23	
	Field Specific Conductance	638	umhos/cm		01/12/21 11:23	
	Oxygen, Dissolved	1.26	mg/L		01/12/21 11:23	
	REDOX	-2.6	mV		01/12/21 11:23	
	Turbidity	14.1	NTU		01/12/21 11:23	
	Water Level(NGVD)	26.99	feet		01/12/21 11:23	
EPA 6010	Barium	80.0	ug/L	10.0	01/15/21 10:15	
EPA 6010	Chromium	2.2 I	ug/L	5.0	01/15/21 10:15	
EPA 6010	Iron	18500	ug/L	40.0	01/15/21 10:15	
EPA 6010	Sodium	51.9	mg/L	2.0	01/15/21 10:15	
EPA 6010	Vanadium	5.0 I	ug/L	10.0	01/15/21 10:15	
EPA 6020	Arsenic	0.83 I	ug/L	1.0	01/13/21 13:29	
SM 2540C	Total Dissolved Solids	557	mg/L	5.0	01/15/21 13:53	
EPA 300.0	Chloride	59.4	mg/L	5.0	01/21/21 18:35	
EPA 350.1	Nitrogen, Ammonia	5.7	mg/L	0.050	01/14/21 14:23	
35603946005	**B60**					
	Field pH	6.77	Std. Units		01/12/21 12:11	
	Field Temperature	23.6	deg C		01/12/21 12:11	
	Appearance	Color: yellow, Sheen: none			01/12/21 12:11	
	Field Specific Conductance	409	umhos/cm		01/12/21 12:11	
	Oxygen, Dissolved	1.06	mg/L		01/12/21 12:11	
	REDOX	-58.3	mV		01/12/21 12:11	
	Turbidity	7.10	NTU		01/12/21 12:11	
	Water Level(NGVD)	26.07	feet		01/12/21 12:11	
EPA 6010	Barium	111	ug/L	10.0	01/15/21 10:29	
EPA 6010	Beryllium	0.18 I	ug/L	4.0	01/15/21 10:29	
EPA 6010	Iron	4750	ug/L	40.0	01/15/21 10:29	
EPA 6010	Sodium	35.2	mg/L	2.0	01/15/21 10:29	
EPA 6010	Vanadium	1.3 I	ug/L	10.0	01/15/21 10:29	
EPA 6020	Arsenic	0.78 I	ug/L	1.0	01/13/21 13:30	
SM 2540C	Total Dissolved Solids	305	mg/L	5.0	01/15/21 13:53	
EPA 300.0	Chloride	42.0	mg/L	5.0	01/21/21 18:57	
EPA 350.1	Nitrogen, Ammonia	2.5	mg/L	0.050	01/14/21 14:28	
35603946006	**B59-1R**					
	Field pH	7.01	Std. Units		01/12/21 13:32	
	Field Temperature	23.8	deg C		01/12/21 13:32	
	Appearance	Color: yellow, Sheen: none			01/12/21 13:32	
	Field Specific Conductance	457	umhos/cm		01/12/21 13:32	

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35603946006	**B59-1R**					
	Oxygen, Dissolved	0.81	mg/L		01/12/21 13:32	
	REDOX	-20.3	mV		01/12/21 13:32	
	Turbidity	8.73	NTU		01/12/21 13:32	
	Water Level(NGVD)	25.89	feet		01/12/21 13:32	
EPA 6010	Barium	101	ug/L	10.0	01/15/21 10:33	
EPA 6010	Iron	2760	ug/L	40.0	01/15/21 10:33	
EPA 6010	Sodium	39.8	mg/L	2.0	01/15/21 10:33	
SM 2540C	Total Dissolved Solids	374	mg/L	5.0	01/17/21 13:24	
EPA 300.0	Chloride	38.6	mg/L	5.0	01/21/21 19:19	
EPA 350.1	Nitrogen, Ammonia	1.2	mg/L	0.050	01/14/21 14:33	
35603946007	**B59-2R**					
	Field pH	7.00	Std. Units		01/12/21 14:07	
	Field Temperature	22.1	deg C		01/12/21 14:07	
	Appearance	Color: yellow, Sheen: none			01/12/21 14:07	
	Field Specific Conductance	538	umhos/cm		01/12/21 14:07	
	Oxygen, Dissolved	0.61	mg/L		01/12/21 14:07	
	REDOX	-0.9	mV		01/12/21 14:07	
	Turbidity	12.2	NTU		01/12/21 14:07	
	Water Level(NGVD)	26.10	feet		01/12/21 14:07	
EPA 6010	Barium	76.4	ug/L	10.0	01/15/21 10:38	
EPA 6010	Beryllium	0.18 I	ug/L	4.0	01/15/21 10:38	
EPA 6010	Iron	2140	ug/L	40.0	01/15/21 10:38	
EPA 6010	Sodium	19.4	mg/L	2.0	01/15/21 10:38	
EPA 6010	Vanadium	3.7 I	ug/L	10.0	01/15/21 10:38	
EPA 6020	Arsenic	2.4	ug/L	1.0	01/13/21 13:38	
SM 2540C	Total Dissolved Solids	429	mg/L	5.0	01/17/21 13:24	
EPA 300.0	Chloride	14.0	mg/L	5.0	01/21/21 20:27	
EPA 350.1	Nitrogen, Ammonia	0.23	mg/L	0.050	01/14/21 14:35	
EPA 353.2	Nitrogen, Nitrate	0.038 I	mg/L	0.050	01/12/21 19:08	
35603946008	**B68**					
	Field pH	6.36	Std. Units		01/12/21 15:15	
	Field Temperature	23.8	deg C		01/12/21 15:15	
	Appearance	Color: yellow, Sheen: none			01/12/21 15:15	
	Field Specific Conductance	966	umhos/cm		01/12/21 15:15	
	Oxygen, Dissolved	0.91	mg/L		01/12/21 15:15	
	REDOX	-59.0	mV		01/12/21 15:15	
	Turbidity	1.94	NTU		01/12/21 15:15	
	Water Level(NGVD)	26.33	feet		01/12/21 15:15	
EPA 6010	Barium	241	ug/L	10.0	01/15/21 10:43	
EPA 6010	Beryllium	0.24 I	ug/L	4.0	01/15/21 10:43	
EPA 6010	Iron	45700	ug/L	400	01/15/21 10:47	

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35603946008	**B68**					
EPA 6010	Sodium	33.4	mg/L	2.0	01/15/21 10:43	
EPA 6010	Vanadium	2.8	ug/L	10.0	01/15/21 10:43	I
EPA 6020	Arsenic	2.8	ug/L	1.0	01/13/21 13:40	
SM 2540C	Total Dissolved Solids	898	mg/L	10.0	01/17/21 13:24	
EPA 300.0	Chloride	29.8	mg/L	25.0	01/21/21 21:34	
EPA 350.1	Nitrogen, Ammonia	2.3	mg/L	0.050	01/14/21 14:37	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: EQ Blank 1/12/21 **Lab ID: 35603946001** Collected: 01/12/21 09:45 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/13/21 17:04	01/14/21 12:30	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	01/13/21 17:04	01/14/21 12:30	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**5.4 I**	ug/L	10.0	0.84	1	01/13/21 00:12	01/15/21 08:51	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/13/21 00:12	01/15/21 08:51	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/13/21 00:12	01/15/21 08:51	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/13/21 00:12	01/15/21 08:51	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/13/21 00:12	01/15/21 08:51	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/13/21 00:12	01/15/21 08:51	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	01/13/21 00:12	01/15/21 08:51	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/13/21 00:12	01/15/21 08:51	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/13/21 00:12	01/15/21 08:51	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/13/21 00:12	01/13/21 17:13	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/13/21 00:12	01/15/21 08:51	7440-22-4	
Sodium	**0.54 U**	mg/L	2.0	0.54	1	01/13/21 00:12	01/15/21 08:51	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	01/13/21 00:12	01/15/21 08:51	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/13/21 00:12	01/15/21 08:51	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	01/13/21 00:12	01/13/21 13:23	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/13/21 00:12	01/13/21 13:23	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/13/21 00:12	01/13/21 13:23	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/18/21 12:30	01/20/21 12:46	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/18/21 22:57	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/18/21 22:57	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 22:57	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 22:57	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/18/21 22:57	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/18/21 22:57	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/18/21 22:57	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/18/21 22:57	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 22:57	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/18/21 22:57	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 22:57	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/18/21 22:57	75-00-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: EQ Blank 1/12/21 **Lab ID: 35603946001** Collected: 01/12/21 09:45 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 22:57	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/18/21 22:57	74-87-3	J(v2)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/18/21 22:57	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/18/21 22:57	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/18/21 22:57	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/18/21 22:57	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/18/21 22:57	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/18/21 22:57	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 22:57	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 22:57	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 22:57	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 22:57	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 22:57	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/18/21 22:57	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 22:57	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 22:57	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/18/21 22:57	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/18/21 22:57	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/18/21 22:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/18/21 22:57	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/18/21 22:57	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 22:57	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 22:57	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/18/21 22:57	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/18/21 22:57	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 22:57	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 22:57	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/18/21 22:57	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 22:57	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/18/21 22:57	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 22:57	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/18/21 22:57	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/18/21 22:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/18/21 22:57	460-00-4	
Toluene-d8 (S)	105	%	70-130		1		01/18/21 22:57	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		01/18/21 22:57	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**39.0**	mg/L	5.0	5.0	1		01/15/21 13:53		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		01/21/21 17:27	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: EQ Blank 1/12/21 **Lab ID: 35603946001** Collected: 01/12/21 09:45 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.035 U**	mg/L	0.050	0.035	1		01/14/21 14:18	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		01/12/21 18:58	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B74 DUP **Lab ID: 35603946002** Collected: 01/12/21 10:17 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**5.99**	Std. Units			1		01/12/21 10:12		
Field Temperature	**20.8**	deg C			1		01/12/21 10:12		
Appearance	**Color: yellow, Sheen: none**				1		01/12/21 10:12		
Field Specific Conductance	**199**	umhos/cm			1		01/12/21 10:12		
Oxygen, Dissolved	**1.38**	mg/L			1		01/12/21 10:12	7782-44-7	
REDOX	**37.5**	mV			1		01/12/21 10:12		
Turbidity	**5.47**	NTU			1		01/12/21 10:12		
Water Level(NGVD)	**25.99**	feet			1		01/12/21 10:12		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/13/21 17:04	01/14/21 12:45	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0099	0.0074	1	01/13/21 17:04	01/14/21 12:45	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	01/13/21 00:12	01/15/21 08:56	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/13/21 00:12	01/15/21 08:56	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/13/21 00:12	01/15/21 08:56	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/13/21 00:12	01/15/21 08:56	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/13/21 00:12	01/15/21 08:56	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/13/21 00:12	01/15/21 08:56	7440-50-8	
Iron	**3260**	ug/L	40.0	25.0	1	01/13/21 00:12	01/15/21 08:56	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/13/21 00:12	01/15/21 08:56	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/13/21 00:12	01/15/21 08:56	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/13/21 00:12	01/13/21 17:23	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/13/21 00:12	01/15/21 08:56	7440-22-4	
Sodium	**6.0**	mg/L	2.0	0.54	1	01/13/21 00:12	01/15/21 08:56	7440-23-5	
Vanadium	**5.4 I**	ug/L	10.0	1.0	1	01/13/21 00:12	01/15/21 08:56	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/13/21 00:12	01/15/21 08:56	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	01/13/21 00:12	01/13/21 13:25	7440-36-0	
Arsenic	**2.3**	ug/L	1.0	0.50	1	01/13/21 00:12	01/13/21 13:25	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/13/21 00:12	01/13/21 13:25	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/18/21 12:30	01/20/21 12:53	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B74 DUP **Lab ID: 35603946002** Collected: 01/12/21 10:17 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/18/21 23:24	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/18/21 23:24	107-13-1	
Benzene	**0.46 I**	ug/L	1.0	0.30	1		01/18/21 23:24	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 23:24	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/18/21 23:24	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/18/21 23:24	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/18/21 23:24	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/18/21 23:24	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 23:24	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/18/21 23:24	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 23:24	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/18/21 23:24	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 23:24	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/18/21 23:24	74-87-3	J(v2)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/18/21 23:24	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/18/21 23:24	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/18/21 23:24	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/18/21 23:24	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/18/21 23:24	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/18/21 23:24	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 23:24	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 23:24	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 23:24	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 23:24	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 23:24	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/18/21 23:24	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 23:24	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 23:24	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/18/21 23:24	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/18/21 23:24	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/18/21 23:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/18/21 23:24	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/18/21 23:24	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 23:24	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 23:24	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/18/21 23:24	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/18/21 23:24	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 23:24	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 23:24	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/18/21 23:24	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 23:24	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/18/21 23:24	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 23:24	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/18/21 23:24	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/18/21 23:24	1330-20-7	

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8 East Tower Circle
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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B74 DUP **Lab ID: 35603946002** Collected: 01/12/21 10:17 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/18/21 23:24	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		01/18/21 23:24	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		01/18/21 23:24	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**197**	mg/L	5.0	5.0	1		01/15/21 13:53		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**10.3**	mg/L	5.0	2.5	1		01/21/21 17:50	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**3.3**	mg/L	0.050	0.035	1		01/14/21 14:20	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		01/12/21 18:59	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B74 **Lab ID: 35603946003** Collected: 01/12/21 10:17 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**5.99**	Std. Units			1		01/12/21 10:17		
Field Temperature	**20.8**	deg C			1		01/12/21 10:17		
Appearance	**Color: yellow, Sheen: none**				1		01/12/21 10:17		
Field Specific Conductance	**199**	umhos/cm			1		01/12/21 10:17		
Oxygen, Dissolved	**1.38**	mg/L			1		01/12/21 10:17	7782-44-7	
REDOX	**37.5**	mV			1		01/12/21 10:17		
Turbidity	**5.47**	NTU			1		01/12/21 10:17		
Water Level(NGVD)	**25.99**	feet			1		01/12/21 10:17		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0063 U**	ug/L	0.020	0.0063	1	01/13/21 17:04	01/14/21 13:01	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0099	0.0074	1	01/13/21 17:04	01/14/21 13:01	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**18.9**	ug/L	10.0	0.84	1	01/13/21 00:12	01/15/21 09:10	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/13/21 00:12	01/15/21 09:10	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/13/21 00:12	01/15/21 09:10	7440-43-9	
Chromium	**2.3 I**	ug/L	5.0	1.7	1	01/13/21 00:12	01/15/21 09:10	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/13/21 00:12	01/15/21 09:10	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/13/21 00:12	01/15/21 09:10	7440-50-8	
Iron	**3280**	ug/L	40.0	25.0	1	01/13/21 00:12	01/15/21 09:10	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/13/21 00:12	01/15/21 09:10	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/13/21 00:12	01/15/21 09:10	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/13/21 00:12	01/13/21 17:35	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/13/21 00:12	01/15/21 09:10	7440-22-4	
Sodium	**6.1**	mg/L	2.0	0.54	1	01/13/21 00:12	01/15/21 09:10	7440-23-5	
Vanadium	**5.1 I**	ug/L	10.0	1.0	1	01/13/21 00:12	01/15/21 09:10	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/13/21 00:12	01/15/21 09:10	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	01/13/21 00:12	01/13/21 13:27	7440-36-0	
Arsenic	**2.5**	ug/L	1.0	0.50	1	01/13/21 00:12	01/13/21 13:27	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/13/21 00:12	01/13/21 13:27	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/18/21 12:30	01/20/21 12:55	7439-97-6	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B74 **Lab ID: 35603946003** Collected: 01/12/21 10:17 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/18/21 23:51	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/18/21 23:51	107-13-1	
Benzene	**0.39 I**	ug/L	1.0	0.30	1		01/18/21 23:51	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 23:51	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/18/21 23:51	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/18/21 23:51	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/18/21 23:51	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/18/21 23:51	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 23:51	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/18/21 23:51	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 23:51	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/18/21 23:51	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 23:51	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/18/21 23:51	74-87-3	J(v2)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/18/21 23:51	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/18/21 23:51	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/18/21 23:51	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/18/21 23:51	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/18/21 23:51	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/18/21 23:51	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 23:51	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 23:51	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 23:51	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 23:51	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 23:51	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/18/21 23:51	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 23:51	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 23:51	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/18/21 23:51	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/18/21 23:51	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/18/21 23:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/18/21 23:51	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/18/21 23:51	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 23:51	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 23:51	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/18/21 23:51	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/18/21 23:51	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 23:51	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 23:51	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/18/21 23:51	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 23:51	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/18/21 23:51	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 23:51	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/18/21 23:51	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/18/21 23:51	1330-20-7	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B74 **Lab ID: 35603946003** Collected: 01/12/21 10:17 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/18/21 23:51	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/18/21 23:51	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/18/21 23:51	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**229**	mg/L	5.0	5.0	1		01/15/21 13:53		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**10.4**	mg/L	5.0	2.5	1		01/21/21 18:12	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**3.4**	mg/L	0.050	0.035	1		01/14/21 14:22	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		01/12/21 19:01	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B75 **Lab ID: 35603946004** Collected: 01/12/21 11:23 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.04**	Std. Units			1		01/12/21 11:23		
Field Temperature	**22.3**	deg C			1		01/12/21 11:23		
Appearance	**Color: yellow, Sheen: none**				1		01/12/21 11:23		
Field Specific Conductance	**638**	umhos/cm			1		01/12/21 11:23		
Oxygen, Dissolved	**1.26**	mg/L			1		01/12/21 11:23	7782-44-7	
REDOX	**-2.6**	mV			1		01/12/21 11:23		
Turbidity	**14.1**	NTU			1		01/12/21 11:23		
Water Level(NGVD)	**26.99**	feet			1		01/12/21 11:23		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0063 U**	ug/L	0.020	0.0063	1	01/13/21 17:04	01/14/21 13:16	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0099	0.0074	1	01/13/21 17:04	01/14/21 13:16	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**80.0**	ug/L	10.0	0.84	1	01/13/21 00:12	01/15/21 10:15	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/13/21 00:12	01/15/21 10:15	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/13/21 00:12	01/15/21 10:15	7440-43-9	
Chromium	**2.2 I**	ug/L	5.0	1.7	1	01/13/21 00:12	01/15/21 10:15	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/13/21 00:12	01/15/21 10:15	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/13/21 00:12	01/15/21 10:15	7440-50-8	
Iron	**18500**	ug/L	40.0	25.0	1	01/13/21 00:12	01/15/21 10:15	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/13/21 00:12	01/15/21 10:15	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/13/21 00:12	01/15/21 10:15	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/13/21 00:12	01/13/21 17:39	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/13/21 00:12	01/15/21 10:15	7440-22-4	
Sodium	**51.9**	mg/L	2.0	0.54	1	01/13/21 00:12	01/15/21 10:15	7440-23-5	
Vanadium	**5.0 I**	ug/L	10.0	1.0	1	01/13/21 00:12	01/15/21 10:15	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/13/21 00:12	01/15/21 10:15	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/13/21 00:12	01/13/21 13:29	7440-36-0	
Arsenic	**0.83 I**	ug/L	1.0	0.50	1	01/13/21 00:12	01/13/21 13:29	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/13/21 00:12	01/13/21 13:29	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/19/21 08:14	01/20/21 14:01	7439-97-6	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B75 **Lab ID: 35603946004** Collected: 01/12/21 11:23 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/19/21 00:19	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/19/21 00:19	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 00:19	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/19/21 00:19	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/19/21 00:19	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/19/21 00:19	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/19/21 00:19	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/19/21 00:19	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/19/21 00:19	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/19/21 00:19	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/19/21 00:19	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/19/21 00:19	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/19/21 00:19	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/19/21 00:19	74-87-3	J(v2)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/19/21 00:19	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/19/21 00:19	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/19/21 00:19	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/19/21 00:19	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/19/21 00:19	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/19/21 00:19	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/19/21 00:19	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/19/21 00:19	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/19/21 00:19	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/19/21 00:19	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/19/21 00:19	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/19/21 00:19	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/19/21 00:19	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 00:19	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/19/21 00:19	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/19/21 00:19	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/19/21 00:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/19/21 00:19	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/19/21 00:19	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/19/21 00:19	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/19/21 00:19	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/19/21 00:19	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/19/21 00:19	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 00:19	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 00:19	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/19/21 00:19	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/19/21 00:19	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/19/21 00:19	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/19/21 00:19	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/19/21 00:19	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/19/21 00:19	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B75 **Lab ID: 35603946004** Collected: 01/12/21 11:23 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/19/21 00:19	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		01/19/21 00:19	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/19/21 00:19	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**557**	mg/L	5.0	5.0	1		01/15/21 13:53		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**59.4**	mg/L	5.0	2.5	1		01/21/21 18:35	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**5.7**	mg/L	0.050	0.035	1		01/14/21 14:23	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.25 U**	mg/L	0.50	0.25	10		01/12/21 20:49	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B60 **Lab ID: 35603946005** Collected: 01/12/21 12:11 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.77**	Std. Units			1		01/12/21 12:11		
Field Temperature	**23.6**	deg C			1		01/12/21 12:11		
Appearance	**Color: yellow, Sheen: none**				1		01/12/21 12:11		
Field Specific Conductance	**409**	umhos/cm			1		01/12/21 12:11		
Oxygen, Dissolved	**1.06**	mg/L			1		01/12/21 12:11	7782-44-7	
REDOX	**-58.3**	mV			1		01/12/21 12:11		
Turbidity	**7.10**	NTU			1		01/12/21 12:11		
Water Level(NGVD)	**26.07**	feet			1		01/12/21 12:11		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/13/21 17:04	01/14/21 14:01	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	01/13/21 17:04	01/14/21 14:01	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**111**	ug/L	10.0	0.84	1	01/13/21 00:12	01/15/21 10:29	7440-39-3	
Beryllium	**0.18 I**	ug/L	4.0	0.17	1	01/13/21 00:12	01/15/21 10:29	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/13/21 00:12	01/15/21 10:29	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/13/21 00:12	01/15/21 10:29	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/13/21 00:12	01/15/21 10:29	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/13/21 00:12	01/15/21 10:29	7440-50-8	
Iron	**4750**	ug/L	40.0	25.0	1	01/13/21 00:12	01/15/21 10:29	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/13/21 00:12	01/15/21 10:29	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/13/21 00:12	01/15/21 10:29	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/13/21 00:12	01/13/21 17:42	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/13/21 00:12	01/15/21 10:29	7440-22-4	
Sodium	**35.2**	mg/L	2.0	0.54	1	01/13/21 00:12	01/15/21 10:29	7440-23-5	
Vanadium	**1.3 I**	ug/L	10.0	1.0	1	01/13/21 00:12	01/15/21 10:29	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/13/21 00:12	01/15/21 10:29	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/13/21 00:12	01/13/21 13:30	7440-36-0	
Arsenic	**0.78 I**	ug/L	1.0	0.50	1	01/13/21 00:12	01/13/21 13:30	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/13/21 00:12	01/13/21 13:30	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/19/21 09:40	01/21/21 10:40	7439-97-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B60 **Lab ID: 35603946005** Collected: 01/12/21 12:11 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/19/21 00:45	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/19/21 00:45	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 00:45	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/19/21 00:45	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/19/21 00:45	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/19/21 00:45	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/19/21 00:45	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/19/21 00:45	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/19/21 00:45	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/19/21 00:45	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/19/21 00:45	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/19/21 00:45	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/19/21 00:45	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/19/21 00:45	74-87-3	J(v2)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/19/21 00:45	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/19/21 00:45	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/19/21 00:45	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/19/21 00:45	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/19/21 00:45	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/19/21 00:45	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/19/21 00:45	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/19/21 00:45	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/19/21 00:45	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/19/21 00:45	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/19/21 00:45	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/19/21 00:45	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/19/21 00:45	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 00:45	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/19/21 00:45	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/19/21 00:45	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/19/21 00:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/19/21 00:45	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/19/21 00:45	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/19/21 00:45	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/19/21 00:45	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/19/21 00:45	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/19/21 00:45	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 00:45	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 00:45	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/19/21 00:45	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/19/21 00:45	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/19/21 00:45	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/19/21 00:45	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/19/21 00:45	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/19/21 00:45	1330-20-7	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B60 **Lab ID: 35603946005** Collected: 01/12/21 12:11 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/19/21 00:45	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/19/21 00:45	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/19/21 00:45	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**305**	mg/L	5.0	5.0	1		01/15/21 13:53		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**42.0**	mg/L	5.0	2.5	1		01/21/21 18:57	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**2.5**	mg/L	0.050	0.035	1		01/14/21 14:28	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		01/12/21 19:03	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B59-1R **Lab ID: 35603946006** Collected: 01/12/21 13:32 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.01**	Std. Units			1		01/12/21 13:32		
Field Temperature	**23.8**	deg C			1		01/12/21 13:32		
Appearance	**Color: yellow, Sheen: none**				1		01/12/21 13:32		
Field Specific Conductance	**457**	umhos/cm			1		01/12/21 13:32		
Oxygen, Dissolved	**0.81**	mg/L			1		01/12/21 13:32	7782-44-7	
REDOX	**-20.3**	mV			1		01/12/21 13:32		
Turbidity	**8.73**	NTU			1		01/12/21 13:32		
Water Level(NGVD)	**25.89**	feet			1		01/12/21 13:32		
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	01/13/21 17:04	01/14/21 14:47	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	01/13/21 17:04	01/14/21 14:47	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**101**	ug/L	10.0	0.84	1	01/13/21 00:12	01/15/21 10:33	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/13/21 00:12	01/15/21 10:33	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/13/21 00:12	01/15/21 10:33	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/13/21 00:12	01/15/21 10:33	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/13/21 00:12	01/15/21 10:33	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/13/21 00:12	01/15/21 10:33	7440-50-8	
Iron	**2760**	ug/L	40.0	25.0	1	01/13/21 00:12	01/15/21 10:33	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/13/21 00:12	01/15/21 10:33	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/13/21 00:12	01/15/21 10:33	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/13/21 00:12	01/13/21 17:45	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/13/21 00:12	01/15/21 10:33	7440-22-4	
Sodium	**39.8**	mg/L	2.0	0.54	1	01/13/21 00:12	01/15/21 10:33	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	01/13/21 00:12	01/15/21 10:33	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/13/21 00:12	01/15/21 10:33	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/13/21 00:12	01/13/21 13:32	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/13/21 00:12	01/13/21 13:32	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/13/21 00:12	01/13/21 13:32	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/19/21 09:40	01/21/21 10:56	7439-97-6	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B59-1R **Lab ID: 35603946006** Collected: 01/12/21 13:32 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/19/21 01:12	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/19/21 01:12	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 01:12	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/19/21 01:12	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/19/21 01:12	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/19/21 01:12	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/19/21 01:12	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/19/21 01:12	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/19/21 01:12	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/19/21 01:12	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/19/21 01:12	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/19/21 01:12	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/19/21 01:12	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/19/21 01:12	74-87-3	J(v2)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/19/21 01:12	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/19/21 01:12	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/19/21 01:12	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/19/21 01:12	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/19/21 01:12	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/19/21 01:12	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/19/21 01:12	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/19/21 01:12	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/19/21 01:12	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/19/21 01:12	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/19/21 01:12	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/19/21 01:12	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/19/21 01:12	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 01:12	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/19/21 01:12	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/19/21 01:12	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/19/21 01:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/19/21 01:12	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/19/21 01:12	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/19/21 01:12	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/19/21 01:12	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/19/21 01:12	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/19/21 01:12	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 01:12	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 01:12	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/19/21 01:12	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/19/21 01:12	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/19/21 01:12	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/19/21 01:12	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/19/21 01:12	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/19/21 01:12	1330-20-7	

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B59-1R **Lab ID: 35603946006** Collected: 01/12/21 13:32 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/19/21 01:12	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		01/19/21 01:12	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		01/19/21 01:12	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**374**	mg/L	5.0	5.0	1		01/17/21 13:24		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**38.6**	mg/L	5.0	2.5	1		01/21/21 19:19	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**1.2**	mg/L	0.050	0.035	1		01/14/21 14:33	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		01/12/21 19:05	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B59-2R **Lab ID: 35603946007** Collected: 01/12/21 14:07 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.00**	Std. Units			1		01/12/21 14:07		
Field Temperature	**22.1**	deg C			1		01/12/21 14:07		
Appearance	**Color: yellow, Sheen: none**				1		01/12/21 14:07		
Field Specific Conductance	**538**	umhos/cm			1		01/12/21 14:07		
Oxygen, Dissolved	**0.61**	mg/L			1		01/12/21 14:07	7782-44-7	
REDOX	**-0.9**	mV			1		01/12/21 14:07		
Turbidity	**12.2**	NTU			1		01/12/21 14:07		
Water Level(NGVD)	**26.10**	feet			1		01/12/21 14:07		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/13/21 17:04	01/14/21 15:17	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	01/13/21 17:04	01/14/21 15:17	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**76.4**	ug/L	10.0	0.84	1	01/13/21 00:12	01/15/21 10:38	7440-39-3	
Beryllium	**0.18 I**	ug/L	4.0	0.17	1	01/13/21 00:12	01/15/21 10:38	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/13/21 00:12	01/15/21 10:38	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/13/21 00:12	01/15/21 10:38	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/13/21 00:12	01/15/21 10:38	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/13/21 00:12	01/15/21 10:38	7440-50-8	
Iron	**2140**	ug/L	40.0	25.0	1	01/13/21 00:12	01/15/21 10:38	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/13/21 00:12	01/15/21 10:38	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/13/21 00:12	01/15/21 10:38	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/13/21 00:12	01/13/21 17:48	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/13/21 00:12	01/15/21 10:38	7440-22-4	
Sodium	**19.4**	mg/L	2.0	0.54	1	01/13/21 00:12	01/15/21 10:38	7440-23-5	
Vanadium	**3.7 I**	ug/L	10.0	1.0	1	01/13/21 00:12	01/15/21 10:38	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/13/21 00:12	01/15/21 10:38	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/13/21 00:12	01/13/21 13:38	7440-36-0	
Arsenic	**2.4**	ug/L	1.0	0.50	1	01/13/21 00:12	01/13/21 13:38	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/13/21 00:12	01/13/21 13:38	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/19/21 09:40	01/21/21 10:58	7439-97-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B59-2R **Lab ID: 35603946007** Collected: 01/12/21 14:07 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/19/21 01:38	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/19/21 01:38	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 01:38	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/19/21 01:38	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/19/21 01:38	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/19/21 01:38	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/19/21 01:38	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/19/21 01:38	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/19/21 01:38	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/19/21 01:38	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/19/21 01:38	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/19/21 01:38	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/19/21 01:38	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/19/21 01:38	74-87-3	J(v2)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/19/21 01:38	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/19/21 01:38	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/19/21 01:38	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/19/21 01:38	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/19/21 01:38	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/19/21 01:38	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/19/21 01:38	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/19/21 01:38	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/19/21 01:38	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/19/21 01:38	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/19/21 01:38	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/19/21 01:38	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/19/21 01:38	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 01:38	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/19/21 01:38	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/19/21 01:38	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/19/21 01:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/19/21 01:38	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/19/21 01:38	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/19/21 01:38	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/19/21 01:38	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/19/21 01:38	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/19/21 01:38	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 01:38	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 01:38	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/19/21 01:38	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/19/21 01:38	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/19/21 01:38	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/19/21 01:38	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/19/21 01:38	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/19/21 01:38	1330-20-7	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B59-2R **Lab ID: 35603946007** Collected: 01/12/21 14:07 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/19/21 01:38	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/19/21 01:38	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		01/19/21 01:38	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**429**	mg/L	5.0	5.0	1		01/17/21 13:24		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**14.0**	mg/L	5.0	2.5	1		01/21/21 20:27	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.23**	mg/L	0.050	0.035	1		01/14/21 14:35	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.038 I**	mg/L	0.050	0.025	1		01/12/21 19:08	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B68 **Lab ID: 35603946008** Collected: 01/12/21 15:15 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.36**	Std. Units			1		01/12/21 15:15		
Field Temperature	**23.8**	deg C			1		01/12/21 15:15		
Appearance	**Color: yellow, Sheen: none**				1		01/12/21 15:15		
Field Specific Conductance	**966**	umhos/cm			1		01/12/21 15:15		
Oxygen, Dissolved	**0.91**	mg/L			1		01/12/21 15:15	7782-44-7	
REDOX	**-59.0**	mV			1		01/12/21 15:15		
Turbidity	**1.94**	NTU			1		01/12/21 15:15		
Water Level(NGVD)	**26.33**	feet			1		01/12/21 15:15		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0063 U**	ug/L	0.020	0.0063	1	01/13/21 17:04	01/14/21 15:32	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0098	0.0074	1	01/13/21 17:04	01/14/21 15:32	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**241**	ug/L	10.0	0.84	1	01/13/21 00:12	01/15/21 10:43	7440-39-3	
Beryllium	**0.24 I**	ug/L	4.0	0.17	1	01/13/21 00:12	01/15/21 10:43	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/13/21 00:12	01/15/21 10:43	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/13/21 00:12	01/15/21 10:43	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/13/21 00:12	01/15/21 10:43	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/13/21 00:12	01/15/21 10:43	7440-50-8	
Iron	**45700**	ug/L	400	250	10	01/13/21 00:12	01/15/21 10:47	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/13/21 00:12	01/15/21 10:43	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/13/21 00:12	01/15/21 10:43	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/13/21 00:12	01/13/21 17:51	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/13/21 00:12	01/15/21 10:43	7440-22-4	
Sodium	**33.4**	mg/L	2.0	0.54	1	01/13/21 00:12	01/15/21 10:43	7440-23-5	
Vanadium	**2.8 I**	ug/L	10.0	1.0	1	01/13/21 00:12	01/15/21 10:43	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/13/21 00:12	01/15/21 10:43	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/13/21 00:12	01/13/21 13:40	7440-36-0	
Arsenic	**2.8**	ug/L	1.0	0.50	1	01/13/21 00:12	01/13/21 13:40	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/13/21 00:12	01/13/21 13:40	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/19/21 09:40	01/21/21 11:00	7439-97-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B68 **Lab ID: 35603946008** Collected: 01/12/21 15:15 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/19/21 02:05	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/19/21 02:05	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 02:05	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/19/21 02:05	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/19/21 02:05	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/19/21 02:05	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/19/21 02:05	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/19/21 02:05	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/19/21 02:05	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/19/21 02:05	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/19/21 02:05	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/19/21 02:05	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/19/21 02:05	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/19/21 02:05	74-87-3	J(v2)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/19/21 02:05	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/19/21 02:05	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/19/21 02:05	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/19/21 02:05	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/19/21 02:05	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/19/21 02:05	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/19/21 02:05	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/19/21 02:05	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/19/21 02:05	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/19/21 02:05	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/19/21 02:05	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/19/21 02:05	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/19/21 02:05	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 02:05	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/19/21 02:05	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/19/21 02:05	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/19/21 02:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/19/21 02:05	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/19/21 02:05	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/19/21 02:05	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/19/21 02:05	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/19/21 02:05	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/19/21 02:05	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 02:05	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/19/21 02:05	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/19/21 02:05	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/19/21 02:05	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/19/21 02:05	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/19/21 02:05	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/19/21 02:05	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/19/21 02:05	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: B68 **Lab ID: 35603946008** Collected: 01/12/21 15:15 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/19/21 02:05	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		01/19/21 02:05	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/19/21 02:05	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**898**	mg/L	10.0	10.0	1		01/17/21 13:24		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**29.8**	mg/L	25.0	12.5	5		01/21/21 21:34	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**2.3**	mg/L	0.050	0.035	1		01/14/21 14:37	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.25 U**	mg/L	0.50	0.25	10		01/12/21 20:51	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: Trip Blank 1/12/21 **Lab ID: 35603946009** Collected: 01/12/21 00:00 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/18/21 17:33	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/18/21 17:33	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 17:33	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 17:33	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/18/21 17:33	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/18/21 17:33	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/18/21 17:33	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/18/21 17:33	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 17:33	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/18/21 17:33	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 17:33	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/18/21 17:33	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 17:33	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/18/21 17:33	74-87-3	J(v2)
1,2-Dibromo-3-chloropropane	**1.9 U**	ug/L	5.0	1.9	1		01/18/21 17:33	96-12-8	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/18/21 17:33	124-48-1	
1,2-Dibromoethane (EDB)	**0.31 U**	ug/L	1.0	0.31	1		01/18/21 17:33	106-93-4	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/18/21 17:33	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/18/21 17:33	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/18/21 17:33	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/18/21 17:33	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/18/21 17:33	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 17:33	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 17:33	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 17:33	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 17:33	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 17:33	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/18/21 17:33	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 17:33	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 17:33	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/18/21 17:33	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/18/21 17:33	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/18/21 17:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/18/21 17:33	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/18/21 17:33	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 17:33	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 17:33	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/18/21 17:33	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/18/21 17:33	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 17:33	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 17:33	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/18/21 17:33	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 17:33	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/18/21 17:33	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 17:33	108-05-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Sample: Trip Blank 1/12/21 **Lab ID: 35603946009** Collected: 01/12/21 00:00 Received: 01/12/21 15:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/18/21 17:33	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/18/21 17:33	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/18/21 17:33	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		01/18/21 17:33	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/18/21 17:33	2199-69-1	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

QC Batch: 697419
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603946001, 35603946002, 35603946003

METHOD BLANK: 3797153 Matrix: Water
Associated Lab Samples: 35603946001, 35603946002, 35603946003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	01/20/21 11:55	

LABORATORY CONTROL SAMPLE: 3797154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3797155 3797156

Parameter	Units	35603464005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	1.9	2.0	96	98	75-125	2	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

QC Batch: 697730
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603946004

METHOD BLANK: 3798465 Matrix: Water
Associated Lab Samples: 35603946004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	01/20/21 13:57	

LABORATORY CONTROL SAMPLE: 3798466

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.9	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3798467 3798468

Parameter	Units	35603946004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	1.9	1.9	97	94	75-125	3	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

QC Batch: 697731
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603946005, 35603946006, 35603946007, 35603946008

METHOD BLANK: 3798469 Matrix: Water
Associated Lab Samples: 35603946005, 35603946006, 35603946007, 35603946008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	01/21/21 10:35	

LABORATORY CONTROL SAMPLE: 3798470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3798471 3798472

Parameter	Units	35603946005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	2.0	1.9	98	96	75-125	2	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

QC Batch: 696131
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603946001, 35603946002, 35603946003, 35603946004, 35603946005, 35603946006, 35603946007, 35603946008

METHOD BLANK: 3789171 Matrix: Water
Associated Lab Samples: 35603946001, 35603946002, 35603946003, 35603946004, 35603946005, 35603946006, 35603946007, 35603946008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	01/15/21 11:01	
Beryllium	ug/L	0.17 U	4.0	0.17	01/15/21 11:01	
Cadmium	ug/L	0.33 U	1.0	0.33	01/15/21 11:01	
Chromium	ug/L	1.7 U	5.0	1.7	01/15/21 11:01	
Cobalt	ug/L	0.96 U	10.0	0.96	01/15/21 11:01	
Copper	ug/L	2.6 U	5.0	2.6	01/15/21 11:01	
Iron	ug/L	25.0 U	40.0	25.0	01/15/21 11:01	
Lead	ug/L	4.6 U	10.0	4.6	01/15/21 11:01	
Nickel	ug/L	2.1 U	5.0	2.1	01/15/21 11:01	
Selenium	ug/L	8.5 U	15.0	8.5	01/13/21 16:39	
Silver	ug/L	1.0 U	5.0	1.0	01/15/21 11:01	
Sodium	mg/L	0.54 U	2.0	0.54	01/15/21 11:01	
Vanadium	ug/L	1.0 U	10.0	1.0	01/15/21 11:01	
Zinc	ug/L	11.0 U	20.0	11.0	01/15/21 11:01	

LABORATORY CONTROL SAMPLE: 3789172

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	278	111	80-120	
Beryllium	ug/L	25	26.1	105	80-120	
Cadmium	ug/L	25	25.8	103	80-120	
Chromium	ug/L	250	265	106	80-120	
Cobalt	ug/L	250	262	105	80-120	
Copper	ug/L	250	260	104	80-120	
Iron	ug/L	2500	2660	106	80-120	
Lead	ug/L	250	259	104	80-120	
Nickel	ug/L	250	262	105	80-120	
Selenium	ug/L	250	250	100	80-120	
Silver	ug/L	25	26.2	105	80-120	
Sodium	mg/L	12.5	12.9	103	80-120	
Vanadium	ug/L	250	265	106	80-120	
Zinc	ug/L	1250	1290	103	80-120	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3789173 3789174

Parameter	Units	35603946002 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	291	296	109	111	75-125	2	20	
Beryllium	ug/L	0.17 U	25	25	25.6	25.7	102	102	75-125	0	20	
Cadmium	ug/L	0.33 U	25	25	25.2	25.4	101	101	75-125	1	20	
Chromium	ug/L	1.7 U	250	250	262	267	104	106	75-125	2	20	
Cobalt	ug/L	0.96 U	250	250	258	261	103	104	75-125	1	20	
Copper	ug/L	2.6 U	250	250	255	255	102	102	75-125	0	20	
Iron	ug/L	3260	2500	2500	5800	5900	102	106	75-125	2	20	
Lead	ug/L	4.6 U	250	250	255	256	102	102	75-125	0	20	
Nickel	ug/L	2.1 U	250	250	258	262	103	105	75-125	1	20	
Selenium	ug/L	8.5 U	250	250	233	235	93	94	75-125	1	20	
Silver	ug/L	1.0 U	25	25	25.3	25.8	101	103	75-125	2	20	
Sodium	mg/L	6.0	12.5	12.5	18.9	18.6	103	100	75-125	2	20	
Vanadium	ug/L	5.4 I	250	250	262	263	103	103	75-125	0	20	
Zinc	ug/L	11.0 U	1250	1250	1280	1280	102	102	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

QC Batch: 696130
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603946001, 35603946002, 35603946003, 35603946004, 35603946005, 35603946006, 35603946007, 35603946008

METHOD BLANK: 3789167 Matrix: Water
Associated Lab Samples: 35603946001, 35603946002, 35603946003, 35603946004, 35603946005, 35603946006, 35603946007, 35603946008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	01/13/21 12:57	
Arsenic	ug/L	0.50 U	1.0	0.50	01/13/21 12:57	
Thallium	ug/L	0.11 U	1.0	0.11	01/13/21 12:57	

LABORATORY CONTROL SAMPLE: 3789168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	51.3	103	80-120	
Arsenic	ug/L	50	50.7	101	80-120	
Thallium	ug/L	50	50.4	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3789169 3789170

Parameter	Units	35603870001 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	50.2	50.9	100	102	75-125	1	20	
Arsenic	ug/L	0.50 U	50	50	49.9	51.0	100	102	75-125	2	20	
Thallium	ug/L	0.11 U	50	50	49.9	50.9	100	102	75-125	2	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

QC Batch: 697623
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603946001, 35603946002, 35603946003, 35603946004, 35603946005, 35603946006, 35603946007, 35603946008, 35603946009

METHOD BLANK: 3797858
Matrix: Water
Associated Lab Samples: 35603946001, 35603946002, 35603946003, 35603946004, 35603946005, 35603946006, 35603946007, 35603946008, 35603946009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/18/21 15:43	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/18/21 15:43	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/18/21 15:43	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/18/21 15:43	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/18/21 15:43	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/18/21 15:43	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/18/21 15:43	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	5.0	1.9	01/18/21 15:43	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	1.0	0.31	01/18/21 15:43	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/18/21 15:43	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	01/18/21 15:43	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/18/21 15:43	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/18/21 15:43	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	01/18/21 15:43	
2-Hexanone	ug/L	3.2 U	25.0	3.2	01/18/21 15:43	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/18/21 15:43	
Acetone	ug/L	5.3 U	25.0	5.3	01/18/21 15:43	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/18/21 15:43	
Benzene	ug/L	0.30 U	1.0	0.30	01/18/21 15:43	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/18/21 15:43	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/18/21 15:43	
Bromoform	ug/L	0.48 U	3.0	0.48	01/18/21 15:43	
Bromomethane	ug/L	8.1 U	10.0	8.1	01/18/21 15:43	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/18/21 15:43	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/18/21 15:43	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/18/21 15:43	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/18/21 15:43	
Chloroform	ug/L	0.32 U	1.0	0.32	01/18/21 15:43	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/18/21 15:43	J(v2)
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/18/21 15:43	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/18/21 15:43	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/18/21 15:43	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/18/21 15:43	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/18/21 15:43	
Iodomethane	ug/L	9.3 U	10.0	9.3	01/18/21 15:43	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	01/18/21 15:43	
Styrene	ug/L	0.26 U	1.0	0.26	01/18/21 15:43	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/18/21 15:43	
Toluene	ug/L	0.33 U	1.0	0.33	01/18/21 15:43	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

METHOD BLANK: 3797858 Matrix: Water

Associated Lab Samples: 35603946001, 35603946002, 35603946003, 35603946004, 35603946005, 35603946006, 35603946007, 35603946008, 35603946009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/18/21 15:43	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/18/21 15:43	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/18/21 15:43	
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/18/21 15:43	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	01/18/21 15:43	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/18/21 15:43	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/18/21 15:43	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/18/21 15:43	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130		01/18/21 15:43	
4-Bromofluorobenzene (S)	%	99	70-130		01/18/21 15:43	
Toluene-d8 (S)	%	103	70-130		01/18/21 15:43	

LABORATORY CONTROL SAMPLE: 3797859

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.3	97	70-130	
1,1,1-Trichloroethane	ug/L	20	20.5	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.1	96	68-125	
1,1,2-Trichloroethane	ug/L	20	19.5	98	70-130	
1,1-Dichloroethane	ug/L	20	19.7	99	70-130	
1,1-Dichloroethene	ug/L	20	20.4	102	66-133	
1,2,3-Trichloropropane	ug/L	20	19.1	96	62-127	
1,2-Dibromo-3-chloropropane	ug/L	20	17.4	87	45-137	
1,2-Dibromoethane (EDB)	ug/L	20	19.3	96	70-130	
1,2-Dichlorobenzene	ug/L	20	18.3	92	70-130	
1,2-Dichloroethane	ug/L	20	21.4	107	70-130	
1,2-Dichloropropane	ug/L	20	19.7	99	70-130	
1,4-Dichlorobenzene	ug/L	20	18.1	91	70-130	
2-Butanone (MEK)	ug/L	100	97.1	97	47-143	
2-Hexanone	ug/L	100	88.6	89	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	85.4	85	57-132	
Acetone	ug/L	100	112	112	46-148	
Acrylonitrile	ug/L	100	96.1	96	60-143	
Benzene	ug/L	20	19.2	96	70-130	
Bromochloromethane	ug/L	20	20.1	100	70-130	
Bromodichloromethane	ug/L	20	20.4	102	70-130	
Bromoform	ug/L	20	16.3	81	49-126	
Bromomethane	ug/L	20	8.1 U	28	10-165	J(v3)
Carbon disulfide	ug/L	20	19.0	95	60-141	
Carbon tetrachloride	ug/L	20	20.8	104	63-126	
Chlorobenzene	ug/L	20	18.7	94	70-130	
Chloroethane	ug/L	20	20.6	103	71-142	
Chloroform	ug/L	20	20.3	101	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

LABORATORY CONTROL SAMPLE: 3797859

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	20	14.2	71	40-140	J(v3)
cis-1,2-Dichloroethene	ug/L	20	19.6	98	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.8	99	70-130	
Dibromochloromethane	ug/L	20	19.0	95	62-118	
Dibromomethane	ug/L	20	20.0	100	70-130	
Ethylbenzene	ug/L	20	18.3	91	70-130	
Iodomethane	ug/L	20	9.3 U	30	10-164	J(v3)
Methylene Chloride	ug/L	20	20.1	100	65-136	
Styrene	ug/L	20	19.0	95	70-130	
Tetrachloroethene	ug/L	20	19.1	96	64-134	
Toluene	ug/L	20	18.2	91	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.8	89	68-127	
trans-1,3-Dichloropropene	ug/L	20	17.1	86	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	16.1	80	42-129	
Trichloroethene	ug/L	20	20.1	100	70-130	
Trichlorofluoromethane	ug/L	20	21.2	106	65-135	
Vinyl acetate	ug/L	20	21.8	109	60-144	
Vinyl chloride	ug/L	20	16.6	83	68-131	
Xylene (Total)	ug/L	60	56.1	93	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 3797861

Parameter	Units	35605070002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	19.1	96	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	21.6	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	17.7	89	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	19.2	96	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	21.0	105	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	17.1	85	62-127	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	20	15.1	76	45-137	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	20	18.5	92	70-130	
1,2-Dichlorobenzene	ug/L	0.60 U	20	16.1	80	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	21.8	109	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	19.6	98	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	15.4	77	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	77.9	78	47-143	
2-Hexanone	ug/L	3.2 U	100	71.4	71	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	69.4	69	57-132	
Acetone	ug/L	5.3 U	100	84.9	85	46-148	
Acrylonitrile	ug/L	3.7 U	100	102	102	60-143	
Benzene	ug/L	0.30 U	20	20.0	100	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

MATRIX SPIKE SAMPLE: 3797861

Parameter	Units	35605070002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromochloromethane	ug/L	0.37 U	20	20.8	104	70-130	
Bromodichloromethane	ug/L	0.19 U	20	20.6	103	70-130	
Bromoform	ug/L	0.48 U	20	15.2	76	49-126	
Bromomethane	ug/L	8.1 U	20	8.1 U	38	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	17.6	88	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	20.5	103	63-126	
Chlorobenzene	ug/L	0.35 U	20	18.2	91	70-130	
Chloroethane	ug/L	3.7 U	20	22.6	113	71-142	
Chloroform	ug/L	0.32 U	20	21.0	105	70-130	
Chloromethane	ug/L	0.43 U	20	16.7	83	40-140	J(v3)
cis-1,2-Dichloroethene	ug/L	0.27 U	20	19.6	98	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	16.8	84	70-130	
Dibromochloromethane	ug/L	0.45 U	20	18.7	93	62-118	
Dibromomethane	ug/L	0.68 U	20	20.3	102	70-130	
Ethylbenzene	ug/L	0.30 U	20	17.1	85	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	25	10-164	J(v3)
Methylene Chloride	ug/L	4.4 U	20	19.7	99	65-136	
Styrene	ug/L	0.26 U	20	17.5	87	70-130	
Tetrachloroethene	ug/L	0.38 U	20	16.7	83	64-134	
Toluene	ug/L	0.33 U	20	17.8	89	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	17.9	89	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	16.6	83	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	13.9	70	42-129	
Trichloroethene	ug/L	0.36 U	20	18.9	94	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	21.5	107	65-135	
Vinyl acetate	ug/L	1.8 U	20	18.5	93	60-144	
Vinyl chloride	ug/L	0.39 U	20	18.5	93	68-131	
Xylene (Total)	ug/L	2.1 U	60	51.8	86	70-130	
1,2-Dichlorobenzene-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				105	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 3797860

Parameter	Units	35605070001 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-Dibromo-3-chloropropane	ug/L	1.9 U	1.9 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	0.31 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

SAMPLE DUPLICATE: 3797860

Parameter	Units	35605070001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	0.27 U	0.27 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	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	8.1 U	8.1 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	0.32 U	0.32 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	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 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	0.35 U	0.35 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)	%	104	101			
4-Bromofluorobenzene (S)	%	99	99		40	
Toluene-d8 (S)	%	101	105		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

QC Batch: 696359
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603946001, 35603946002, 35603946003, 35603946004

METHOD BLANK: 3790505 Matrix: Water
Associated Lab Samples: 35603946001, 35603946002, 35603946003, 35603946004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	01/14/21 07:01	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	01/14/21 07:01	

LABORATORY CONTROL SAMPLE: 3790506

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.23	91	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.22	88	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3790507 3790508

Parameter	Units	35603815001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0063 U	0.44	0.44	0.58	0.57	133	131	60-140	1	40	
1,2-Dibromoethane (EDB)	ug/L	0.0074 U	0.44	0.44	0.54	0.53	123	120	60-140	3	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

QC Batch: 696360
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603946005, 35603946006, 35603946007, 35603946008

METHOD BLANK: 3790514 Matrix: Water
Associated Lab Samples: 35603946005, 35603946006, 35603946007, 35603946008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	01/14/21 13:31	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	01/14/21 13:31	

LABORATORY CONTROL SAMPLE: 3790515

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.23	94	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.23	91	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3790516 3790517

Parameter	Units	35603946005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.44	0.44	0.58	0.60	132	136	60-140	3	40	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.44	0.44	0.51	0.55	117	125	60-140	6	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

QC Batch: 696916 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603946001, 35603946002, 35603946003, 35603946004, 35603946005

METHOD BLANK: 3794212 Matrix: Water
Associated Lab Samples: 35603946001, 35603946002, 35603946003, 35603946004, 35603946005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	01/15/21 13:52	

LABORATORY CONTROL SAMPLE: 3794213

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	308	103	90-110	

SAMPLE DUPLICATE: 3794214

Parameter	Units	35603945002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	120	118	2	10	

SAMPLE DUPLICATE: 3794215

Parameter	Units	35604221005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	43.0	44.0	2	10	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

QC Batch: 697343
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35603946006, 35603946007, 35603946008

METHOD BLANK: 3796899 Matrix: Water
Associated Lab Samples: 35603946006, 35603946007, 35603946008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	01/17/21 13:23	

LABORATORY CONTROL SAMPLE: 3796900

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	310	103	90-110	

SAMPLE DUPLICATE: 3796902

Parameter	Units	35603913001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	117	119	2	10	

SAMPLE DUPLICATE: 3796903

Parameter	Units	35604091001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	154	150	3	10	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

QC Batch: 698639 | 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: 35603946001, 35603946002, 35603946003, 35603946004, 35603946005, 35603946006, 35603946007, 35603946008

METHOD BLANK: 3803705 Matrix: Water
Associated Lab Samples: 35603946001, 35603946002, 35603946003, 35603946004, 35603946005, 35603946006, 35603946007, 35603946008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	01/21/21 14:28	

LABORATORY CONTROL SAMPLE: 3803706

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3803707 3803708

Parameter	Units	35603870004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	5.7	50	50	54.4	54.3	97	97	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3803709 3803710

Parameter	Units	35603946007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	14.0	50	50	64.1	67.3	100	107	90-110	5	20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

QC Batch: 696662
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: 35603946001, 35603946002, 35603946003, 35603946004, 35603946005, 35603946006, 35603946007, 35603946008

METHOD BLANK: 3792415 Matrix: Water
Associated Lab Samples: 35603946001, 35603946002, 35603946003, 35603946004, 35603946005, 35603946006, 35603946007, 35603946008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	01/14/21 13:58	

LABORATORY CONTROL SAMPLE: 3792416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3792418 3792417

Parameter	Units	35603870002 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	1.8	1	1	2.8	2.8	105	103	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3792419 3792420

Parameter	Units	35603946005 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	2.5	1	1	3.6	3.6	102	102	90-110	0	20	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

QC Batch: 696091 | 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: 35603946001, 35603946002, 35603946003, 35603946004, 35603946005, 35603946006, 35603946007, 35603946008

METHOD BLANK: 3788971 Matrix: Water
Associated Lab Samples: 35603946001, 35603946002, 35603946003, 35603946004, 35603946005, 35603946006, 35603946007, 35603946008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/12/21 18:30	

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Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

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.

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(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.

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8 East Tower Circle
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(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35603946002	**B74 DUP**				
35603946003	**B74**				
35603946004	**B75**				
35603946005	**B60**				
35603946006	**B59-1R**				
35603946007	**B59-2R**				
35603946008	**B68**				
35603946001	**EQ Blank 1/12/21**	EPA 8011	696359	EPA 8011	696437
35603946002	**B74 DUP**	EPA 8011	696359	EPA 8011	696437
35603946003	**B74**	EPA 8011	696359	EPA 8011	696437
35603946004	**B75**	EPA 8011	696359	EPA 8011	696437
35603946005	**B60**	EPA 8011	696360	EPA 8011	696438
35603946006	**B59-1R**	EPA 8011	696360	EPA 8011	696438
35603946007	**B59-2R**	EPA 8011	696360	EPA 8011	696438
35603946008	**B68**	EPA 8011	696360	EPA 8011	696438
35603946001	**EQ Blank 1/12/21**	EPA 3010	696131	EPA 6010	696138
35603946002	**B74 DUP**	EPA 3010	696131	EPA 6010	696138
35603946003	**B74**	EPA 3010	696131	EPA 6010	696138
35603946004	**B75**	EPA 3010	696131	EPA 6010	696138
35603946005	**B60**	EPA 3010	696131	EPA 6010	696138
35603946006	**B59-1R**	EPA 3010	696131	EPA 6010	696138
35603946007	**B59-2R**	EPA 3010	696131	EPA 6010	696138
35603946008	**B68**	EPA 3010	696131	EPA 6010	696138
35603946001	**EQ Blank 1/12/21**	EPA 3010	696130	EPA 6020	696137
35603946002	**B74 DUP**	EPA 3010	696130	EPA 6020	696137
35603946003	**B74**	EPA 3010	696130	EPA 6020	696137
35603946004	**B75**	EPA 3010	696130	EPA 6020	696137
35603946005	**B60**	EPA 3010	696130	EPA 6020	696137
35603946006	**B59-1R**	EPA 3010	696130	EPA 6020	696137
35603946007	**B59-2R**	EPA 3010	696130	EPA 6020	696137
35603946008	**B68**	EPA 3010	696130	EPA 6020	696137
35603946001	**EQ Blank 1/12/21**	EPA 7470	697419	EPA 7470	697617
35603946002	**B74 DUP**	EPA 7470	697419	EPA 7470	697617
35603946003	**B74**	EPA 7470	697419	EPA 7470	697617
35603946004	**B75**	EPA 7470	697730	EPA 7470	697847
35603946005	**B60**	EPA 7470	697731	EPA 7470	697920
35603946006	**B59-1R**	EPA 7470	697731	EPA 7470	697920
35603946007	**B59-2R**	EPA 7470	697731	EPA 7470	697920
35603946008	**B68**	EPA 7470	697731	EPA 7470	697920
35603946001	**EQ Blank 1/12/21**	EPA 8260	697623		
35603946002	**B74 DUP**	EPA 8260	697623		
35603946003	**B74**	EPA 8260	697623		
35603946004	**B75**	EPA 8260	697623		
35603946005	**B60**	EPA 8260	697623		
35603946006	**B59-1R**	EPA 8260	697623		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual MW's
Pace Project No.: 35603946

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35603946007	**B59-2R**	EPA 8260	697623		
35603946008	**B68**	EPA 8260	697623		
35603946009	**Trip Blank 1/12/21**	EPA 8260	697623		
35603946001	**EQ Blank 1/12/21**	SM 2540C	696916		
35603946002	**B74 DUP**	SM 2540C	696916		
35603946003	**B74**	SM 2540C	696916		
35603946004	**B75**	SM 2540C	696916		
35603946005	**B60**	SM 2540C	696916		
35603946006	**B59-1R**	SM 2540C	697343		
35603946007	**B59-2R**	SM 2540C	697343		
35603946008	**B68**	SM 2540C	697343		
35603946001	**EQ Blank 1/12/21**	EPA 300.0	698639		
35603946002	**B74 DUP**	EPA 300.0	698639		
35603946003	**B74**	EPA 300.0	698639		
35603946004	**B75**	EPA 300.0	698639		
35603946005	**B60**	EPA 300.0	698639		
35603946006	**B59-1R**	EPA 300.0	698639		
35603946007	**B59-2R**	EPA 300.0	698639		
35603946008	**B68**	EPA 300.0	698639		
35603946001	**EQ Blank 1/12/21**	EPA 350.1	696662		
35603946002	**B74 DUP**	EPA 350.1	696662		
35603946003	**B74**	EPA 350.1	696662		
35603946004	**B75**	EPA 350.1	696662		
35603946005	**B60**	EPA 350.1	696662		
35603946006	**B59-1R**	EPA 350.1	696662		
35603946007	**B59-2R**	EPA 350.1	696662		
35603946008	**B68**	EPA 350.1	696662		
35603946001	**EQ Blank 1/12/21**	EPA 353.2	696091		
35603946002	**B74 DUP**	EPA 353.2	696091		
35603946003	**B74**	EPA 353.2	696091		
35603946004	**B75**	EPA 353.2	696091		
35603946005	**B60**	EPA 353.2	696091		
35603946006	**B59-1R**	EPA 353.2	696091		
35603946007	**B59-2R**	EPA 353.2	696091		
35603946008	**B68**	EPA 353.2	696091		

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WO# : 35603946

35603946

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section C	
Required Client Information:	Invoice Information:
Company: Volusia County Solid Waste Management	Report To: Jennifer Stirk / Attention:
Address: 1990 Tomoka Farms Road	Copy To: / Company Name:
Port Orange, FL 32128	Address:
Email: jstirk@volusia.org	Purchase Order #: / Pace Quote:
Phone: 386-527-6336 Fax:	Project Name: Tomoka LF Semi-annual MWs / Pace Project Manager: jeff.baylor@pacelabs.com,
Requested Due Date:	Project #: / Pace Profile #: 1590, Line 1

Regulatory Agency

State / Location

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	TDS, NO3, CL	ammonia	Metals by 6010/6020/Hg	EDB 8011	8260 VOCs Full List	TRIP BLANK	Residual Chlorine (Y/N)
1	EB					1-12-21	9:45												X	X	X	X	X		
2	Dup						10:17																		
3	B74						10:17																		
4	B75						11:23																		
5	B60						12:11																		
6	B59-1R						1332																		
7	B59-2R						1407																		
8	B68						1515																		
9	TRIP BLANK						0000																	X	
10																									
11																									
12																									

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Empty Bottles	Pace Bottle Prep	11/8/20	1206				
	BRUCE FOSTER	1-12-21		ABI/Pace	1/12/21	1545	
						1337	4S 4 2 4

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	BRUCE FOSTER		
SIGNATURE of SAMPLER:		DATE Signed:	1-12-21

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

(SCUR)

WO# : 35603946

PM: JSB **Due Date: 01/26/21**

CLIENT: VOLDPW

Project #

Project Manager:

Client:

Date and Initials of person:
Examining contents: AS
Label:
Deliver:
pH:

Thermometer Used: T.337 Date: 1/12/21 Time: 1545 Initials: K.MF

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

Cooler #1 Temp.°C	4.5 **(Visual)**	0.0 **(Correction Factor)**	4.5 **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	4.8 **(Visual)**	0.0 **(Correction Factor)**	4.8 **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other_____

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

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

Tracking #

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

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☑ Other_____

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

Comments:

Chain of Custody Present	☑ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☑ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☑ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☑ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☑ No ☐ N/A	
Sufficient Volume	☑ Yes ☐ No ☐ N/A	
Correct Containers Used	☑ Yes ☐ No ☐ N/A	
Containers Intact	☑ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection) AS 1/12 KS	☑ Yes ☑ No ☐ N/A	
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: VOA, Coliform, TOC, O&G, Carbamates	☑ Yes ☐ No ☐ N/A	Preservative:_____ Lot #/Trace #:_____ Date:_____ Time:_____ Initials:_____
Headspace in VOA Vials? (>6mm):	☐ Yes ☑ No ☐ N/A	
Trip Blank Present:	☑ Yes ☐ No ☐ N/A	

Client Notification/ Resolution:
Person Contacted:_____ Date/Time:_____

Comments/ Resolution (use back for additional comments):
Sample ID on container for sample 008 does not match. container reads "B60". matched ~~sample~~ sample by time.
KS 1/12

Project Manager Review:_____ Date:_____

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste	SITE LOCATION: Tomoka Landfill	
WELL NO: EG	SAMPLE ID: EG	DATE: 1-12-21

PURGING DATA

WELL DIAMETER (inches): 2	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)
= (feet – feet) X gallons/foot = gallons

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

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

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

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Bruce Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 9:45	SAMPLING ENDED AT:
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)
	1	PE	1000	ICE			TDS NO3 Cl	APP	≤400
	1	|	250	HNO3			6010 6020 Hg	|	|
	1	|	1	H2SO4			NH3		
	2	CG	40	ICE			8011		
	3	1	1	HCl			8260		

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: Volusia County SOLID WASTE		SITE LOCATION: TOMOKA LFC SCMI	
WELL NO: B 74 / DUP	SAMPLE ID: B 74 / DUP		DATE: 1-12-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.91	PURGE PUMP TYPE OR BAILER: MP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (21.4 feet – 7.91 feet) X 0.16 gallons/foot = 2.1584 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):
11	11	9:55	10:17	3.52

TIME 24	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)
10:09	2.24	2.24	0.16	9.14	5.99	20.7	198	1.70	8.45	Tan/br	Sulfur
10:13	0.64	2.88	0.16	9.14	5.99	20.7	198	1.54	5.98	/	/
10:17	0.64	3.52	0.16	9.14	5.99	20.8	199	1.38	5.47	/	/

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BRUCE FOSTER	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:17	SAMPLING ENDED AT: 10:29
PUMP OR TUBING DEPTH IN WELL (feet): 11	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)
	1	PO	1000	ICE			TDS NO3 Cl	APP	400
	1	1	250	HNO3			6010 6020 CC	/	/
	1	1	1	H2SO4			NH3		
	2	CG	40	ICE			504		
	3	1	1	HCl			8260		

REMARKS:
ORP 49.8 / 44.2 / 37.5

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF SGMT	
WELL NO: B75	SAMPLE ID: B75	DATE: 1-12-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.72	PURGE PUMP TYPE OR BAILER: P

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

= (29.25 feet − 4.72 feet) X 0.16 gallons/foot = 4.0368 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7	PURGING INITIATED AT: 10:48	PURGING ENDED AT: 11:23	TOTAL VOLUME PURGED (gallons): 6.30

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)
11:11	4.14	4.14	0.18	5.13	6.01	22.1	629	1.60	15.3	yellow	sulfur
11:17	1.08	5.22	0.18	5.13	6.03	22.3	634	1.36	13.2	"	"
11:23	1.08	6.30	0.18	5.13	6.04	22.3	638	1.26	14.1	"	"

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: Bruce Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:23	SAMPLING ENDED AT: 11:28
PUMP OR TUBING DEPTH IN WELL (feet): 7	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)
	1	PG	1000	ICE			TDS NO3 Cl	APP	400
	1	P	250	HNO3			6010 6020 Hg		
	1	P	1	H2SO4			NH3		
	2	CG	40	ICE			8011		
	3	P	1	HCl			8260		

REMARKS:
ORP 3.9 2.2 −2.6

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi
WELL NO: B 60	SAMPLE ID: B60
DATE: 1-12-21	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.94	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)

= (35.75 feet – 6.94 feet) X 0.16 gallons/foot = 4.6096 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9	PURGING INITIATED AT: 11:38	PURGING ENDED AT: 12:11	TOTAL VOLUME PURGED (gallons): 7.26

TIME 21 6	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)
11:59	4.62	4.62	0.22	7.88	6.77	23.4	408	1.33	15.8	yellow	Sulfur
12:05	1.32	5.94	0.22	7.88	6.77	23.5	409	1.17	10.4	/	/
12:11	1.32	7.26	0.22	7.88	6.77	23.6	409	1.06	7.10	/	/

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: Bruce Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 12:11	SAMPLING ENDED AT: 12:17
PUMP OR TUBING DEPTH IN WELL (feet): 9	TUBING MATERIAL CODE: HDPE,S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
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)
	1	PE	1000	ICE			TDS NO3 Cl	AP1	400
	1	1	250	HNO3			6010 6020 Hg	/	/
	1	1	1	H2SO4			NH3	/	/
	2	CG	40	ICE			8011	/	/
	3	1	1	HCl			8260	/	/

REMARKS:
ORP −55.6 −57.2 −58.3

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: Volusia County, Solid Waste	SITE LOCATION: Tomoka LF SGMS	
WELL NO: B59-1R	SAMPLE ID: B59-1R	DATE: 1-12-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.72	PURGE PUMP TYPE OR BAILER: P

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (34.95 feet – 6.72 feet) X 0.16 gallons/foot = 4.5168 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9	PURGING INITIATED AT: 12:47	PURGING ENDED AT: 13:32	TOTAL VOLUME PURGED (gallons): 7.60

TIME (24 hr)	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)
13:16	4.64	4.64	0.16	7.69	7.02	23.7	456	1.12	8.81	Yellow	Sulfur
13:24	1.28	5.92	0.16	7.69	7.01	23.8	457	0.84	11.5	"	"
13:32	1.28	7.20	0.16	7.69	7.01	23.8	457	0.81	8.73	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Bruce Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:32	SAMPLING ENDED AT: 13:38
PUMP OR TUBING DEPTH IN WELL (feet): 9	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
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)
	1	PE	1000	ICE			TDS NO3 Cl	APP	400
	1	1	250	HNO3			6010 6020 Hg		
	1	1	1	H2SO4			NH3		
	2	CG	40	ICE			8011		
	3	1	1	HCl			8260		

REMARKS:
ORP -18.3 -19.4 -20.3

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF SEME	
WELL NO: B59-2R	SAMPLE ID: B59-2R	DATE: 1-12-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.12	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (17.69 feet – 7.12 feet) X 0.16 gallons/foot = 1.69 12 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):
9	9	13:50	14:07	2.72

TIME 11 3	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 1.0 % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
14:01	1.76	1.76	0.16	7.88	7.02	22.1	537	~~1.01~~	14.6	yellow	Sulfer
14:04	0.44	2.24	0.16	7.88	7.01	22.1	537	0.67	14.0	/	1
1407	0.48	2.72	0.16	7.88	7.00	22.1	538	0.61	12.2	/	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: Bruce Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 14:07	SAMPLING ENDED AT: 1413
PUMP OR TUBING DEPTH IN WELL (feet): 9	TUBING MATERIAL CODE: HDPE,S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
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)
	1	PE	1000	ICE			TDS M2540C	APP	400
	1	1	250	HNO3			6010 6020 Hg	/	/
	1	1	1	H2SO4			NH3	/	/
	2	CG	40	ICE			8021	/	/
	3	1	1	HCl			8260	/	/

REMARKS:
ORP 11.5 2.4 -0.9

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: Volusia County - SOLID WASTE	SITE LOCATION: TOMOKA	
WELL NO: B 68	SAMPLE ID: B 68	DATE: 1-12-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.80	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)

= (35.77 feet − 6.80 feet) X 0.16 gallons/foot = 4.6352 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME 4.6352 (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: 14:20	PURGING ENDED AT: 1515	TOTAL VOLUME PURGED (gallons): 7.20

TIME (24 hr)	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)
14:49	4.64	4.64	0.16	8.36	6.38	23.8	966	1.10	5.12	yellow	Sulfur
14:57	1.28	5.92	0.16	8.36	6.37	23.8	966	0.96	2.25	"	"
1515	1.28	7.20	0.16	8.36	6.36	23.8	966	0.91	1.94	"	"

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: BRUCE FOSTER	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1515	SAMPLING ENDED AT: 1521
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)
	1	PE	1000	ICE			TDS NO3 Cl	APP	400
	1	"	250	HNO3			6010 6020 HG	"	"
	1	"	1	H2SO4			NH3	"	"
	2	CG	40	ICE			8011	"	"
	3	"	1	HCL			8260	"	"

REMARKS: ORP −65.0 −64.2 −59.0

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

January 27, 2021

Ms. Jennifer Stirk
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Port Orange, FL 32128

RE: Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Dear Ms. Stirk:

Enclosed are the analytical results for sample(s) received by the laboratory on January 13, 2021. 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,

Jeff Baylor

Jeff Baylor
jeff.baylor@pacelabs.com
(386)672-5668
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.

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CERTIFICATIONS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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Ormond Beach, FL 32174
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SAMPLE SUMMARY

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35604254001	**EQ Blank 1/13/21**	Water	01/13/21 09:54	01/13/21 15:15
35604254002	**B8-2 Dup**	Water	01/13/21 10:56	01/13/21 15:15
35604254003	**B8-2**	Water	01/13/21 10:56	01/13/21 15:15
35604254004	**B-11**	Water	01/13/21 11:55	01/13/21 15:15
35604254005	**B-2R**	Water	01/13/21 12:45	01/13/21 15:15
35604254006	**B-5**	Water	01/13/21 14:24	01/13/21 15:15
35604254007	**Trip Blank 1/13/21**	Water	01/13/21 00:00	01/13/21 15:15

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35604254001	**EQ Blank 1/13/21**	EPA 8011	LJM	2	PASI-O
		EPA 6010	KPP	14	PASI-O
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	EDC	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35604254002	**B8-2 Dup**	EPA 8011	LJM	2	PASI-O
		EPA 6010	KPP	14	PASI-O
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	CLL	1	PASI-O
35604254003	**B8-2**	EPA 8011	LJM	2	PASI-O
		EPA 6010	KPP	14	PASI-O
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	CLL	1	PASI-O
35604254004	**B-11**	EPA 8011	LJM	2	PASI-O
		EPA 6010	KPP	14	PASI-O
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35604254005	**B-2R**	EPA 8011	LJM	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	KPP	14	PASI-O
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	CLL	1	PASI-O
35604254006	**B-5**	EPA 8011	LJM	2	PASI-O
		EPA 6010	KPP	14	PASI-O
		EPA 6020	SLG	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35604254007	**Trip Blank 1/13/21**	EPA 8260	AST	50	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35604254001	**EQ Blank 1/13/21**					
EPA 6010	Barium	1.7 I	ug/L	10.0	01/14/21 23:14	
EPA 6010	Sodium	2.4	mg/L	2.0	01/14/21 23:14	
SM 2540C	Total Dissolved Solids	9.0	mg/L	5.0	01/18/21 14:42	
35604254002	**B8-2 Dup**					
	Field pH	4.83	Std. Units		01/13/21 10:56	
	Field Temperature	23.8	deg C		01/13/21 10:56	
	Appearance	Color: yellow, Sheen: none			01/13/21 10:56	
	Field Specific Conductance	1468	umhos/cm		01/13/21 10:56	
	Oxygen, Dissolved	1.02	mg/L		01/13/21 10:56	
	REDOX	144.4	mV		01/13/21 10:56	
	Turbidity	19.4	NTU		01/13/21 10:56	
	Water Level(NGVD)	27.45	feet		01/13/21 10:56	
EPA 6010	Barium	441	ug/L	10.0	01/14/21 23:23	
EPA 6010	Iron	52000	ug/L	400	01/17/21 17:41	
EPA 6010	Nickel	3.0 I	ug/L	5.0	01/14/21 23:23	
EPA 6010	Sodium	120	mg/L	2.0	01/14/21 23:23	
EPA 6010	Vanadium	33.4	ug/L	10.0	01/14/21 23:23	
EPA 6020	Arsenic	0.94 I	ug/L	1.0	01/14/21 15:55	
SM 2540C	Total Dissolved Solids	1920	mg/L	20.0	01/18/21 14:43	
EPA 300.0	Chloride	586	mg/L	50.0	01/23/21 01:49	M6
EPA 350.1	Nitrogen, Ammonia	0.21	mg/L	0.050	01/14/21 15:46	
35604254003	**B8-2**					
	Field pH	4.83	Std. Units		01/13/21 10:56	
	Field Temperature	23.8	deg C		01/13/21 10:56	
	Appearance	Color: yellow, Sheen: none			01/13/21 10:56	
	Field Specific Conductance	1468	umhos/cm		01/13/21 10:56	
	Oxygen, Dissolved	1.02	mg/L		01/13/21 10:56	
	REDOX	144.4	mV		01/13/21 10:56	
	Turbidity	19.4	NTU		01/13/21 10:56	
	Water Level(NGVD)	27.45	feet		01/13/21 10:56	
EPA 6010	Barium	445	ug/L	10.0	01/14/21 23:26	
EPA 6010	Iron	52900	ug/L	400	01/17/21 17:45	
EPA 6010	Nickel	2.8 I	ug/L	5.0	01/14/21 23:26	
EPA 6010	Sodium	121	mg/L	2.0	01/14/21 23:26	
EPA 6010	Vanadium	34.2	ug/L	10.0	01/14/21 23:26	
EPA 6020	Arsenic	0.83 I	ug/L	1.0	01/14/21 16:00	
SM 2540C	Total Dissolved Solids	1940	mg/L	20.0	01/18/21 14:43	
EPA 300.0	Chloride	609	mg/L	50.0	01/22/21 17:33	
EPA 350.1	Nitrogen, Ammonia	0.18	mg/L	0.050	01/14/21 15:47	
35604254004	**B-11**					
	Field pH	5.41	Std. Units		01/13/21 11:55	

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35604254004	**B-11**					
	Field Temperature	22.5	deg C		01/13/21 11:55	
	Appearance	Color: yellow, Sheen: none			01/13/21 11:55	
	Field Specific Conductance	145	umhos/cm		01/13/21 11:55	
	Oxygen, Dissolved	1.07	mg/L		01/13/21 11:55	
	REDOX	92.9	mV		01/13/21 11:55	
	Turbidity	6.17	NTU		01/13/21 11:55	
	Water Level(NGVD)	28.70	feet		01/13/21 11:55	
EPA 6010	Barium	39.2	ug/L	10.0	01/14/21 23:29	
EPA 6010	Beryllium	0.20 I	ug/L	4.0	01/14/21 23:29	
EPA 6010	Chromium	3.3 I	ug/L	5.0	01/14/21 23:29	
EPA 6010	Iron	1280	ug/L	40.0	01/14/21 23:29	
EPA 6010	Sodium	7.6	mg/L	2.0	01/14/21 23:29	
EPA 6010	Vanadium	18.1	ug/L	10.0	01/14/21 23:29	
EPA 6020	Arsenic	0.62 I	ug/L	1.0	01/14/21 16:02	
SM 2540C	Total Dissolved Solids	169	mg/L	5.0	01/19/21 13:54	
EPA 300.0	Chloride	10.4	mg/L	5.0	01/22/21 17:55	
EPA 350.1	Nitrogen, Ammonia	0.82	mg/L	0.050	01/14/21 15:52	
35604254005	**B-2R**					
	Field pH	3.05	Std. Units		01/13/21 12:45	
	Field Temperature	20.6	deg C		01/13/21 12:45	
	Appearance	Color: yellow, Sheen: none			01/13/21 12:45	
	Field Specific Conductance	1066	umhos/cm		01/13/21 12:45	
	Oxygen, Dissolved	962	mg/L		01/13/21 12:45	
	REDOX	516.3	mV		01/13/21 12:45	
	Turbidity	15.7	NTU		01/13/21 12:45	
	Water Level(NGVD)	28.51	feet		01/13/21 12:45	
EPA 6010	Barium	62.8	ug/L	10.0	01/14/21 23:33	
EPA 6010	Iron	2630	ug/L	40.0	01/14/21 23:33	
EPA 6010	Sodium	31.7	mg/L	2.0	01/14/21 23:33	
EPA 7470	Mercury	0.16 I	ug/L	0.20	01/21/21 09:10	
SM 2540C	Total Dissolved Solids	1050	mg/L	10.0	01/19/21 13:54	
EPA 300.0	Chloride	55.7	mg/L	25.0	01/22/21 19:03	
EPA 350.1	Nitrogen, Ammonia	0.88	mg/L	0.050	01/14/21 15:54	
35604254006	**B-5**					
	Field pH	6.63	Std. Units		01/13/21 14:24	
	Field Temperature	22.7	deg C		01/13/21 14:24	
	Field Specific Conductance	513	umhos/cm		01/13/21 14:24	
	Oxygen, Dissolved	0.72	mg/L		01/13/21 14:24	
	REDOX	65.9	mV		01/13/21 14:24	
	Turbidity	19.2	NTU		01/13/21 14:24	
	Water Level(NGVD)	28.94	feet		01/13/21 14:24	

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

SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35604254006	**B-5**					
EPA 6010	Barium	63.7	ug/L	10.0	01/14/21 23:36	
EPA 6010	Iron	8810	ug/L	40.0	01/14/21 23:36	
EPA 6010	Sodium	24.0	mg/L	2.0	01/14/21 23:36	
EPA 6020	Arsenic	1.4	ug/L	1.0	01/14/21 16:06	
SM 2540C	Total Dissolved Solids	409	mg/L	5.0	01/19/21 13:54	
EPA 300.0	Chloride	12.0	mg/L	5.0	01/22/21 19:25	
EPA 350.1	Nitrogen, Ammonia	0.57	mg/L	0.050	01/14/21 15:56	
EPA 353.2	Nitrogen, Nitrate	0.072	mg/L	0.050	01/13/21 20:18	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: EQ Blank 1/13/21 **Lab ID: 35604254001** Collected: 01/13/21 09:54 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	01/14/21 11:26	01/15/21 00:37	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	01/14/21 11:26	01/15/21 00:37	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**1.7 I**	ug/L	10.0	0.84	1	01/14/21 06:11	01/14/21 23:14	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/14/21 06:11	01/14/21 23:14	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/14/21 06:11	01/14/21 23:14	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/14/21 06:11	01/14/21 23:14	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/14/21 06:11	01/14/21 23:14	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/14/21 06:11	01/14/21 23:14	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	01/14/21 06:11	01/14/21 23:14	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/14/21 06:11	01/14/21 23:14	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/14/21 06:11	01/14/21 23:14	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/14/21 06:11	01/14/21 23:14	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/14/21 06:11	01/14/21 23:14	7440-22-4	
Sodium	**2.4**	mg/L	2.0	0.54	1	01/14/21 06:11	01/14/21 23:14	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	01/14/21 06:11	01/14/21 23:14	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/14/21 06:11	01/14/21 23:14	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	01/14/21 06:11	01/14/21 15:53	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/14/21 06:11	01/14/21 15:53	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/14/21 06:11	01/14/21 15:53	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/19/21 09:40	01/21/21 11:14	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/20/21 14:26	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/20/21 14:26	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 14:26	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/20/21 14:26	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/20/21 14:26	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/20/21 14:26	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/20/21 14:26	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/20/21 14:26	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/20/21 14:26	75-15-0	J(v1)
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/20/21 14:26	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/20/21 14:26	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/20/21 14:26	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: EQ Blank 1/13/21 **Lab ID: 35604254001** Collected: 01/13/21 09:54 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/20/21 14:26	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/20/21 14:26	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/20/21 14:26	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/20/21 14:26	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/20/21 14:26	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/20/21 14:26	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/20/21 14:26	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/20/21 14:26	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/20/21 14:26	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/20/21 14:26	75-35-4	J(v1)
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/20/21 14:26	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/20/21 14:26	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/20/21 14:26	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/20/21 14:26	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/20/21 14:26	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 14:26	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/20/21 14:26	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/20/21 14:26	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/20/21 14:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/20/21 14:26	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/20/21 14:26	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/20/21 14:26	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/20/21 14:26	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/20/21 14:26	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/20/21 14:26	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 14:26	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 14:26	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/20/21 14:26	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/20/21 14:26	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/20/21 14:26	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/20/21 14:26	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/20/21 14:26	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/20/21 14:26	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		01/20/21 14:26	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		01/20/21 14:26	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/20/21 14:26	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**9.0**	mg/L	5.0	5.0	1		01/18/21 14:42		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		01/26/21 15:34	16887-00-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: EQ Blank 1/13/21 **Lab ID: 35604254001** Collected: 01/13/21 09:54 Received: 01/13/21 15:15 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	**0.035 U**	mg/L	0.050	0.035	1		01/14/21 15:44	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		01/13/21 20:09	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: B8-2 Dup **Lab ID: 35604254002** Collected: 01/13/21 10:56 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**4.83**	Std. Units			1		01/13/21 10:56		
Field Temperature	**23.8**	deg C			1		01/13/21 10:56		
Appearance	**Color: yellow, Sheen: none**				1		01/13/21 10:56		
Field Specific Conductance	**1468**	umhos/cm			1		01/13/21 10:56		
Oxygen, Dissolved	**1.02**	mg/L			1		01/13/21 10:56	7782-44-7	
REDOX	**144.4**	mV			1		01/13/21 10:56		
Turbidity	**19.4**	NTU			1		01/13/21 10:56		
Water Level(NGVD)	**27.45**	feet			1		01/13/21 10:56		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	01/14/21 11:26	01/15/21 00:52	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	01/14/21 11:26	01/15/21 00:52	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**441**	ug/L	10.0	0.84	1	01/14/21 06:11	01/14/21 23:23	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/14/21 06:11	01/14/21 23:23	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/14/21 06:11	01/14/21 23:23	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/14/21 06:11	01/14/21 23:23	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/14/21 06:11	01/14/21 23:23	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/14/21 06:11	01/14/21 23:23	7440-50-8	
Iron	**52000**	ug/L	400	250	10	01/14/21 06:11	01/17/21 17:41	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/14/21 06:11	01/14/21 23:23	7439-92-1	
Nickel	**3.0 I**	ug/L	5.0	2.1	1	01/14/21 06:11	01/14/21 23:23	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/14/21 06:11	01/14/21 23:23	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/14/21 06:11	01/14/21 23:23	7440-22-4	
Sodium	**120**	mg/L	2.0	0.54	1	01/14/21 06:11	01/14/21 23:23	7440-23-5	
Vanadium	**33.4**	ug/L	10.0	1.0	1	01/14/21 06:11	01/14/21 23:23	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/14/21 06:11	01/14/21 23:23	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/14/21 06:11	01/14/21 15:55	7440-36-0	
Arsenic	**0.94 I**	ug/L	1.0	0.50	1	01/14/21 06:11	01/14/21 15:55	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/14/21 06:11	01/14/21 15:55	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/19/21 09:40	01/21/21 11:16	7439-97-6	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: B8-2 Dup **Lab ID: 35604254002** Collected: 01/13/21 10:56 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/20/21 19:21	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/20/21 19:21	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 19:21	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/20/21 19:21	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/20/21 19:21	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/20/21 19:21	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/20/21 19:21	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/20/21 19:21	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/20/21 19:21	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/20/21 19:21	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/20/21 19:21	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/20/21 19:21	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/20/21 19:21	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/20/21 19:21	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/20/21 19:21	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/20/21 19:21	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/20/21 19:21	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/20/21 19:21	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/20/21 19:21	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/20/21 19:21	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/20/21 19:21	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/20/21 19:21	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/20/21 19:21	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/20/21 19:21	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/20/21 19:21	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/20/21 19:21	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/20/21 19:21	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 19:21	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/20/21 19:21	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/20/21 19:21	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/20/21 19:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/20/21 19:21	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/20/21 19:21	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/20/21 19:21	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/20/21 19:21	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/20/21 19:21	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/20/21 19:21	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 19:21	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 19:21	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/20/21 19:21	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/20/21 19:21	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/20/21 19:21	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/20/21 19:21	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/20/21 19:21	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/20/21 19:21	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: B8-2 Dup **Lab ID: 35604254002** Collected: 01/13/21 10:56 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/20/21 19:21	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		01/20/21 19:21	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/20/21 19:21	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**1920**	mg/L	20.0	20.0	1		01/18/21 14:43		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**586**	mg/L	50.0	25.0	10		01/23/21 01:49	16887-00-6	M6
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.21**	mg/L	0.050	0.035	1		01/14/21 15:46	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.25 U**	mg/L	0.50	0.25	10		01/14/21 09:56	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: B8-2 **Lab ID: 35604254003** Collected: 01/13/21 10:56 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**4.83**	Std. Units			1		01/13/21 10:56		
Field Temperature	**23.8**	deg C			1		01/13/21 10:56		
Appearance	**Color: yellow, Sheen: none**				1		01/13/21 10:56		
Field Specific Conductance	**1468**	umhos/cm			1		01/13/21 10:56		
Oxygen, Dissolved	**1.02**	mg/L			1		01/13/21 10:56	7782-44-7	
REDOX	**144.4**	mV			1		01/13/21 10:56		
Turbidity	**19.4**	NTU			1		01/13/21 10:56		
Water Level(NGVD)	**27.45**	feet			1		01/13/21 10:56		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/14/21 11:26	01/15/21 01:07	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	01/14/21 11:26	01/15/21 01:07	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**445**	ug/L	10.0	0.84	1	01/14/21 06:11	01/14/21 23:26	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/14/21 06:11	01/14/21 23:26	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/14/21 06:11	01/14/21 23:26	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/14/21 06:11	01/14/21 23:26	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/14/21 06:11	01/14/21 23:26	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/14/21 06:11	01/14/21 23:26	7440-50-8	
Iron	**52900**	ug/L	400	250	10	01/14/21 06:11	01/17/21 17:45	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/14/21 06:11	01/14/21 23:26	7439-92-1	
Nickel	**2.8 I**	ug/L	5.0	2.1	1	01/14/21 06:11	01/14/21 23:26	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/14/21 06:11	01/14/21 23:26	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/14/21 06:11	01/14/21 23:26	7440-22-4	
Sodium	**121**	mg/L	2.0	0.54	1	01/14/21 06:11	01/14/21 23:26	7440-23-5	
Vanadium	**34.2**	ug/L	10.0	1.0	1	01/14/21 06:11	01/14/21 23:26	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/14/21 06:11	01/14/21 23:26	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/14/21 06:11	01/14/21 16:00	7440-36-0	
Arsenic	**0.83 I**	ug/L	1.0	0.50	1	01/14/21 06:11	01/14/21 16:00	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/14/21 06:11	01/14/21 16:00	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/19/21 09:40	01/21/21 11:23	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: B8-2 **Lab ID: 35604254003** Collected: 01/13/21 10:56 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/20/21 19:47	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/20/21 19:47	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 19:47	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/20/21 19:47	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/20/21 19:47	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/20/21 19:47	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/20/21 19:47	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/20/21 19:47	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/20/21 19:47	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/20/21 19:47	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/20/21 19:47	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/20/21 19:47	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/20/21 19:47	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/20/21 19:47	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/20/21 19:47	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/20/21 19:47	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/20/21 19:47	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/20/21 19:47	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/20/21 19:47	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/20/21 19:47	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/20/21 19:47	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/20/21 19:47	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/20/21 19:47	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/20/21 19:47	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/20/21 19:47	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/20/21 19:47	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/20/21 19:47	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 19:47	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/20/21 19:47	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/20/21 19:47	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/20/21 19:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/20/21 19:47	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/20/21 19:47	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/20/21 19:47	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/20/21 19:47	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/20/21 19:47	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/20/21 19:47	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 19:47	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 19:47	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/20/21 19:47	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/20/21 19:47	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/20/21 19:47	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/20/21 19:47	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/20/21 19:47	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/20/21 19:47	1330-20-7	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: B8-2 **Lab ID: 35604254003** Collected: 01/13/21 10:56 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/20/21 19:47	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		01/20/21 19:47	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/20/21 19:47	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**1940**	mg/L	20.0	20.0	1		01/18/21 14:43		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**609**	mg/L	50.0	25.0	10		01/22/21 17:33	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.18**	mg/L	0.050	0.035	1		01/14/21 15:47	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.25 U**	mg/L	0.50	0.25	10		01/14/21 09:57	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: B-11 **Lab ID: 35604254004** Collected: 01/13/21 11:55 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**5.41**	Std. Units			1		01/13/21 11:55		
Field Temperature	**22.5**	deg C			1		01/13/21 11:55		
Appearance	**Color: yellow, Sheen: none**				1		01/13/21 11:55		
Field Specific Conductance	**145**	umhos/cm			1		01/13/21 11:55		
Oxygen, Dissolved	**1.07**	mg/L			1		01/13/21 11:55	7782-44-7	
REDOX	**92.9**	mV			1		01/13/21 11:55		
Turbidity	**6.17**	NTU			1		01/13/21 11:55		
Water Level(NGVD)	**28.70**	feet			1		01/13/21 11:55		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/14/21 11:26	01/15/21 01:22	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	01/14/21 11:26	01/15/21 01:22	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**39.2**	ug/L	10.0	0.84	1	01/14/21 06:11	01/14/21 23:29	7440-39-3	
Beryllium	**0.20 I**	ug/L	4.0	0.17	1	01/14/21 06:11	01/14/21 23:29	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/14/21 06:11	01/14/21 23:29	7440-43-9	
Chromium	**3.3 I**	ug/L	5.0	1.7	1	01/14/21 06:11	01/14/21 23:29	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/14/21 06:11	01/14/21 23:29	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/14/21 06:11	01/14/21 23:29	7440-50-8	
Iron	**1280**	ug/L	40.0	25.0	1	01/14/21 06:11	01/14/21 23:29	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/14/21 06:11	01/14/21 23:29	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/14/21 06:11	01/14/21 23:29	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/14/21 06:11	01/14/21 23:29	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/14/21 06:11	01/14/21 23:29	7440-22-4	
Sodium	**7.6**	mg/L	2.0	0.54	1	01/14/21 06:11	01/14/21 23:29	7440-23-5	
Vanadium	**18.1**	ug/L	10.0	1.0	1	01/14/21 06:11	01/14/21 23:29	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/14/21 06:11	01/14/21 23:29	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/14/21 06:11	01/14/21 16:02	7440-36-0	
Arsenic	**0.62 I**	ug/L	1.0	0.50	1	01/14/21 06:11	01/14/21 16:02	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/14/21 06:11	01/14/21 16:02	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/19/21 09:40	01/21/21 11:26	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: B-11 **Lab ID: 35604254004** Collected: 01/13/21 11:55 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/20/21 20:14	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/20/21 20:14	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 20:14	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/20/21 20:14	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/20/21 20:14	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/20/21 20:14	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/20/21 20:14	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/20/21 20:14	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/20/21 20:14	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/20/21 20:14	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/20/21 20:14	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/20/21 20:14	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/20/21 20:14	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/20/21 20:14	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/20/21 20:14	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/20/21 20:14	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/20/21 20:14	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/20/21 20:14	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/20/21 20:14	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/20/21 20:14	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/20/21 20:14	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/20/21 20:14	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/20/21 20:14	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/20/21 20:14	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/20/21 20:14	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/20/21 20:14	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/20/21 20:14	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 20:14	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/20/21 20:14	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/20/21 20:14	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/20/21 20:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/20/21 20:14	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/20/21 20:14	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/20/21 20:14	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/20/21 20:14	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/20/21 20:14	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/20/21 20:14	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 20:14	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 20:14	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/20/21 20:14	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/20/21 20:14	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/20/21 20:14	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/20/21 20:14	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/20/21 20:14	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/20/21 20:14	1330-20-7	

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8 East Tower Circle
Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: B-11 **Lab ID: 35604254004** Collected: 01/13/21 11:55 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/20/21 20:14	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		01/20/21 20:14	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		01/20/21 20:14	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**169**	mg/L	5.0	5.0	1		01/19/21 13:54		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**10.4**	mg/L	5.0	2.5	1		01/22/21 17:55	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.82**	mg/L	0.050	0.035	1		01/14/21 15:52	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		01/13/21 20:16	14797-55-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: B-2R **Lab ID: 35604254005** Collected: 01/13/21 12:45 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**3.05**	Std. Units			1		01/13/21 12:45		
Field Temperature	**20.6**	deg C			1		01/13/21 12:45		
Appearance	**Color: yellow, Sheen: none**				1		01/13/21 12:45		
Field Specific Conductance	**1066**	umhos/cm			1		01/13/21 12:45		
Oxygen, Dissolved	**962**	mg/L			1		01/13/21 12:45	7782-44-7	
REDOX	**516.3**	mV			1		01/13/21 12:45		
Turbidity	**15.7**	NTU			1		01/13/21 12:45		
Water Level(NGVD)	**28.51**	feet			1		01/13/21 12:45		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	01/14/21 11:26	01/15/21 01:52	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	01/14/21 11:26	01/15/21 01:52	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**62.8**	ug/L	10.0	0.84	1	01/14/21 06:11	01/14/21 23:33	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/14/21 06:11	01/14/21 23:33	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/14/21 06:11	01/14/21 23:33	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/14/21 06:11	01/14/21 23:33	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/14/21 06:11	01/14/21 23:33	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/14/21 06:11	01/14/21 23:33	7440-50-8	
Iron	**2630**	ug/L	40.0	25.0	1	01/14/21 06:11	01/14/21 23:33	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/14/21 06:11	01/14/21 23:33	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/14/21 06:11	01/14/21 23:33	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/14/21 06:11	01/14/21 23:33	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/14/21 06:11	01/14/21 23:33	7440-22-4	
Sodium	**31.7**	mg/L	2.0	0.54	1	01/14/21 06:11	01/14/21 23:33	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	01/14/21 06:11	01/14/21 23:33	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/14/21 06:11	01/14/21 23:33	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/14/21 06:11	01/14/21 16:04	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/14/21 06:11	01/14/21 16:04	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/14/21 06:11	01/14/21 16:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.16 I**	ug/L	0.20	0.090	1	01/20/21 15:25	01/21/21 09:10	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: B-2R **Lab ID: 35604254005** Collected: 01/13/21 12:45 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/20/21 20:41	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/20/21 20:41	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 20:41	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/20/21 20:41	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/20/21 20:41	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/20/21 20:41	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/20/21 20:41	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/20/21 20:41	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/20/21 20:41	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/20/21 20:41	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/20/21 20:41	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/20/21 20:41	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/20/21 20:41	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/20/21 20:41	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/20/21 20:41	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/20/21 20:41	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/20/21 20:41	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/20/21 20:41	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/20/21 20:41	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/20/21 20:41	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/20/21 20:41	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/20/21 20:41	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/20/21 20:41	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/20/21 20:41	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/20/21 20:41	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/20/21 20:41	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/20/21 20:41	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 20:41	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/20/21 20:41	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/20/21 20:41	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/20/21 20:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/20/21 20:41	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/20/21 20:41	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/20/21 20:41	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/20/21 20:41	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/20/21 20:41	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/20/21 20:41	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 20:41	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 20:41	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/20/21 20:41	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/20/21 20:41	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/20/21 20:41	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/20/21 20:41	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/20/21 20:41	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/20/21 20:41	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: B-2R **Lab ID: 35604254005** Collected: 01/13/21 12:45 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/20/21 20:41	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/20/21 20:41	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/20/21 20:41	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**1050**	mg/L	10.0	10.0	1		01/19/21 13:54		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**55.7**	mg/L	25.0	12.5	5		01/22/21 19:03	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.88**	mg/L	0.050	0.035	1		01/14/21 15:54	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		01/14/21 08:43	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: B-5 **Lab ID: 35604254006** Collected: 01/13/21 14:24 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.63**	Std. Units			1		01/13/21 14:24		
Field Temperature	**22.7**	deg C			1		01/13/21 14:24		
Field Specific Conductance	**513**	umhos/cm			1		01/13/21 14:24		
Oxygen, Dissolved	**0.72**	mg/L			1		01/13/21 14:24	7782-44-7	
REDOX	**65.9**	mV			1		01/13/21 14:24		
Turbidity	**19.2**	NTU			1		01/13/21 14:24		
Water Level(NGVD)	**28.94**	feet			1		01/13/21 14:24		
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	01/14/21 11:26	01/15/21 02:07	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	01/14/21 11:26	01/15/21 02:07	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**63.7**	ug/L	10.0	0.84	1	01/14/21 06:11	01/14/21 23:36	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/14/21 06:11	01/14/21 23:36	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/14/21 06:11	01/14/21 23:36	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/14/21 06:11	01/14/21 23:36	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/14/21 06:11	01/14/21 23:36	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/14/21 06:11	01/14/21 23:36	7440-50-8	
Iron	**8810**	ug/L	40.0	25.0	1	01/14/21 06:11	01/14/21 23:36	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/14/21 06:11	01/14/21 23:36	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/14/21 06:11	01/14/21 23:36	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/14/21 06:11	01/14/21 23:36	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/14/21 06:11	01/14/21 23:36	7440-22-4	
Sodium	**24.0**	mg/L	2.0	0.54	1	01/14/21 06:11	01/14/21 23:36	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	01/14/21 06:11	01/14/21 23:36	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/14/21 06:11	01/14/21 23:36	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/14/21 06:11	01/14/21 16:06	7440-36-0	
Arsenic	**1.4**	ug/L	1.0	0.50	1	01/14/21 06:11	01/14/21 16:06	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/14/21 06:11	01/14/21 16:06	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/20/21 15:25	01/21/21 09:22	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/20/21 16:14	67-64-1	J(M1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/20/21 16:14	107-13-1	J(M1)

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: B-5 **Lab ID: 35604254006** Collected: 01/13/21 14:24 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 16:14	71-43-2	J(M1)
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/20/21 16:14	74-97-5	J(M1)
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/20/21 16:14	75-27-4	J(M1)
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/20/21 16:14	75-25-2	J(M1)
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/20/21 16:14	74-83-9	J(M1)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/20/21 16:14	78-93-3	J(M1)
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/20/21 16:14	75-15-0	J(M1), J(v1)
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/20/21 16:14	56-23-5	J(M1)
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/20/21 16:14	108-90-7	J(M1)
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/20/21 16:14	75-00-3	J(M1)
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/20/21 16:14	67-66-3	J(M1)
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/20/21 16:14	74-87-3	J(M1)
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/20/21 16:14	124-48-1	J(M1)
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/20/21 16:14	74-95-3	J(M1)
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/20/21 16:14	95-50-1	J(M1)
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/20/21 16:14	106-46-7	J(M1)
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/20/21 16:14	110-57-6	J(M1)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/20/21 16:14	75-34-3	J(M1)
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/20/21 16:14	107-06-2	J(M1)
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/20/21 16:14	75-35-4	J(M1), J(v1)
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/20/21 16:14	156-59-2	J(M1)
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/20/21 16:14	156-60-5	J(M1)
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/20/21 16:14	78-87-5	J(M1)
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/20/21 16:14	10061-01-5	J(M1)
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/20/21 16:14	10061-02-6	J(M1)
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 16:14	100-41-4	J(M1)
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/20/21 16:14	591-78-6	J(M1)
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/20/21 16:14	74-88-4	J(M1)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/20/21 16:14	75-09-2	J(M1)
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/20/21 16:14	108-10-1	J(M1)
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/20/21 16:14	100-42-5	J(M1)
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/20/21 16:14	630-20-6	J(M1)
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/20/21 16:14	79-34-5	J(M1)
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/20/21 16:14	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/20/21 16:14	108-88-3	J(M1)
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 16:14	71-55-6	J(M1)
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 16:14	79-00-5	J(M1)
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/20/21 16:14	79-01-6	J(M1)
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/20/21 16:14	75-69-4	J(M1)
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/20/21 16:14	96-18-4	J(M1)
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/20/21 16:14	108-05-4	J(M1)
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/20/21 16:14	75-01-4	J(M1)
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/20/21 16:14	1330-20-7	MS

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: B-5 **Lab ID: 35604254006** Collected: 01/13/21 14:24 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		01/20/21 16:14	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		01/20/21 16:14	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/20/21 16:14	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**409**	mg/L	5.0	5.0	1		01/19/21 13:54		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**12.0**	mg/L	5.0	2.5	1		01/22/21 19:25	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.57**	mg/L	0.050	0.035	1		01/14/21 15:56	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.072**	mg/L	0.050	0.025	1		01/13/21 20:18	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: Trip Blank 1/13/21 **Lab ID: 35604254007** Collected: 01/13/21 00:00 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/20/21 14:53	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/20/21 14:53	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 14:53	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/20/21 14:53	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/20/21 14:53	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/20/21 14:53	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/20/21 14:53	74-83-9	
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/20/21 14:53	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/20/21 14:53	75-15-0	J(v1)
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/20/21 14:53	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/20/21 14:53	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/20/21 14:53	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/20/21 14:53	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/20/21 14:53	74-87-3	
1,2-Dibromo-3-chloropropane	**1.9 U**	ug/L	5.0	1.9	1		01/20/21 14:53	96-12-8	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/20/21 14:53	124-48-1	
1,2-Dibromoethane (EDB)	**0.31 U**	ug/L	1.0	0.31	1		01/20/21 14:53	106-93-4	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/20/21 14:53	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/20/21 14:53	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/20/21 14:53	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/20/21 14:53	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/20/21 14:53	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/20/21 14:53	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/20/21 14:53	75-35-4	J(v1)
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/20/21 14:53	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/20/21 14:53	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/20/21 14:53	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/20/21 14:53	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/20/21 14:53	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 14:53	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/20/21 14:53	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/20/21 14:53	74-88-4	
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/20/21 14:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/20/21 14:53	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/20/21 14:53	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/20/21 14:53	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/20/21 14:53	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/20/21 14:53	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/20/21 14:53	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 14:53	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/20/21 14:53	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/20/21 14:53	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/20/21 14:53	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/20/21 14:53	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/20/21 14:53	108-05-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Sample: Trip Blank 1/13/21 **Lab ID: 35604254007** Collected: 01/13/21 00:00 Received: 01/13/21 15:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/20/21 14:53	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/20/21 14:53	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		01/20/21 14:53	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/20/21 14:53	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/20/21 14:53	2199-69-1	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

QC Batch: 697731
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35604254001, 35604254002, 35604254003, 35604254004

METHOD BLANK: 3798469 Matrix: Water
Associated Lab Samples: 35604254001, 35604254002, 35604254003, 35604254004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	01/21/21 10:35	

LABORATORY CONTROL SAMPLE: 3798470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3798471 3798472

Parameter	Units	35603946005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	2.0	1.9	98	96	75-125	2	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

QC Batch: 698264
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35604254005, 35604254006

METHOD BLANK: 3801010 Matrix: Water
Associated Lab Samples: 35604254005, 35604254006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	01/21/21 09:06	

LABORATORY CONTROL SAMPLE: 3801011

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.2	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3801012 3801013

Parameter	Units	35604254005 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	2.0	2.0	90	92	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

QC Batch: 696479
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35604254001, 35604254002, 35604254003, 35604254004, 35604254005, 35604254006

METHOD BLANK: 3791690 Matrix: Water
Associated Lab Samples: 35604254001, 35604254002, 35604254003, 35604254004, 35604254005, 35604254006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	01/17/21 18:10	
Beryllium	ug/L	0.17 U	4.0	0.17	01/17/21 18:10	
Cadmium	ug/L	0.33 U	1.0	0.33	01/17/21 18:10	
Chromium	ug/L	1.7 U	5.0	1.7	01/17/21 18:10	
Cobalt	ug/L	0.96 U	10.0	0.96	01/17/21 18:10	
Copper	ug/L	2.6 U	5.0	2.6	01/17/21 18:10	
Iron	ug/L	25.0 U	40.0	25.0	01/17/21 18:10	
Lead	ug/L	4.6 U	10.0	4.6	01/17/21 18:10	
Nickel	ug/L	2.1 U	5.0	2.1	01/17/21 18:10	
Selenium	ug/L	8.5 U	15.0	8.5	01/17/21 18:10	
Silver	ug/L	1.0 U	5.0	1.0	01/17/21 18:10	
Sodium	mg/L	0.54 U	2.0	0.54	01/17/21 18:10	
Vanadium	ug/L	1.0 U	10.0	1.0	01/17/21 18:10	
Zinc	ug/L	11.0 U	20.0	11.0	01/17/21 18:10	

LABORATORY CONTROL SAMPLE: 3791691

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	239	96	80-120	
Beryllium	ug/L	25	22.9	91	80-120	
Cadmium	ug/L	25	23.4	94	80-120	
Chromium	ug/L	250	233	93	80-120	
Cobalt	ug/L	250	236	95	80-120	
Copper	ug/L	250	226	90	80-120	
Iron	ug/L	2500	2370	95	80-120	
Lead	ug/L	250	234	93	80-120	
Nickel	ug/L	250	234	94	80-120	
Selenium	ug/L	250	225	90	80-120	
Silver	ug/L	25	22.7	91	80-120	
Sodium	mg/L	12.5	11.9	95	80-120	
Vanadium	ug/L	250	231	92	80-120	
Zinc	ug/L	1250	1180	94	80-120	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3791692 3791693

Parameter	Units	35604339013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	64.7	250	250	302	302	95	95	75-125	0	20	
Beryllium	ug/L	0.17 U	25	25	23.2	23.3	93	93	75-125	0	20	
Cadmium	ug/L	0.33 U	25	25	22.9	23.0	91	92	75-125	0	20	
Chromium	ug/L	1.7 U	250	250	235	235	94	94	75-125	0	20	
Cobalt	ug/L	0.96 U	250	250	238	238	95	95	75-125	0	20	
Copper	ug/L	2.6 U	250	250	241	241	97	96	75-125	0	20	
Iron	ug/L	14300	2500	2500	16100	16200	74	77	75-125	0	20	J(M1)
Lead	ug/L	4.6 U	250	250	231	228	92	91	75-125	1	20	
Nickel	ug/L	2.1 U	250	250	238	238	94	94	75-125	0	20	
Selenium	ug/L	8.5 U	250	250	234	237	94	95	75-125	1	20	
Silver	ug/L	1.0 U	25	25	24.5	24.5	98	98	75-125	0	20	
Sodium	mg/L	635	12.5	12.5	521	522	-908	-901	75-125	0	20	J(M1), L
Vanadium	ug/L	1.0 U	250	250	241	240	96	96	75-125	0	20	
Zinc	ug/L	11.0 U	1250	1250	1150	1150	92	92	75-125	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

QC Batch: 696478
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35604254001, 35604254002, 35604254003, 35604254004, 35604254005, 35604254006

METHOD BLANK: 3791686 Matrix: Water
Associated Lab Samples: 35604254001, 35604254002, 35604254003, 35604254004, 35604254005, 35604254006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	01/16/21 14:15	
Arsenic	ug/L	0.50 U	1.0	0.50	01/16/21 14:15	
Thallium	ug/L	0.11 U	1.0	0.11	01/16/21 14:15	

LABORATORY CONTROL SAMPLE: 3791687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.4	99	80-120	
Arsenic	ug/L	50	48.0	96	80-120	
Thallium	ug/L	50	47.9	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3791688 3791689

Parameter	Units	35604381001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	51.4	50.6	103	101	75-125	2	20	
Arsenic	ug/L	0.50 U	50	50	51.9	51.4	103	102	75-125	1	20	
Thallium	ug/L	0.11 U	50	50	47.7	47.7	95	95	75-125	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

QC Batch: 698148
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35604254002, 35604254003, 35604254004, 35604254005

METHOD BLANK: 3800305 Matrix: Water
Associated Lab Samples: 35604254002, 35604254003, 35604254004, 35604254005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/20/21 10:44	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/20/21 10:44	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/20/21 10:44	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/20/21 10:44	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/20/21 10:44	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/20/21 10:44	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/20/21 10:44	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/20/21 10:44	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	01/20/21 10:44	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/20/21 10:44	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/20/21 10:44	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	01/20/21 10:44	
2-Hexanone	ug/L	3.2 U	25.0	3.2	01/20/21 10:44	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/20/21 10:44	
Acetone	ug/L	5.3 U	25.0	5.3	01/20/21 10:44	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/20/21 10:44	
Benzene	ug/L	0.30 U	1.0	0.30	01/20/21 10:44	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/20/21 10:44	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/20/21 10:44	
Bromoform	ug/L	0.48 U	3.0	0.48	01/20/21 10:44	
Bromomethane	ug/L	8.1 U	10.0	8.1	01/20/21 10:44	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/20/21 10:44	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/20/21 10:44	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/20/21 10:44	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/20/21 10:44	
Chloroform	ug/L	0.32 U	1.0	0.32	01/20/21 10:44	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/20/21 10:44	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/20/21 10:44	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/20/21 10:44	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/20/21 10:44	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/20/21 10:44	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/20/21 10:44	
Iodomethane	ug/L	9.3 U	10.0	9.3	01/20/21 10:44	
Methylene Chloride	ug/L	4.4 U	5.0	4.4	01/20/21 10:44	
Styrene	ug/L	0.26 U	1.0	0.26	01/20/21 10:44	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/20/21 10:44	
Toluene	ug/L	0.33 U	1.0	0.33	01/20/21 10:44	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/20/21 10:44	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/20/21 10:44	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/20/21 10:44	

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

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

METHOD BLANK: 3800305 Matrix: Water
Associated Lab Samples: 35604254002, 35604254003, 35604254004, 35604254005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/20/21 10:44	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	01/20/21 10:44	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/20/21 10:44	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/20/21 10:44	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/20/21 10:44	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130		01/20/21 10:44	
4-Bromofluorobenzene (S)	%	102	70-130		01/20/21 10:44	
Toluene-d8 (S)	%	98	70-130		01/20/21 10:44	

LABORATORY CONTROL SAMPLE: 3800306

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.5	92	70-130	
1,1,1-Trichloroethane	ug/L	20	19.0	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.6	93	68-125	
1,1,2-Trichloroethane	ug/L	20	19.4	97	70-130	
1,1-Dichloroethane	ug/L	20	18.5	93	70-130	
1,1-Dichloroethene	ug/L	20	20.0	100	66-133	
1,2,3-Trichloropropane	ug/L	20	19.6	98	62-127	
1,2-Dichlorobenzene	ug/L	20	18.4	92	70-130	
1,2-Dichloroethane	ug/L	20	20.0	100	70-130	
1,2-Dichloropropane	ug/L	20	18.2	91	70-130	
1,4-Dichlorobenzene	ug/L	20	18.1	91	70-130	
2-Butanone (MEK)	ug/L	100	103	103	47-143	
2-Hexanone	ug/L	100	93.8	94	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	85.3	85	57-132	
Acetone	ug/L	100	107	107	46-148	
Acrylonitrile	ug/L	100	100	100	60-143	
Benzene	ug/L	20	18.6	93	70-130	
Bromochloromethane	ug/L	20	19.8	99	70-130	
Bromodichloromethane	ug/L	20	19.7	98	70-130	
Bromoform	ug/L	20	16.9	84	49-126	
Bromomethane	ug/L	20	16.2	81	10-165	
Carbon disulfide	ug/L	20	19.1	95	60-141	
Carbon tetrachloride	ug/L	20	18.6	93	63-126	
Chlorobenzene	ug/L	20	18.2	91	70-130	
Chloroethane	ug/L	20	20.2	101	71-142	
Chloroform	ug/L	20	18.8	94	70-130	
Chloromethane	ug/L	20	17.3	86	40-140	
cis-1,2-Dichloroethene	ug/L	20	18.4	92	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.6	98	70-130	
Dibromochloromethane	ug/L	20	19.3	96	62-118	
Dibromomethane	ug/L	20	19.9	100	70-130	
Ethylbenzene	ug/L	20	17.6	88	70-130	

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

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

LABORATORY CONTROL SAMPLE: 3800306

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	20.0	100	10-164	
Methylene Chloride	ug/L	20	18.8	94	65-136	
Styrene	ug/L	20	18.7	94	70-130	
Tetrachloroethene	ug/L	20	18.3	92	64-134	
Toluene	ug/L	20	17.7	88	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.2	91	68-127	
trans-1,3-Dichloropropene	ug/L	20	17.7	89	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	18.4	92	42-129	
Trichloroethene	ug/L	20	18.9	94	70-130	
Trichlorofluoromethane	ug/L	20	19.9	99	65-135	
Vinyl acetate	ug/L	20	20.2	101	60-144	
Vinyl chloride	ug/L	20	18.0	90	68-131	
Xylene (Total)	ug/L	60	54.2	90	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 3800308

Parameter	Units	35605708001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	20.1	101	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	23.4	117	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	19.2	96	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	20.4	102	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	21.1	105	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	23.8	119	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	19.6	98	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	18.9	95	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	22.0	110	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	20.0	100	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	18.8	94	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	82.9	83	47-143	
2-Hexanone	ug/L	3.2 U	100	88.8	89	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	84.8	85	57-132	
Acetone	ug/L	5.3 U	100	92.6	93	46-148	
Acrylonitrile	ug/L	3.7 U	100	106	106	60-143	
Benzene	ug/L	0.30 U	20	21.1	105	70-130	
Bromochloromethane	ug/L	0.37 U	20	21.4	107	70-130	
Bromodichloromethane	ug/L	0.19 U	20	21.6	108	70-130	
Bromoform	ug/L	0.48 U	20	17.2	86	49-126	
Bromomethane	ug/L	8.1 U	20	19.4	97	10-165	
Carbon disulfide	ug/L	1.8 U	20	22.3	112	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	24.0	120	63-126	
Chlorobenzene	ug/L	0.35 U	20	19.9	99	70-130	
Chloroethane	ug/L	3.7 U	20	23.1	115	71-142	

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

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

MATRIX SPIKE SAMPLE: 3800308

Parameter	Units	35605708001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	21.1	106	70-130	
Chloromethane	ug/L	0.43 U	20	20.1	101	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	20.7	104	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	18.7	94	70-130	
Dibromochloromethane	ug/L	0.45 U	20	20.1	100	62-118	
Dibromomethane	ug/L	0.68 U	20	21.1	106	70-130	
Ethylbenzene	ug/L	0.30 U	20	19.7	98	70-130	
Iodomethane	ug/L	9.3 U	20	24.0	120	10-164	
Methylene Chloride	ug/L	4.4 U	20	20.2	101	65-136	
Styrene	ug/L	0.26 U	20	20.1	101	70-130	
Tetrachloroethene	ug/L	0.38 U	20	21.2	106	64-134	
Toluene	ug/L	0.33 U	20	19.5	98	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	20.1	101	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	18.3	91	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	17.1	86	42-129	
Trichloroethene	ug/L	0.36 U	20	21.9	110	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	26.1	131	65-135	
Vinyl acetate	ug/L	1.8 U	20	20.7	103	60-144	
Vinyl chloride	ug/L	0.39 U	20	20.8	104	68-131	
Xylene (Total)	ug/L	2.1 U	60	60.4	101	70-130	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				103	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 3800307

Parameter	Units	35605474001 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-Dichloroethane	ug/L	0.27 U	0.27 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	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	13.1 I	8.9 I		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

SAMPLE DUPLICATE: 3800307

Parameter	Units	35605474001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	8.1 U	8.1 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	0.32 U	0.32 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	9.3 U	9.3 U		40	
Methylene Chloride	ug/L	4.4 U	4.4 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	0.35 U	0.35 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)	%	103	101			
4-Bromofluorobenzene (S)	%	102	101		40	
Toluene-d8 (S)	%	99	104		40	

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

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

QC Batch: 698600
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35604254001, 35604254006, 35604254007

METHOD BLANK: 3803415
Matrix: Water
Associated Lab Samples: 35604254001, 35604254006, 35604254007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/20/21 11:51	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/20/21 11:51	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/20/21 11:51	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/20/21 11:51	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/20/21 11:51	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/20/21 11:51	J(v1)
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/20/21 11:51	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	5.0	1.9	01/20/21 11:51	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	1.0	0.31	01/20/21 11:51	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/20/21 11:51	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	01/20/21 11:51	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/20/21 11:51	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/20/21 11:51	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	01/20/21 11:51	
2-Hexanone	ug/L	3.2 U	25.0	3.2	01/20/21 11:51	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/20/21 11:51	
Acetone	ug/L	5.3 U	25.0	5.3	01/20/21 11:51	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/20/21 11:51	
Benzene	ug/L	0.30 U	1.0	0.30	01/20/21 11:51	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/20/21 11:51	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/20/21 11:51	
Bromoform	ug/L	0.48 U	3.0	0.48	01/20/21 11:51	
Bromomethane	ug/L	8.1 U	10.0	8.1	01/20/21 11:51	
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/20/21 11:51	J(v1)
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/20/21 11:51	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/20/21 11:51	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/20/21 11:51	
Chloroform	ug/L	0.32 U	1.0	0.32	01/20/21 11:51	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/20/21 11:51	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/20/21 11:51	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/20/21 11:51	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/20/21 11:51	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/20/21 11:51	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/20/21 11:51	
Iodomethane	ug/L	9.3 U	10.0	9.3	01/20/21 11:51	
Methylene Chloride	ug/L	4.4 U	5.0	4.4	01/20/21 11:51	
Styrene	ug/L	0.26 U	1.0	0.26	01/20/21 11:51	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/20/21 11:51	
Toluene	ug/L	0.33 U	1.0	0.33	01/20/21 11:51	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/20/21 11:51	

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REPORT OF LABORATORY ANALYSIS

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

METHOD BLANK: 3803415 Matrix: Water
Associated Lab Samples: 35604254001, 35604254006, 35604254007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/20/21 11:51	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/20/21 11:51	
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/20/21 11:51	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	01/20/21 11:51	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/20/21 11:51	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/20/21 11:51	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/20/21 11:51	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130		01/20/21 11:51	
4-Bromofluorobenzene (S)	%	96	70-130		01/20/21 11:51	
Toluene-d8 (S)	%	99	70-130		01/20/21 11:51	

LABORATORY CONTROL SAMPLE: 3803416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.9	94	70-130	
1,1,1-Trichloroethane	ug/L	20	19.6	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.7	98	68-125	
1,1,2-Trichloroethane	ug/L	20	19.3	97	70-130	
1,1-Dichloroethane	ug/L	20	20.8	104	70-130	
1,1-Dichloroethene	ug/L	20	24.2	121	66-133	J(v1)
1,2,3-Trichloropropane	ug/L	20	18.4	92	62-127	
1,2-Dibromo-3-chloropropane	ug/L	20	18.7	93	45-137	
1,2-Dibromoethane (EDB)	ug/L	20	19.7	98	70-130	
1,2-Dichlorobenzene	ug/L	20	19.2	96	70-130	
1,2-Dichloroethane	ug/L	20	20.6	103	70-130	
1,2-Dichloropropane	ug/L	20	19.5	97	70-130	
1,4-Dichlorobenzene	ug/L	20	18.5	92	70-130	
2-Butanone (MEK)	ug/L	100	88.8	89	47-143	
2-Hexanone	ug/L	100	89.3	89	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	89.1	89	57-132	
Acetone	ug/L	100	99.3	99	46-148	
Acrylonitrile	ug/L	100	110	110	60-143	
Benzene	ug/L	20	20.0	100	70-130	
Bromochloromethane	ug/L	20	19.5	98	70-130	
Bromodichloromethane	ug/L	20	19.8	99	70-130	
Bromoform	ug/L	20	20.1	100	49-126	
Bromomethane	ug/L	20	22.6	113	10-165	
Carbon disulfide	ug/L	20	26.7	133	60-141	J(v1)
Carbon tetrachloride	ug/L	20	19.3	96	63-126	
Chlorobenzene	ug/L	20	18.8	94	70-130	
Chloroethane	ug/L	20	20.3	101	71-142	
Chloroform	ug/L	20	20.5	102	70-130	
Chloromethane	ug/L	20	20.8	104	40-140	
cis-1,2-Dichloroethene	ug/L	20	20.8	104	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

LABORATORY CONTROL SAMPLE: 3803416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	20	20.1	101	70-130	
Dibromochloromethane	ug/L	20	19.4	97	62-118	
Dibromomethane	ug/L	20	19.4	97	70-130	
Ethylbenzene	ug/L	20	18.6	93	70-130	
Iodomethane	ug/L	20	20.8	104	10-164	
Methylene Chloride	ug/L	20	22.2	111	65-136	
Styrene	ug/L	20	17.4	87	70-130	
Tetrachloroethene	ug/L	20	18.4	92	64-134	
Toluene	ug/L	20	18.5	93	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.8	99	68-127	
trans-1,3-Dichloropropene	ug/L	20	20.0	100	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	19.6	98	42-129	
Trichloroethene	ug/L	20	19.0	95	70-130	
Trichlorofluoromethane	ug/L	20	20.8	104	65-135	
Vinyl acetate	ug/L	20	22.7	113	60-144	
Vinyl chloride	ug/L	20	19.8	99	68-131	
Xylene (Total)	ug/L	60	57.9	96	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 3803427

Parameter	Units	35604254006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	17.3	87	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	19.9	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	17.2	86	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	17.4	87	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	20.5	103	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	25.3	126	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	17.7	88	62-127	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	20	16.4	82	45-137	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	20	17.3	87	70-130	
1,2-Dichlorobenzene	ug/L	0.60 U	20	17.4	87	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	19.1	95	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	19.8	99	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	17.2	86	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	80.4	80	47-143	
2-Hexanone	ug/L	3.2 U	100	77.9	78	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	79.0	79	57-132	
Acetone	ug/L	5.3 U	100	82.1	82	46-148	
Acrylonitrile	ug/L	3.7 U	100	91.8	92	60-143	
Benzene	ug/L	0.30 U	20	19.5	97	70-130	
Bromochloromethane	ug/L	0.37 U	20	17.3	86	70-130	
Bromodichloromethane	ug/L	0.19 U	20	19.2	96	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

MATRIX SPIKE SAMPLE: 3803427

Parameter	Units	35604254006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	0.48 U	20	17.7	89	49-126	
Bromomethane	ug/L	8.1 U	20	9.6 I	48	10-165	
Carbon disulfide	ug/L	1.8 U	20	27.1	136	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	20.2	101	63-126	
Chlorobenzene	ug/L	0.35 U	20	17.5	87	70-130	
Chloroethane	ug/L	3.7 U	20	20.6	103	71-142	
Chloroform	ug/L	0.32 U	20	19.2	96	70-130	
Chloromethane	ug/L	0.43 U	20	17.8	89	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	19.7	98	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	17.3	86	70-130	
Dibromochloromethane	ug/L	0.45 U	20	17.1	86	62-118	
Dibromomethane	ug/L	0.68 U	20	17.9	90	70-130	
Ethylbenzene	ug/L	0.30 U	20	17.4	87	70-130	
Iodomethane	ug/L	9.3 U	20	12.2	60	10-164	
Methylene Chloride	ug/L	4.4 U	20	20.3	102	65-136	
Styrene	ug/L	0.26 U	20	15.6	78	70-130	
Tetrachloroethene	ug/L	0.38 U	20	17.3	86	64-134	
Toluene	ug/L	0.33 U	20	17.3	87	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	19.9	99	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	17.8	89	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	15.0	75	42-129	
Trichloroethene	ug/L	0.36 U	20	18.2	91	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	22.7	114	65-135	
Vinyl acetate	ug/L	1.8 U	20	17.7	89	60-144	
Vinyl chloride	ug/L	0.39 U	20	21.0	105	68-131	
Xylene (Total)	ug/L	2.1 U	60	54.1	90	70-130	MS
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 3803556

Parameter	Units	35605569001 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-Dibromo-3-chloropropane	ug/L	1.9 U	1.9 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	0.31 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

SAMPLE DUPLICATE: 3803556

Parameter	Units	35605569001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	8.1 U	8.1 U		40	
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	0.32 U	0.32 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	9.3 U	9.3 U		40	
Methylene Chloride	ug/L	4.4 U	4.4 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	0.35 U	0.35 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)	%	105	104			
4-Bromofluorobenzene (S)	%	95	95		40	
Toluene-d8 (S)	%	101	100		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

QC Batch: 696528
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35604254001, 35604254002, 35604254003, 35604254004, 35604254005, 35604254006

METHOD BLANK: 3791846 Matrix: Water
Associated Lab Samples: 35604254001, 35604254002, 35604254003, 35604254004, 35604254005, 35604254006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	01/14/21 23:07	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	01/14/21 23:07	

LABORATORY CONTROL SAMPLE: 3791847

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.23	91	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.23	92	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3791848 3791849

Parameter	Units	35604188001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.44	0.44	0.56	0.50	128	115	60-140	11	40	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.44	0.44	0.56	0.51	127	116	60-140	9	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

QC Batch: 697522 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35604254001, 35604254002, 35604254003

METHOD BLANK: 3797366 Matrix: Water
Associated Lab Samples: 35604254001, 35604254002, 35604254003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	01/18/21 14:41	

LABORATORY CONTROL SAMPLE: 3797367

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	313	104	90-110	

SAMPLE DUPLICATE: 3797368

Parameter	Units	35604427001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	54.0	53.0	2	10	

SAMPLE DUPLICATE: 3797369

Parameter	Units	35604389001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	808	810	0	10	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

QC Batch: 697750 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35604254004, 35604254005, 35604254006

METHOD BLANK: 3798495 Matrix: Water
Associated Lab Samples: 35604254004, 35604254005, 35604254006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	01/19/21 13:53	

LABORATORY CONTROL SAMPLE: 3798496

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

SAMPLE DUPLICATE: 3798498

Parameter	Units	35604586004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	51.0	53.0	4	10	

SAMPLE DUPLICATE: 3798499

Parameter	Units	35604254004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	169	167	1	10	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

QC Batch: 698963
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: 35604254003, 35604254004, 35604254005, 35604254006

METHOD BLANK: 3806361 Matrix: Water
Associated Lab Samples: 35604254003, 35604254004, 35604254005, 35604254006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	01/22/21 16:48	

LABORATORY CONTROL SAMPLE: 3806362

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.9	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3806363 3806364

Parameter	Units	35604254004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	10.4	50	50	61.2	60.9	102	101	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3806365 3806366

Parameter	Units	35603870001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	25.3	50	50	64.8	78.8	79	107	90-110	19	20	J(M1)

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

QC Batch: 698968
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: 35604254002

METHOD BLANK: 3806397 Matrix: Water
Associated Lab Samples: 35604254002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	01/22/21 16:45	

LABORATORY CONTROL SAMPLE: 3806398

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.3	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3806399 3806400

Parameter	Units	35603208001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	19.4	50	50	72.0	72.5	105	106	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3806401 3806402

Parameter	Units	35604254002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	586	500	500	1180	1180	119	118	90-110	0	20	L,M6

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

QC Batch: 699750
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: 35604254001

METHOD BLANK: 3810576 Matrix: Water
Associated Lab Samples: 35604254001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	01/26/21 14:49	

LABORATORY CONTROL SAMPLE: 3810577

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.6	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3810578 3810579

Parameter	Units	35606039001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	35.9	50	50	85.2	91.3	99	111	90-110	7	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3810580 3810581

Parameter	Units	35606039009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	40.8	50	50	96.3	97.6	111	114	90-110	1	20	J(M1)

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

QC Batch: 696681
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: 35604254001, 35604254002, 35604254003, 35604254004, 35604254005, 35604254006

METHOD BLANK: 3792511 Matrix: Water
Associated Lab Samples: 35604254001, 35604254002, 35604254003, 35604254004, 35604254005, 35604254006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	01/14/21 15:12	

LABORATORY CONTROL SAMPLE: 3792512

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3792514 3792513

Parameter	Units	35604045001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	31.9	5	5	36.7	36.7	97	97	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3792515 3792516

Parameter	Units	35604250001 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	1.9	1	1	2.9	3.0	105	106	90-110	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

QC Batch: 696404
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: 35604254001, 35604254004, 35604254006

METHOD BLANK: 3791212 Matrix: Water
Associated Lab Samples: 35604254001, 35604254004, 35604254006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/13/21 19:46	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

QC Batch: 696481
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: 35604254002, 35604254003

METHOD BLANK: 3791700 Matrix: Water
Associated Lab Samples: 35604254002, 35604254003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/14/21 07:46	

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: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

QC Batch: 696482
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: 35604254005

METHOD BLANK: 3791706 Matrix: Water
Associated Lab Samples: 35604254005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/14/21 08:31	

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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(386)672-5668

QUALIFIERS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

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.

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.
L	Off-scale high. Actual value is known to be greater than value given.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
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: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35604254002	**B8-2 Dup**				
35604254003	**B8-2**				
35604254004	**B-11**				
35604254005	**B-2R**				
35604254006	**B-5**				
35604254001	**EQ Blank 1/13/21**	EPA 8011	696528	EPA 8011	696806
35604254002	**B8-2 Dup**	EPA 8011	696528	EPA 8011	696806
35604254003	**B8-2**	EPA 8011	696528	EPA 8011	696806
35604254004	**B-11**	EPA 8011	696528	EPA 8011	696806
35604254005	**B-2R**	EPA 8011	696528	EPA 8011	696806
35604254006	**B-5**	EPA 8011	696528	EPA 8011	696806
35604254001	**EQ Blank 1/13/21**	EPA 3010	696479	EPA 6010	696549
35604254002	**B8-2 Dup**	EPA 3010	696479	EPA 6010	696549
35604254003	**B8-2**	EPA 3010	696479	EPA 6010	696549
35604254004	**B-11**	EPA 3010	696479	EPA 6010	696549
35604254005	**B-2R**	EPA 3010	696479	EPA 6010	696549
35604254006	**B-5**	EPA 3010	696479	EPA 6010	696549
35604254001	**EQ Blank 1/13/21**	EPA 3010	696478	EPA 6020	696550
35604254002	**B8-2 Dup**	EPA 3010	696478	EPA 6020	696550
35604254003	**B8-2**	EPA 3010	696478	EPA 6020	696550
35604254004	**B-11**	EPA 3010	696478	EPA 6020	696550
35604254005	**B-2R**	EPA 3010	696478	EPA 6020	696550
35604254006	**B-5**	EPA 3010	696478	EPA 6020	696550
35604254001	**EQ Blank 1/13/21**	EPA 7470	697731	EPA 7470	697920
35604254002	**B8-2 Dup**	EPA 7470	697731	EPA 7470	697920
35604254003	**B8-2**	EPA 7470	697731	EPA 7470	697920
35604254004	**B-11**	EPA 7470	697731	EPA 7470	697920
35604254005	**B-2R**	EPA 7470	698264	EPA 7470	698332
35604254006	**B-5**	EPA 7470	698264	EPA 7470	698332
35604254001	**EQ Blank 1/13/21**	EPA 8260	698600		
35604254002	**B8-2 Dup**	EPA 8260	698148		
35604254003	**B8-2**	EPA 8260	698148		
35604254004	**B-11**	EPA 8260	698148		
35604254005	**B-2R**	EPA 8260	698148		
35604254006	**B-5**	EPA 8260	698600		
35604254007	**Trip Blank 1/13/21**	EPA 8260	698600		
35604254001	**EQ Blank 1/13/21**	SM 2540C	697522		
35604254002	**B8-2 Dup**	SM 2540C	697522		
35604254003	**B8-2**	SM 2540C	697522		
35604254004	**B-11**	SM 2540C	697750		
35604254005	**B-2R**	SM 2540C	697750		
35604254006	**B-5**	SM 2540C	697750		
35604254001	**EQ Blank 1/13/21**	EPA 300.0	699750		

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(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604254

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35604254002	**B8-2 Dup**	EPA 300.0	698968		
35604254003	**B8-2**	EPA 300.0	698963		
35604254004	**B-11**	EPA 300.0	698963		
35604254005	**B-2R**	EPA 300.0	698963		
35604254006	**B-5**	EPA 300.0	698963		
35604254001	**EQ Blank 1/13/21**	EPA 350.1	696681		
35604254002	**B8-2 Dup**	EPA 350.1	696681		
35604254003	**B8-2**	EPA 350.1	696681		
35604254004	**B-11**	EPA 350.1	696681		
35604254005	**B-2R**	EPA 350.1	696681		
35604254006	**B-5**	EPA 350.1	696681		
35604254001	**EQ Blank 1/13/21**	EPA 353.2	696404		
35604254002	**B8-2 Dup**	EPA 353.2	696481		
35604254003	**B8-2**	EPA 353.2	696481		
35604254004	**B-11**	EPA 353.2	696404		
35604254005	**B-2R**	EPA 353.2	696482		
35604254006	**B-5**	EPA 353.2	696404		

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WO# : 35604254

35604254

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uest Document

t fields must be completed accurately.

Page : 1 Of 1

Section A — **Required Client Information:**

Company:	Volusia County Solid Waste Management
Address:	1990 Tomoka Farms Road
	Port Orange, FL 32128
Email:	jstirk@volusia.org
Phone:	386-527-6336 Fax
Requested Due Date:	

Section B — **Required Project Information:**

Report To:	Jennifer Stirk
Copy To:	
Purchase Order #:	
Project Name:	Tomoka LF Semi-annual MWs
Project #:	

Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	jeff.baylor@pacelabs.com,
Pace Profile #:	1590, Line 1

Regulatory Agency

State / Location

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	TDS, NO3, Cl	ammonia	Metals by 6010/6020/Hg	EDB 8011	8260 VOCs Full List	TRIP BLANK?	Residual Chlorine (Y/N)
1	EO					1-13-21	9:54												X	X	X	X	X		
2	DUP						10:56																		
3	B 8-2						10:56																		
4	B-11						11:55																		
5	B2-R						12:45																		
6	B-5						1429																		
7	TRIP BLANK						0000																	X	
8																									
9																									
10																									
11																									
12																									

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Empty Bottles	Pace Bottle Prep	11/8/20	1206							
	Bruce Foster	1-13-21	1515	IRL / PACE	1/13/21	1515	9.3	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Bruce Foster

SIGNATURE of SAMPLER:

DATE Signed: 1-13-21

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form Document No.: F-FL-C-007 rev. 13	Document Revised: May 30, 2018 Issuing Authority: Pace Florida Quality Office

WO# : 35604254

PM: JSB Due Date: 01/27/21

CLIENT: VOLDPW

(SCUR)

Project #

Project Manager

Client:

Date and Initials of person:

Examining contents: _____

Label: _____

Deliver: IR1

pH: _____

Thermometer Used: T-337 Date: 1/13/21 Time: 1515 Initials: KMF

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

Cooler #1 Temp.°C 9.3	**(Visual)** 0.0	**(Correction Factor)**	9.3 **(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

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

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

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

Tracking # _____

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

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

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

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: _____

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi's	
WELL NO: EQ	SAMPLE ID: EQ	DATE: 1-13-21

PURGING DATA

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

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

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

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

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

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

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

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Bruce Fosgan	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 9:54	SAMPLING ENDED AT:
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)
	1	PE	1000	ICE			TDS NO3 Cl	App	240
	1	1	250	HNO3			6010 6020 ICP	|	|
	1	1	1	H2SO4			NH3	|	|
	2	CG	40	ICE			8011	|	|
	3	1	1	HCL			420.	|	|

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi	
WELL NO: B-8-2 / Dup	SAMPLE ID: B-8-2 / Dup	DATE: 1-13-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.20	PURGE PUMP TYPE OR BAILER: P

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

= (33.70 feet – 6.29 feet) X 0.16 gallons/foot = 4.3056 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: 10:15	PURGING ENDED AT: 10:56	TOTAL VOLUME PURGED (gallons): 6.56

TIME 24	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)
10:42	4.32	4.32	0.16	8.63	4.85	23.8	1374	1.31	17.8	Yellow	Sulfur
10:49	1.12	5.44	0.16	8.63	4.84	23.8	1376	1.19	18.2		
10:56	1.12	6.56	0.16	8.63	4.83	23.8	1468	1.02	19.4		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Bruce Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:56	SAMPLING ENDED AT: 11:16
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)
	1	PB	1000	ICE			705 NO3 Cl	AM	200
	1	1	250	HNO3			6010 6020 HG		
	1		1	H2SO4			NH3		
	2	CG	40	ICE			8011		
	3	1	1	HCl			8260		

REMARKS:
ORP 162.5 154.9 144.4

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semis
WELL NO: B-11	SAMPLE ID: B-11	DATE: 1-13-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.63	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)
= (16.75 feet − 4.63 feet) X 0.16 gallons/foot = 1.9712 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6	PURGING INITIATED AT: 11:32	PURGING ENDED AT: 11:55	TOTAL VOLUME PURGED (gallons): 3.22

TIME (15 / 4)	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)
11:47	2.10	2.10	0.14	6.18	5.43	22.43	146	1.35	13.9	yellow	Sulfur
11:51	0.56	2.66	0.14	6.18	5.43	22.5	144	1.22	8.53	1	1
11:55	0.56	3.22	0.14	6.18	5.91	22.5	145	1.07	6.17	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: Brad Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:55	SAMPLING ENDED AT: 12:02
PUMP OR TUBING DEPTH IN WELL (feet): 8	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)
	1	PE	1000	ICE			TDS NO3 Cl	APP	200
	1	1	250	HNO3			6010 6020 Hg		
	1		1	H2SO4			NH3		
	2	CG	40	ICE			9071		
	3	1	1	HCl			4260		

REMARKS:
ORP 96.5 96.4 92.9

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: Volusia County - Solid Waste	SITE LOCATION: Tomoka LF	
WELL NO: B2R	SAMPLE ID: B2R	DATE: 1.13.21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.00	PURGE PUMP TYPE OR BAILER: P

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

= (27.35 feet − 6.00 feet) X 0.16 gallons/foot = 3.416 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8	PURGING INITIATED AT: 12:17	PURGING ENDED AT: 12:45	TOTAL VOLUME PURGED (gallons): 5.60

TIME (16 / 5)	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)
12:35	3.60	3.60	0.20	6.42	3.10	20.4	1060	1.22	18.8	yellow	sulfur
12:40	1.00	4.60	0.20	6.42	3.07	20.6	1064	1.08	17.2	1	1
12:45	1.00	5.60	0.20	6.42	3.05	20.6	1066	96.2	15.7	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: Bruce Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 12:45	SAMPLING ENDED AT: 12:52
PUMP OR TUBING DEPTH IN WELL (feet): 8	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)
	1	PE	1000	ICE			TDS NO3 Cl	APP	400
	1	1	250	HNO3			6010 6020 Hg	1	1
	1	1	1	H2SO4			NH3	1	1
	3	CG	40	ICE			9011	1	1
	3	1	1	HCl			8260	1	1

REMARKS: ORP 504.3 508.3 516.3

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: Volusia County - Solid Waste	SITE LOCATION: Tomoka LF SE Mtg
WELL NO: B-5	SAMPLE ID: B-5
DATE: 1-13-21	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 3.82	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)
= (25.60 feet – 3.82 feet) X 0.16 gallons/foot = 3.4848 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7	PURGING INITIATED AT: 13:45	PURGING ENDED AT: 1424	TOTAL VOLUME PURGED (gallons): 5.46

TIME (24)	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)
1410	3.50	3.50	0.14	5.14	6.62	22.6	511	1.18	19.5	yellow	sulfur
1417	0.98	4.48	0.14	5.14	6.63	22.6	511	0.96	15.7	1	1
1424	0.98	5.46	0.14	5.14	6.63	22.7	513	0.72	19.2		

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: Bruce Rosser	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1424	SAMPLING ENDED AT: 1437
PUMP OR TUBING DEPTH IN WELL (feet): 7	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)
	1	PE	1000	ICE			TDS 2003 Cl	111	400
	1	1	250	HNO3			6010 6020 Hg	|	|
	1	1	1	H2SO4			NH3		
	2	G	40	ICE			9011		
	3	1	1	HCl			8260		

REMARKS:
ORP 162.3 93.6 65.9

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

January 26, 2021

Ms. Jennifer Stirk
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Port Orange, FL 32128

RE: Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Dear Ms. Stirk:

Enclosed are the analytical results for sample(s) received by the laboratory on January 14, 2021. 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,

Jeff Baylor

Jeff Baylor
jeff.baylor@pacelabs.com
(386)672-5668
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.

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

CERTIFICATIONS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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

SAMPLE SUMMARY

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35604632001	**EQ Blank 1/14/21**	Water	01/14/21 09:22	01/14/21 15:40
35604632002	**M05-B**	Water	01/14/21 10:27	01/14/21 15:40
35604632003	**B39**	Water	01/14/21 11:16	01/14/21 15:40
35604632004	**B33-2**	Water	01/14/21 11:57	01/14/21 15:40
35604632005	**B33-1**	Water	01/14/21 12:52	01/14/21 15:40
35604632006	**Trip Blank 1/14/21**	Water	01/14/21 00:00	01/14/21 15:40
35604632007	**M05-B Dup**	Water	01/14/21 10:27	01/14/21 15:40

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

SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35604632001	**EQ Blank 1/14/21**	EPA 8011	TSW	2	PASI-O
		EPA 6010	AMS	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	CLL	1	PASI-O
35604632002	**M05-B**	EPA 8011	TSW	2	PASI-O
		EPA 6010	AMS	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	CLL	1	PASI-O
35604632003	**B39**	EPA 8011	TSW	2	PASI-O
		EPA 6010	AMS	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	CLL	1	PASI-O
35604632004	**B33-2**	EPA 8011	TSW	2	PASI-O
		EPA 6010	AMS	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	CLL	1	PASI-O
35604632005	**B33-1**	EPA 8011	TSW	2	PASI-O

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Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	AMS	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	CLL	1	PASI-O
35604632006	**Trip Blank 1/14/21**	EPA 8260	AST	50	PASI-O
35604632007	**M05-B Dup**	EPA 8011	TSW	2	PASI-O
		EPA 6010	AMS	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	RAK	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	CLL	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35604632001	**EQ Blank 1/14/21**					
EPA 6010	Barium	1.7 I	ug/L	10.0	01/15/21 22:05	
SM 2540C	Total Dissolved Solids	14.0	mg/L	5.0	01/19/21 15:32	
35604632002	**M05-B**					
	Field pH	6.74	Std. Units		01/14/21 10:27	
	Field Temperature	22.3	deg C		01/14/21 10:27	
	Appearance	Color: yellow, Sheen: none			01/14/21 10:27	
	Field Specific Conductance	979	umhos/cm		01/14/21 10:27	
	Oxygen, Dissolved	0.54	mg/L		01/14/21 10:27	
	REDOX	4.1	mV		01/14/21 10:27	
	Turbidity	3.39	NTU		01/14/21 10:27	
	Water Level(NGVD)	21.32	feet		01/14/21 10:27	
EPA 6010	Barium	232	ug/L	10.0	01/15/21 22:08	
EPA 6010	Chromium	3.0 I	ug/L	5.0	01/15/21 22:08	
EPA 6010	Cobalt	1.2 I	ug/L	10.0	01/15/21 22:08	
EPA 6010	Iron	9660	ug/L	40.0	01/15/21 22:08	
EPA 6010	Sodium	103	mg/L	2.0	01/15/21 22:08	
EPA 6010	Vanadium	1.5 I	ug/L	10.0	01/15/21 22:08	
EPA 6020	Arsenic	0.62 I	ug/L	1.0	01/19/21 13:50	
SM 2540C	Total Dissolved Solids	852	mg/L	10.0	01/19/21 15:32	
EPA 300.0	Chloride	110	mg/L	25.0	01/24/21 19:05	
EPA 350.1	Nitrogen, Ammonia	5.8	mg/L	0.050	01/15/21 17:16	
EPA 353.2	Nitrogen, Nitrate	0.30	mg/L	0.050	01/15/21 08:55	
35604632003	**B39**					
	Field pH	4.89	Std. Units		01/14/21 11:16	
	Field Temperature	20.83	deg C		01/14/21 11:16	
	Appearance	Color: yellow, Sheen: none			01/14/21 11:16	
	Field Specific Conductance	130	umhos/cm		01/14/21 11:16	
	Oxygen, Dissolved	0.32	mg/L		01/14/21 11:16	
	REDOX	100.5	mV		01/14/21 11:16	
	Turbidity	7.29	NTU		01/14/21 11:16	
	Water Level(NGVD)	24.57	feet		01/14/21 11:16	
EPA 6010	Barium	32.0	ug/L	10.0	01/15/21 22:12	
EPA 6010	Chromium	12.6	ug/L	5.0	01/15/21 22:12	
EPA 6010	Iron	13200	ug/L	40.0	01/15/21 22:12	
EPA 6010	Nickel	3.7 I	ug/L	5.0	01/15/21 22:12	
EPA 6010	Sodium	12.6	mg/L	2.0	01/15/21 22:12	
EPA 6010	Vanadium	48.3	ug/L	10.0	01/15/21 22:12	
EPA 6020	Arsenic	26.7	ug/L	1.0	01/19/21 13:52	
SM 2540C	Total Dissolved Solids	202	mg/L	5.0	01/19/21 15:32	
EPA 300.0	Chloride	17.8	mg/L	5.0	01/24/21 19:27	
EPA 350.1	Nitrogen, Ammonia	1.8	mg/L	0.050	01/15/21 17:17	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35604632004	**B33-2**					
	Field pH	6.60	Std. Units		01/14/21 11:57	
	Field Temperature	19.73	deg C		01/14/21 11:57	
	Appearance	Color: yellow, Sheen: none			01/14/21 11:57	
	Field Specific Conductance	631	umhos/cm		01/14/21 11:57	
	Oxygen, Dissolved	0.45	mg/L		01/14/21 11:57	
	REDOX	43.7	mV		01/14/21 11:57	
	Turbidity	7.26	NTU		01/14/21 11:57	
	Water Level(NGVD)	28.69	feet		01/14/21 11:57	
EPA 6010	Barium	53.4	ug/L	10.0	01/15/21 22:15	
EPA 6010	Chromium	1.9 I	ug/L	5.0	01/15/21 22:15	
EPA 6010	Iron	2240	ug/L	40.0	01/15/21 22:15	
EPA 6010	Sodium	43.6	mg/L	2.0	01/15/21 22:15	
EPA 6010	Vanadium	4.9 I	ug/L	10.0	01/15/21 22:15	
EPA 6020	Arsenic	2.9	ug/L	1.0	01/19/21 13:54	
SM 2540C	Total Dissolved Solids	605	mg/L	5.0	01/19/21 15:32	
EPA 300.0	Chloride	33.0	mg/L	10.0	01/24/21 19:49	
EPA 350.1	Nitrogen, Ammonia	0.19	mg/L	0.050	01/15/21 17:19	
EPA 353.2	Nitrogen, Nitrate	1.7	mg/L	0.050	01/15/21 09:22	
35604632005	**B33-1**					
	Field pH	6.17	Std. Units		01/14/21 12:52	
	Field Temperature	22.91	deg C		01/14/21 12:52	
	Appearance	Color: yellow, Sheen: none			01/14/21 12:52	
	Field Specific Conductance	770	umhos/cm		01/14/21 12:52	
	Oxygen, Dissolved	0.28	mg/L		01/14/21 12:52	
	REDOX	-13.9	mV		01/14/21 12:52	
	Turbidity	4.33	NTU		01/14/21 12:52	
	Water Level(NGVD)	27.98	feet		01/14/21 12:52	
EPA 6010	Barium	77.2	ug/L	10.0	01/15/21 22:18	
EPA 6010	Chromium	2.0 I	ug/L	5.0	01/15/21 22:18	
EPA 6010	Iron	15700	ug/L	40.0	01/15/21 22:18	
EPA 6010	Sodium	69.4	mg/L	2.0	01/15/21 22:18	
EPA 6010	Vanadium	4.6 I	ug/L	10.0	01/15/21 22:18	
SM 2540C	Total Dissolved Solids	713	mg/L	5.0	01/20/21 14:14	
EPA 300.0	Chloride	173	mg/L	10.0	01/24/21 20:55	
EPA 350.1	Nitrogen, Ammonia	0.31	mg/L	0.050	01/15/21 17:24	
35604632007	**M05-B Dup**					
	Field pH	6.24	Std. Units		01/14/21 10:27	
	Field Temperature	22.3	deg C		01/14/21 10:27	
	Appearance	Color: yellow, Sheen: none			01/14/21 10:27	

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35604632007	**M05-B Dup**					
	Field Specific Conductance	979	umhos/cm		01/14/21 10:27	
	Oxygen, Dissolved	0.54	mg/L		01/14/21 10:27	
	REDOX	4.1	mV		01/14/21 10:27	
	Turbidity	3.39	NTU		01/14/21 10:27	
	Water Level(NGVD)	21.32	feet		01/14/21 10:27	
EPA 6010	Barium	240	ug/L	10.0	01/15/21 22:27	
EPA 6010	Chromium	3.0	ug/L	5.0	01/15/21 22:27	I
EPA 6010	Cobalt	1.6	ug/L	10.0	01/15/21 22:27	I
EPA 6010	Iron	10600	ug/L	40.0	01/15/21 22:27	
EPA 6010	Sodium	105	mg/L	2.0	01/15/21 22:27	
EPA 6010	Vanadium	1.8	ug/L	10.0	01/15/21 22:27	I
EPA 6020	Arsenic	0.61	ug/L	1.0	01/19/21 14:02	I
SM 2540C	Total Dissolved Solids	936	mg/L	10.0	01/19/21 15:32	
EPA 300.0	Chloride	107	mg/L	25.0	01/24/21 21:17	
EPA 350.1	Nitrogen, Ammonia	6.4	mg/L	0.050	01/15/21 17:29	
EPA 353.2	Nitrogen, Nitrate	0.32	mg/L	0.050	01/15/21 08:56	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: EQ Blank 1/14/21 **Lab ID: 35604632001** Collected: 01/14/21 09:22 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0061 U**	ug/L	0.019	0.0061	1	01/15/21 13:22	01/16/21 06:40	96-12-8	
1,2-Dibromoethane (EDB)	**0.0072 U**	ug/L	0.0096	0.0072	1	01/15/21 13:22	01/16/21 06:40	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**1.7 I**	ug/L	10.0	0.84	1	01/15/21 06:25	01/15/21 22:05	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/15/21 06:25	01/15/21 22:05	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/15/21 06:25	01/15/21 22:05	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/15/21 06:25	01/15/21 22:05	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/15/21 06:25	01/15/21 22:05	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/15/21 06:25	01/15/21 22:05	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	01/15/21 06:25	01/15/21 22:05	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/15/21 06:25	01/15/21 22:05	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/15/21 06:25	01/15/21 22:05	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/15/21 06:25	01/15/21 22:05	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/15/21 06:25	01/15/21 22:05	7440-22-4	
Sodium	**0.54 U**	mg/L	2.0	0.54	1	01/15/21 06:25	01/15/21 22:05	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	01/15/21 06:25	01/15/21 22:05	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/15/21 06:25	01/15/21 22:05	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	01/15/21 06:25	01/19/21 13:48	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/15/21 06:25	01/19/21 13:48	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/15/21 06:25	01/19/21 13:48	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/21/21 07:45	01/26/21 12:43	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/18/21 04:26	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/18/21 04:26	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 04:26	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 04:26	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/18/21 04:26	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/18/21 04:26	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/18/21 04:26	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/18/21 04:26	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 04:26	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/18/21 04:26	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 04:26	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/18/21 04:26	75-00-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: EQ Blank 1/14/21 **Lab ID: 35604632001** Collected: 01/14/21 09:22 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 04:26	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/18/21 04:26	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/18/21 04:26	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/18/21 04:26	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/18/21 04:26	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/18/21 04:26	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/18/21 04:26	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/18/21 04:26	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 04:26	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 04:26	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 04:26	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 04:26	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 04:26	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/18/21 04:26	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 04:26	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 04:26	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/18/21 04:26	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/18/21 04:26	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/18/21 04:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/18/21 04:26	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/18/21 04:26	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 04:26	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 04:26	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/18/21 04:26	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/18/21 04:26	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 04:26	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 04:26	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/18/21 04:26	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 04:26	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/18/21 04:26	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 04:26	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/18/21 04:26	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/18/21 04:26	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/18/21 04:26	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		01/18/21 04:26	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/18/21 04:26	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**14.0**	mg/L	5.0	5.0	1		01/19/21 15:32		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		01/24/21 18:43	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: EQ Blank 1/14/21 **Lab ID: 35604632001** Collected: 01/14/21 09:22 Received: 01/14/21 15:40 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	**0.035 U**	mg/L	0.050	0.035	1		01/15/21 17:14	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		01/15/21 08:22	14797-55-8	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: M05-B **Lab ID: 35604632002** Collected: 01/14/21 10:27 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.74**	Std. Units			1		01/14/21 10:27		
Field Temperature	**22.3**	deg C			1		01/14/21 10:27		
Appearance	**Color: yellow, Sheen: none**				1		01/14/21 10:27		
Field Specific Conductance	**979**	umhos/cm			1		01/14/21 10:27		
Oxygen, Dissolved	**0.54**	mg/L			1		01/14/21 10:27	7782-44-7	
REDOX	**4.1**	mV			1		01/14/21 10:27		
Turbidity	**3.39**	NTU			1		01/14/21 10:27		
Water Level(NGVD)	**21.32**	feet			1		01/14/21 10:27		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0061 U**	ug/L	0.019	0.0061	1	01/15/21 13:22	01/16/21 06:55	96-12-8	
1,2-Dibromoethane (EDB)	**0.0071 U**	ug/L	0.0095	0.0071	1	01/15/21 13:22	01/16/21 06:55	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**232**	ug/L	10.0	0.84	1	01/15/21 06:25	01/15/21 22:08	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/15/21 06:25	01/15/21 22:08	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/15/21 06:25	01/15/21 22:08	7440-43-9	
Chromium	**3.0 I**	ug/L	5.0	1.7	1	01/15/21 06:25	01/15/21 22:08	7440-47-3	
Cobalt	**1.2 I**	ug/L	10.0	0.96	1	01/15/21 06:25	01/15/21 22:08	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/15/21 06:25	01/15/21 22:08	7440-50-8	
Iron	**9660**	ug/L	40.0	25.0	1	01/15/21 06:25	01/15/21 22:08	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/15/21 06:25	01/15/21 22:08	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/15/21 06:25	01/15/21 22:08	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/15/21 06:25	01/15/21 22:08	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/15/21 06:25	01/15/21 22:08	7440-22-4	
Sodium	**103**	mg/L	2.0	0.54	1	01/15/21 06:25	01/15/21 22:08	7440-23-5	
Vanadium	**1.5 I**	ug/L	10.0	1.0	1	01/15/21 06:25	01/15/21 22:08	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/15/21 06:25	01/15/21 22:08	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	01/15/21 06:25	01/19/21 13:50	7440-36-0	
Arsenic	**0.62 I**	ug/L	1.0	0.50	1	01/15/21 06:25	01/19/21 13:50	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/15/21 06:25	01/19/21 13:50	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/21/21 07:45	01/26/21 12:50	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: M05-B **Lab ID: 35604632002** Collected: 01/14/21 10:27 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/18/21 09:16	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/18/21 09:16	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 09:16	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 09:16	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/18/21 09:16	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/18/21 09:16	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/18/21 09:16	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/18/21 09:16	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 09:16	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/18/21 09:16	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 09:16	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/18/21 09:16	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 09:16	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/18/21 09:16	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/18/21 09:16	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/18/21 09:16	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/18/21 09:16	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/18/21 09:16	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/18/21 09:16	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/18/21 09:16	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 09:16	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 09:16	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 09:16	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 09:16	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 09:16	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/18/21 09:16	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 09:16	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 09:16	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/18/21 09:16	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/18/21 09:16	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/18/21 09:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/18/21 09:16	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/18/21 09:16	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 09:16	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 09:16	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/18/21 09:16	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/18/21 09:16	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 09:16	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 09:16	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/18/21 09:16	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 09:16	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/18/21 09:16	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 09:16	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/18/21 09:16	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/18/21 09:16	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: M05-B **Lab ID: 35604632002** Collected: 01/14/21 10:27 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/18/21 09:16	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/18/21 09:16	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		01/18/21 09:16	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**852**	mg/L	10.0	10.0	1		01/19/21 15:32		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**110**	mg/L	25.0	12.5	5		01/24/21 19:05	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**5.8**	mg/L	0.050	0.035	1		01/15/21 17:16	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.30**	mg/L	0.050	0.025	1		01/15/21 08:55	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: B39 **Lab ID: 35604632003** Collected: 01/14/21 11:16 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**4.89**	Std. Units			1		01/14/21 11:16		
Field Temperature	**20.83**	deg C			1		01/14/21 11:16		
Appearance	**Color: yellow, Sheen: none**				1		01/14/21 11:16		
Field Specific Conductance	**130**	umhos/cm			1		01/14/21 11:16		
Oxygen, Dissolved	**0.32**	mg/L			1		01/14/21 11:16	7782-44-7	
REDOX	**100.5**	mV			1		01/14/21 11:16		
Turbidity	**7.29**	NTU			1		01/14/21 11:16		
Water Level(NGVD)	**24.57**	feet			1		01/14/21 11:16		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	01/15/21 13:22	01/16/21 07:10	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	01/15/21 13:22	01/16/21 07:10	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**32.0**	ug/L	10.0	0.84	1	01/15/21 06:25	01/15/21 22:12	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/15/21 06:25	01/15/21 22:12	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/15/21 06:25	01/15/21 22:12	7440-43-9	
Chromium	**12.6**	ug/L	5.0	1.7	1	01/15/21 06:25	01/15/21 22:12	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/15/21 06:25	01/15/21 22:12	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/15/21 06:25	01/15/21 22:12	7440-50-8	
Iron	**13200**	ug/L	40.0	25.0	1	01/15/21 06:25	01/15/21 22:12	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/15/21 06:25	01/15/21 22:12	7439-92-1	
Nickel	**3.7 I**	ug/L	5.0	2.1	1	01/15/21 06:25	01/15/21 22:12	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/15/21 06:25	01/15/21 22:12	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/15/21 06:25	01/15/21 22:12	7440-22-4	
Sodium	**12.6**	mg/L	2.0	0.54	1	01/15/21 06:25	01/15/21 22:12	7440-23-5	
Vanadium	**48.3**	ug/L	10.0	1.0	1	01/15/21 06:25	01/15/21 22:12	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/15/21 06:25	01/15/21 22:12	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/15/21 06:25	01/19/21 13:52	7440-36-0	
Arsenic	**26.7**	ug/L	1.0	0.50	1	01/15/21 06:25	01/19/21 13:52	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/15/21 06:25	01/19/21 13:52	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/21/21 07:45	01/26/21 12:53	7439-97-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: B39 **Lab ID: 35604632003** Collected: 01/14/21 11:16 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/18/21 10:09	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/18/21 10:09	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 10:09	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 10:09	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/18/21 10:09	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/18/21 10:09	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/18/21 10:09	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/18/21 10:09	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 10:09	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/18/21 10:09	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 10:09	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/18/21 10:09	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 10:09	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/18/21 10:09	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/18/21 10:09	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/18/21 10:09	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/18/21 10:09	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/18/21 10:09	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/18/21 10:09	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/18/21 10:09	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 10:09	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 10:09	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 10:09	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 10:09	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 10:09	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/18/21 10:09	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 10:09	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 10:09	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/18/21 10:09	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/18/21 10:09	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/18/21 10:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/18/21 10:09	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/18/21 10:09	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 10:09	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 10:09	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/18/21 10:09	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/18/21 10:09	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 10:09	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 10:09	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/18/21 10:09	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 10:09	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/18/21 10:09	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 10:09	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/18/21 10:09	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/18/21 10:09	1330-20-7	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: B39 **Lab ID: 35604632003** Collected: 01/14/21 11:16 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/18/21 10:09	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		01/18/21 10:09	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		01/18/21 10:09	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**202**	mg/L	5.0	5.0	1		01/19/21 15:32		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**17.8**	mg/L	5.0	2.5	1		01/24/21 19:27	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		01/15/21 17:17	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		01/15/21 09:13	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: B33-2 **Lab ID: 35604632004** Collected: 01/14/21 11:57 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.60**	Std. Units			1		01/14/21 11:57		
Field Temperature	**19.73**	deg C			1		01/14/21 11:57		
Appearance	**Color: yellow, Sheen: none**				1		01/14/21 11:57		
Field Specific Conductance	**631**	umhos/cm			1		01/14/21 11:57		
Oxygen, Dissolved	**0.45**	mg/L			1		01/14/21 11:57	7782-44-7	
REDOX	**43.7**	mV			1		01/14/21 11:57		
Turbidity	**7.26**	NTU			1		01/14/21 11:57		
Water Level(NGVD)	**28.69**	feet			1		01/14/21 11:57		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0063 U**	ug/L	0.020	0.0063	1	01/15/21 13:22	01/16/21 07:25	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0098	0.0074	1	01/15/21 13:22	01/16/21 07:25	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**53.4**	ug/L	10.0	0.84	1	01/15/21 06:25	01/15/21 22:15	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/15/21 06:25	01/15/21 22:15	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/15/21 06:25	01/15/21 22:15	7440-43-9	
Chromium	**1.9 I**	ug/L	5.0	1.7	1	01/15/21 06:25	01/15/21 22:15	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/15/21 06:25	01/15/21 22:15	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/15/21 06:25	01/15/21 22:15	7440-50-8	
Iron	**2240**	ug/L	40.0	25.0	1	01/15/21 06:25	01/15/21 22:15	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/15/21 06:25	01/15/21 22:15	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/15/21 06:25	01/15/21 22:15	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/15/21 06:25	01/15/21 22:15	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/15/21 06:25	01/15/21 22:15	7440-22-4	
Sodium	**43.6**	mg/L	2.0	0.54	1	01/15/21 06:25	01/15/21 22:15	7440-23-5	
Vanadium	**4.9 I**	ug/L	10.0	1.0	1	01/15/21 06:25	01/15/21 22:15	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/15/21 06:25	01/15/21 22:15	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/15/21 06:25	01/19/21 13:54	7440-36-0	
Arsenic	**2.9**	ug/L	1.0	0.50	1	01/15/21 06:25	01/19/21 13:54	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/15/21 06:25	01/19/21 13:54	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/21/21 07:45	01/26/21 12:55	7439-97-6	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: B33-2 **Lab ID: 35604632004** Collected: 01/14/21 11:57 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/18/21 11:02	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/18/21 11:02	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 11:02	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 11:02	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/18/21 11:02	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/18/21 11:02	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/18/21 11:02	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/18/21 11:02	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 11:02	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/18/21 11:02	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 11:02	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/18/21 11:02	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 11:02	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/18/21 11:02	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/18/21 11:02	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/18/21 11:02	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/18/21 11:02	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/18/21 11:02	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/18/21 11:02	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/18/21 11:02	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 11:02	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 11:02	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 11:02	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 11:02	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 11:02	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/18/21 11:02	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 11:02	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 11:02	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/18/21 11:02	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/18/21 11:02	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/18/21 11:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/18/21 11:02	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/18/21 11:02	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 11:02	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 11:02	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/18/21 11:02	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/18/21 11:02	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 11:02	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 11:02	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/18/21 11:02	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 11:02	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/18/21 11:02	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 11:02	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/18/21 11:02	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/18/21 11:02	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: B33-2 **Lab ID: 35604632004** Collected: 01/14/21 11:57 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/18/21 11:02	460-00-4	
Toluene-d8 (S)	103	%	70-130		1		01/18/21 11:02	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/18/21 11:02	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**605**	mg/L	5.0	5.0	1		01/19/21 15:32		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**33.0**	mg/L	10.0	5.0	2		01/24/21 19:49	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		01/15/21 17:19	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**1.7**	mg/L	0.050	0.025	1		01/15/21 09:22	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: B33-1 **Lab ID: 35604632005** Collected: 01/14/21 12:52 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.17**	Std. Units			1		01/14/21 12:52		
Field Temperature	**22.91**	deg C			1		01/14/21 12:52		
Appearance	**Color: yellow, Sheen: none**				1		01/14/21 12:52		
Field Specific Conductance	**770**	umhos/cm			1		01/14/21 12:52		
Oxygen, Dissolved	**0.28**	mg/L			1		01/14/21 12:52	7782-44-7	
REDOX	**-13.9**	mV			1		01/14/21 12:52		
Turbidity	**4.33**	NTU			1		01/14/21 12:52		
Water Level(NGVD)	**27.98**	feet			1		01/14/21 12:52		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/15/21 13:22	01/16/21 07:40	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	01/15/21 13:22	01/16/21 07:40	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**77.2**	ug/L	10.0	0.84	1	01/15/21 06:25	01/15/21 22:18	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/15/21 06:25	01/15/21 22:18	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/15/21 06:25	01/15/21 22:18	7440-43-9	
Chromium	**2.0 I**	ug/L	5.0	1.7	1	01/15/21 06:25	01/15/21 22:18	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/15/21 06:25	01/15/21 22:18	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/15/21 06:25	01/15/21 22:18	7440-50-8	
Iron	**15700**	ug/L	40.0	25.0	1	01/15/21 06:25	01/15/21 22:18	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/15/21 06:25	01/15/21 22:18	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/15/21 06:25	01/15/21 22:18	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/15/21 06:25	01/15/21 22:18	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/15/21 06:25	01/15/21 22:18	7440-22-4	
Sodium	**69.4**	mg/L	2.0	0.54	1	01/15/21 06:25	01/15/21 22:18	7440-23-5	
Vanadium	**4.6 I**	ug/L	10.0	1.0	1	01/15/21 06:25	01/15/21 22:18	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/15/21 06:25	01/15/21 22:18	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/15/21 06:25	01/19/21 13:56	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/15/21 06:25	01/19/21 13:56	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/15/21 06:25	01/19/21 13:56	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/21/21 07:45	01/26/21 12:57	7439-97-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: B33-1 **Lab ID: 35604632005** Collected: 01/14/21 12:52 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/18/21 11:28	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/18/21 11:28	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 11:28	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 11:28	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/18/21 11:28	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/18/21 11:28	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/18/21 11:28	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/18/21 11:28	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 11:28	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/18/21 11:28	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 11:28	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/18/21 11:28	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 11:28	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/18/21 11:28	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/18/21 11:28	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/18/21 11:28	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/18/21 11:28	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/18/21 11:28	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/18/21 11:28	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/18/21 11:28	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 11:28	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 11:28	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 11:28	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 11:28	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 11:28	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/18/21 11:28	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 11:28	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 11:28	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/18/21 11:28	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/18/21 11:28	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/18/21 11:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/18/21 11:28	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/18/21 11:28	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 11:28	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 11:28	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/18/21 11:28	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/18/21 11:28	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 11:28	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 11:28	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/18/21 11:28	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 11:28	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/18/21 11:28	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 11:28	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/18/21 11:28	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/18/21 11:28	1330-20-7	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: B33-1 **Lab ID: 35604632005** Collected: 01/14/21 12:52 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/18/21 11:28	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/18/21 11:28	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		01/18/21 11:28	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**713**	mg/L	5.0	5.0	1		01/20/21 14:14		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**173**	mg/L	10.0	5.0	2		01/24/21 20:55	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.31**	mg/L	0.050	0.035	1		01/15/21 17:24	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		01/15/21 09:35	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: Trip Blank 1/14/21 **Lab ID: 35604632006** Collected: 01/14/21 00:00 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/18/21 04:52	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/18/21 04:52	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 04:52	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 04:52	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/18/21 04:52	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/18/21 04:52	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/18/21 04:52	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/18/21 04:52	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 04:52	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/18/21 04:52	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 04:52	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/18/21 04:52	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 04:52	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/18/21 04:52	74-87-3	
1,2-Dibromo-3-chloropropane	**1.9 U**	ug/L	5.0	1.9	1		01/18/21 04:52	96-12-8	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/18/21 04:52	124-48-1	
1,2-Dibromoethane (EDB)	**0.31 U**	ug/L	1.0	0.31	1		01/18/21 04:52	106-93-4	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/18/21 04:52	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/18/21 04:52	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/18/21 04:52	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/18/21 04:52	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/18/21 04:52	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 04:52	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 04:52	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 04:52	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 04:52	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 04:52	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/18/21 04:52	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 04:52	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 04:52	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/18/21 04:52	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/18/21 04:52	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/18/21 04:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/18/21 04:52	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/18/21 04:52	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 04:52	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 04:52	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/18/21 04:52	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/18/21 04:52	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 04:52	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 04:52	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/18/21 04:52	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 04:52	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/18/21 04:52	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 04:52	108-05-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: Trip Blank 1/14/21 **Lab ID: 35604632006** Collected: 01/14/21 00:00 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/18/21 04:52	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/18/21 04:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/18/21 04:52	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		01/18/21 04:52	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/18/21 04:52	2199-69-1	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: M05-B Dup **Lab ID: 35604632007** Collected: 01/14/21 10:27 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.24**	Std. Units			1		01/14/21 10:27		
Field Temperature	**22.3**	deg C			1		01/14/21 10:27		
Appearance	**Color: yellow, Sheen: none**				1		01/14/21 10:27		
Field Specific Conductance	**979**	umhos/cm			1		01/14/21 10:27		
Oxygen, Dissolved	**0.54**	mg/L			1		01/14/21 10:27	7782-44-7	
REDOX	**4.1**	mV			1		01/14/21 10:27		
Turbidity	**3.39**	NTU			1		01/14/21 10:27		
Water Level(NGVD)	**21.32**	feet			1		01/14/21 10:27		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0063 U**	ug/L	0.020	0.0063	1	01/15/21 13:22	01/16/21 07:55	96-12-8	
1,2-Dibromoethane (EDB)	**0.0073 U**	ug/L	0.0098	0.0073	1	01/15/21 13:22	01/16/21 07:55	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**240**	ug/L	10.0	0.84	1	01/15/21 06:25	01/15/21 22:27	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/15/21 06:25	01/15/21 22:27	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/15/21 06:25	01/15/21 22:27	7440-43-9	
Chromium	**3.0 I**	ug/L	5.0	1.7	1	01/15/21 06:25	01/15/21 22:27	7440-47-3	
Cobalt	**1.6 I**	ug/L	10.0	0.96	1	01/15/21 06:25	01/15/21 22:27	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/15/21 06:25	01/15/21 22:27	7440-50-8	
Iron	**10600**	ug/L	40.0	25.0	1	01/15/21 06:25	01/15/21 22:27	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/15/21 06:25	01/15/21 22:27	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/15/21 06:25	01/15/21 22:27	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/15/21 06:25	01/15/21 22:27	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/15/21 06:25	01/15/21 22:27	7440-22-4	
Sodium	**105**	mg/L	2.0	0.54	1	01/15/21 06:25	01/15/21 22:27	7440-23-5	
Vanadium	**1.8 I**	ug/L	10.0	1.0	1	01/15/21 06:25	01/15/21 22:27	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/15/21 06:25	01/15/21 22:27	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/15/21 06:25	01/19/21 14:02	7440-36-0	
Arsenic	**0.61 I**	ug/L	1.0	0.50	1	01/15/21 06:25	01/19/21 14:02	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/15/21 06:25	01/19/21 14:02	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/21/21 07:45	01/26/21 13:00	7439-97-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: M05-B Dup **Lab ID: 35604632007** Collected: 01/14/21 10:27 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/18/21 11:55	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/18/21 11:55	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 11:55	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 11:55	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/18/21 11:55	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/18/21 11:55	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/18/21 11:55	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/18/21 11:55	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 11:55	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/18/21 11:55	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 11:55	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/18/21 11:55	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 11:55	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/18/21 11:55	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/18/21 11:55	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/18/21 11:55	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/18/21 11:55	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/18/21 11:55	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/18/21 11:55	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/18/21 11:55	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 11:55	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 11:55	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 11:55	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 11:55	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 11:55	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/18/21 11:55	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 11:55	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 11:55	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/18/21 11:55	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/18/21 11:55	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/18/21 11:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/18/21 11:55	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/18/21 11:55	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 11:55	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 11:55	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/18/21 11:55	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/18/21 11:55	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 11:55	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 11:55	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/18/21 11:55	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 11:55	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/18/21 11:55	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 11:55	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/18/21 11:55	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/18/21 11:55	1330-20-7	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Sample: M05-B Dup **Lab ID: 35604632007** Collected: 01/14/21 10:27 Received: 01/14/21 15:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/18/21 11:55	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		01/18/21 11:55	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/18/21 11:55	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**936**	mg/L	10.0	10.0	1		01/19/21 15:32		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**107**	mg/L	25.0	12.5	5		01/24/21 21:17	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**6.4**	mg/L	0.050	0.035	1		01/15/21 17:29	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.32**	mg/L	0.050	0.025	1		01/15/21 08:56	14797-55-8	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

QC Batch: 698391
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35604632001, 35604632002, 35604632003, 35604632004, 35604632005, 35604632007

METHOD BLANK: 3802456 Matrix: Water
Associated Lab Samples: 35604632001, 35604632002, 35604632003, 35604632004, 35604632005, 35604632007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	01/26/21 12:09	

LABORATORY CONTROL SAMPLE: 3802457

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3802458 3802459

Parameter	Units	35604378001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	2.0	2.0	99	98	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

QC Batch: 696873
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35604632001, 35604632002, 35604632003, 35604632004, 35604632005, 35604632007

METHOD BLANK: 3794121 Matrix: Water
Associated Lab Samples: 35604632001, 35604632002, 35604632003, 35604632004, 35604632005, 35604632007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	01/15/21 21:11	
Beryllium	ug/L	0.17 U	4.0	0.17	01/15/21 21:11	
Cadmium	ug/L	0.33 U	1.0	0.33	01/15/21 21:11	
Chromium	ug/L	1.7 U	5.0	1.7	01/15/21 21:11	
Cobalt	ug/L	0.96 U	10.0	0.96	01/15/21 21:11	
Copper	ug/L	2.6 U	5.0	2.6	01/15/21 21:11	
Iron	ug/L	25.0 U	40.0	25.0	01/15/21 21:11	
Lead	ug/L	4.6 U	10.0	4.6	01/15/21 21:11	
Nickel	ug/L	2.1 U	5.0	2.1	01/15/21 21:11	
Selenium	ug/L	8.5 U	15.0	8.5	01/15/21 21:11	
Silver	ug/L	1.0 U	5.0	1.0	01/15/21 21:11	
Sodium	mg/L	0.54 U	2.0	0.54	01/15/21 21:11	
Vanadium	ug/L	1.0 U	10.0	1.0	01/15/21 21:11	
Zinc	ug/L	11.0 U	20.0	11.0	01/15/21 21:11	

LABORATORY CONTROL SAMPLE: 3794122

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	245	98	80-120	
Beryllium	ug/L	25	23.8	95	80-120	
Cadmium	ug/L	25	24.3	97	80-120	
Chromium	ug/L	250	243	97	80-120	
Cobalt	ug/L	250	245	98	80-120	
Copper	ug/L	250	234	94	80-120	
Iron	ug/L	2500	2450	98	80-120	
Lead	ug/L	250	244	98	80-120	
Nickel	ug/L	250	245	98	80-120	
Selenium	ug/L	250	237	95	80-120	
Silver	ug/L	25	23.4	93	80-120	
Sodium	mg/L	12.5	11.7	94	80-120	
Vanadium	ug/L	250	240	96	80-120	
Zinc	ug/L	1250	1210	97	80-120	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3794123 3794124

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	92.0	250	250	344	345	101	101	75-125	0	20	
Beryllium	ug/L	0.17 U	25	25	22.9	23.2	91	92	75-125	1	20	
Cadmium	ug/L	0.33 U	25	25	23.6	23.5	94	94	75-125	0	20	
Chromium	ug/L	1.7 U	250	250	245	247	97	98	75-125	1	20	
Cobalt	ug/L	0.96 U	250	250	247	248	98	99	75-125	1	20	
Copper	ug/L	2.6 U	250	250	250	253	100	101	75-125	1	20	
Iron	ug/L	28600	2500	2500	30800	30700	88	83	75-125	0	20	
Lead	ug/L	4.6 U	250	250	235	236	94	94	75-125	0	20	
Nickel	ug/L	2.1 U	250	250	246	247	98	99	75-125	1	20	
Selenium	ug/L	8.5 U	250	250	151	137	60	54	75-125	10	20	J(M1)
Silver	ug/L	1.0 U	25	25	24.8	25.1	99	100	75-125	1	20	
Sodium	mg/L	233000 ug/L	12.5	12.5	245	243	94	81	75-125	1	20	L
Vanadium	ug/L	7.3 I	250	250	255	257	99	100	75-125	1	20	
Zinc	ug/L	11.0 U	1250	1250	1160	1170	92	93	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

QC Batch: 696872
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35604632001, 35604632002, 35604632003, 35604632004, 35604632005, 35604632007

METHOD BLANK: 3794117 Matrix: Water
Associated Lab Samples: 35604632001, 35604632002, 35604632003, 35604632004, 35604632005, 35604632007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	01/19/21 13:16	
Arsenic	ug/L	0.50 U	1.0	0.50	01/19/21 13:16	
Thallium	ug/L	0.11 U	1.0	0.11	01/19/21 13:16	

LABORATORY CONTROL SAMPLE: 3794118

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	51.7	103	80-120	
Arsenic	ug/L	50	50.1	100	80-120	
Thallium	ug/L	50	50.2	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3794119 3794120

Parameter	Units	35604746002 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	52.2	51.9	104	103	75-125	1	20	
Arsenic	ug/L	1.5	50	50	53.7	52.5	104	102	75-125	2	20	
Thallium	ug/L	0.11 U	50	50	49.0	48.0	98	96	75-125	2	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

QC Batch: 697388 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35604632001, 35604632002, 35604632003, 35604632004, 35604632005, 35604632006, 35604632007

METHOD BLANK: 3797080 Matrix: Water
Associated Lab Samples: 35604632001, 35604632002, 35604632003, 35604632004, 35604632005, 35604632006, 35604632007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/18/21 02:40	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/18/21 02:40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/18/21 02:40	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/18/21 02:40	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/18/21 02:40	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/18/21 02:40	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/18/21 02:40	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	5.0	1.9	01/18/21 02:40	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	1.0	0.31	01/18/21 02:40	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/18/21 02:40	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	01/18/21 02:40	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/18/21 02:40	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/18/21 02:40	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	01/18/21 02:40	
2-Hexanone	ug/L	3.2 U	25.0	3.2	01/18/21 02:40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/18/21 02:40	
Acetone	ug/L	5.3 U	25.0	5.3	01/18/21 02:40	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/18/21 02:40	
Benzene	ug/L	0.30 U	1.0	0.30	01/18/21 02:40	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/18/21 02:40	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/18/21 02:40	
Bromoform	ug/L	0.48 U	3.0	0.48	01/18/21 02:40	
Bromomethane	ug/L	8.1 U	10.0	8.1	01/18/21 02:40	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/18/21 02:40	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/18/21 02:40	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/18/21 02:40	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/18/21 02:40	
Chloroform	ug/L	0.32 U	1.0	0.32	01/18/21 02:40	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/18/21 02:40	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/18/21 02:40	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/18/21 02:40	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/18/21 02:40	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/18/21 02:40	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/18/21 02:40	
Iodomethane	ug/L	9.3 U	10.0	9.3	01/18/21 02:40	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	01/18/21 02:40	
Styrene	ug/L	0.26 U	1.0	0.26	01/18/21 02:40	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/18/21 02:40	
Toluene	ug/L	0.33 U	1.0	0.33	01/18/21 02:40	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/18/21 02:40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

METHOD BLANK: 3797080 Matrix: Water
Associated Lab Samples: 35604632001, 35604632002, 35604632003, 35604632004, 35604632005, 35604632006, 35604632007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/18/21 02:40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/18/21 02:40	J(v2)
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/18/21 02:40	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	01/18/21 02:40	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/18/21 02:40	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/18/21 02:40	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/18/21 02:40	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130		01/18/21 02:40	
4-Bromofluorobenzene (S)	%	100	70-130		01/18/21 02:40	
Toluene-d8 (S)	%	103	70-130		01/18/21 02:40	

LABORATORY CONTROL SAMPLE: 3797081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.0	100	70-130	
1,1,1-Trichloroethane	ug/L	20	20.5	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.3	101	68-125	
1,1,2-Trichloroethane	ug/L	20	20.6	103	70-130	
1,1-Dichloroethane	ug/L	20	20.4	102	70-130	
1,1-Dichloroethene	ug/L	20	20.7	103	66-133	
1,2,3-Trichloropropane	ug/L	20	20.0	100	62-127	
1,2-Dibromo-3-chloropropane	ug/L	20	18.3	91	45-137	
1,2-Dibromoethane (EDB)	ug/L	20	20.7	103	70-130	
1,2-Dichlorobenzene	ug/L	20	19.4	97	70-130	
1,2-Dichloroethane	ug/L	20	22.2	111	70-130	
1,2-Dichloropropane	ug/L	20	20.6	103	70-130	
1,4-Dichlorobenzene	ug/L	20	19.4	97	70-130	
2-Butanone (MEK)	ug/L	100	103	103	47-143	
2-Hexanone	ug/L	100	92.8	93	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	88.9	89	57-132	
Acetone	ug/L	100	102	102	46-148	
Acrylonitrile	ug/L	100	105	105	60-143	
Benzene	ug/L	20	20.5	103	70-130	
Bromochloromethane	ug/L	20	20.7	103	70-130	
Bromodichloromethane	ug/L	20	21.0	105	70-130	
Bromoform	ug/L	20	16.5	82	49-126	
Bromomethane	ug/L	20	8.1 U	20	10-165	J(v3)
Carbon disulfide	ug/L	20	19.5	98	60-141	
Carbon tetrachloride	ug/L	20	20.0	100	63-126	
Chlorobenzene	ug/L	20	19.7	98	70-130	
Chloroethane	ug/L	20	20.2	101	71-142	
Chloroform	ug/L	20	20.6	103	70-130	
Chloromethane	ug/L	20	16.4	82	40-140	
cis-1,2-Dichloroethene	ug/L	20	20.2	101	70-130	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

LABORATORY CONTROL SAMPLE: 3797081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	20	20.0	100	70-130	
Dibromochloromethane	ug/L	20	19.8	99	62-118	
Dibromomethane	ug/L	20	21.8	109	70-130	
Ethylbenzene	ug/L	20	19.0	95	70-130	
Iodomethane	ug/L	20	9.3 U	28	10-164	J(v3)
Methylene Chloride	ug/L	20	20.2	101	65-136	
Styrene	ug/L	20	20.4	102	70-130	
Tetrachloroethene	ug/L	20	21.5	108	64-134	
Toluene	ug/L	20	19.0	95	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.1	96	68-127	
trans-1,3-Dichloropropene	ug/L	20	17.8	89	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	15.1	75	42-129	J(v3)
Trichloroethene	ug/L	20	21.0	105	70-130	
Trichlorofluoromethane	ug/L	20	21.7	109	65-135	
Vinyl acetate	ug/L	20	21.6	108	60-144	
Vinyl chloride	ug/L	20	18.2	91	68-131	
Xylene (Total)	ug/L	60	58.8	98	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 3797083

Parameter	Units	35604632002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	20.0	100	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	22.6	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	18.6	93	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	20.0	100	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	20.9	105	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	22.2	111	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	19.8	99	62-127	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	20	16.7	83	45-137	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	20	19.4	97	70-130	
1,2-Dichlorobenzene	ug/L	0.60 U	20	18.0	90	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	21.7	109	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	19.8	99	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	17.8	89	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	86.8	87	47-143	
2-Hexanone	ug/L	3.2 U	100	89.7	90	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	86.1	86	57-132	
Acetone	ug/L	5.3 U	100	100	100	46-148	
Acrylonitrile	ug/L	3.7 U	100	102	102	60-143	
Benzene	ug/L	0.30 U	20	20.8	104	70-130	
Bromochloromethane	ug/L	0.37 U	20	20.2	101	70-130	
Bromodichloromethane	ug/L	0.19 U	20	20.7	104	70-130	

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

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

MATRIX SPIKE SAMPLE: 3797083

Parameter	Units	35604632002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	0.48 U	20	16.0	80	49-126	
Bromomethane	ug/L	8.1 U	20	8.1 U	23	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	20.4	102	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	23.3	117	63-126	
Chlorobenzene	ug/L	0.35 U	20	19.7	98	70-130	
Chloroethane	ug/L	3.7 U	20	23.6	118	71-142	
Chloroform	ug/L	0.32 U	20	21.0	105	70-130	
Chloromethane	ug/L	0.43 U	20	17.5	88	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	20.1	101	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	16.5	82	70-130	
Dibromochloromethane	ug/L	0.45 U	20	19.2	96	62-118	
Dibromomethane	ug/L	0.68 U	20	20.1	100	70-130	
Ethylbenzene	ug/L	0.30 U	20	19.2	96	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	36	10-164	J(v3)
Methylene Chloride	ug/L	4.4 U	20	20.5	102	65-136	
Styrene	ug/L	0.26 U	20	19.2	96	70-130	
Tetrachloroethene	ug/L	0.38 U	20	20.0	100	64-134	
Toluene	ug/L	0.33 U	20	19.0	95	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	18.7	94	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	16.4	82	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	12.4	62	42-129	J(v3)
Trichloroethene	ug/L	0.36 U	20	21.0	105	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	26.4	132	65-135	
Vinyl acetate	ug/L	1.8 U	20	15.1	76	60-144	
Vinyl chloride	ug/L	0.39 U	20	19.8	99	68-131	
Xylene (Total)	ug/L	2.1 U	60	58.6	98	70-130	
1,2-Dichlorobenzene-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				105	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 3797084

Parameter	Units	35604630001 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-Dibromo-3-chloropropane	ug/L	1.9 U	1.9 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	0.31 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

SAMPLE DUPLICATE: 3797084

Parameter	Units	35604630001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	
Benzene	ug/L	2.6	2.7	4	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	8.1 U	8.1 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	6.2	6.6	6	40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	
cis-1,2-Dichloroethene	ug/L	3.9	4.5	14	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	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 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	0.35 U	0.35 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	46.4	53.3	14	40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	102	101			
4-Bromofluorobenzene (S)	%	100	100		40	
Toluene-d8 (S)	%	100	105		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

QC Batch: 696922
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35604632001, 35604632002, 35604632003, 35604632004, 35604632005, 35604632007

METHOD BLANK: 3794233 Matrix: Water
Associated Lab Samples: 35604632001, 35604632002, 35604632003, 35604632004, 35604632005, 35604632007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	01/16/21 02:55	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	01/16/21 02:55	

LABORATORY CONTROL SAMPLE: 3794234

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.23	93	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.23	93	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3794235 3794236

Parameter	Units	35604616001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0066 U	0.44	0.44	0.65	0.61	148	140	60-140	6	40	J(M1)
1,2-Dibromoethane (EDB)	ug/L	0.0077 U	0.44	0.44	0.57	0.56	131	127	60-140	2	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

QC Batch: 697836 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35604632001, 35604632002, 35604632003, 35604632004, 35604632007

METHOD BLANK: 3798802 Matrix: Water
Associated Lab Samples: 35604632001, 35604632002, 35604632003, 35604632004, 35604632007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	01/19/21 15:30	

LABORATORY CONTROL SAMPLE: 3798803

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	314	105	90-110	

SAMPLE DUPLICATE: 3798804

Parameter	Units	35605069002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	228	229	0	10	

SAMPLE DUPLICATE: 3798805

Parameter	Units	35604632002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	852	856	0	10	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

QC Batch: 698104
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35604632005

METHOD BLANK: 3800129 Matrix: Water
Associated Lab Samples: 35604632005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	01/20/21 14:14	

LABORATORY CONTROL SAMPLE: 3800130

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	294	98	90-110	

SAMPLE DUPLICATE: 3800131

Parameter	Units	35604632005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	713	718	1	10	

SAMPLE DUPLICATE: 3800132

Parameter	Units	35604508001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	40.0	39.0	3	10	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

QC Batch: 699153 | 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: 35604632001, 35604632002, 35604632003, 35604632004, 35604632005, 35604632007

METHOD BLANK: 3807807 Matrix: Water
Associated Lab Samples: 35604632001, 35604632002, 35604632003, 35604632004, 35604632005, 35604632007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	01/24/21 15:02	

LABORATORY CONTROL SAMPLE: 3807808

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.1	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3807809 3807810

Parameter	Units	35604504005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	7.4	50	50	59.0	60.5	103	106	90-110	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3807811 3807812

Parameter	Units	35605592001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	17.2	50	50	73.3	73.7	112	113	90-110	1	20	J(M1)

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

QC Batch: 697060
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: 35604632001, 35604632002, 35604632003, 35604632004, 35604632005, 35604632007

METHOD BLANK: 3795213 Matrix: Water
Associated Lab Samples: 35604632001, 35604632002, 35604632003, 35604632004, 35604632005, 35604632007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	01/15/21 16:54	

LABORATORY CONTROL SAMPLE: 3795214

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: 3795217 3795218

Parameter	Units	35604632005 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	0.31	1	1	1.4	1.4	106	106	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3795667 3795666

Parameter	Units	35604586001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.035 U	1	1	1.1	1.0	106	105	90-110	2	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

QC Batch: 696861
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: 35604632001

METHOD BLANK: 3794079 Matrix: Water
Associated Lab Samples: 35604632001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/15/21 08:05	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

QC Batch: 696862
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: 35604632002, 35604632003, 35604632004, 35604632007

METHOD BLANK: 3794085 Matrix: Water
Associated Lab Samples: 35604632002, 35604632003, 35604632004, 35604632007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/15/21 08:47	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

QC Batch: 696863
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: 35604632005

METHOD BLANK: 3794091 Matrix: Water
Associated Lab Samples: 35604632005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/15/21 09:26	

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(386)672-5668

QUALIFIERS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35604632002	**M05-B**				
35604632003	**B39**				
35604632004	**B33-2**				
35604632005	**B33-1**				
35604632007	**M05-B Dup**				
35604632001	**EQ Blank 1/14/21**	EPA 8011	696922	EPA 8011	697166
35604632002	**M05-B**	EPA 8011	696922	EPA 8011	697166
35604632003	**B39**	EPA 8011	696922	EPA 8011	697166
35604632004	**B33-2**	EPA 8011	696922	EPA 8011	697166
35604632005	**B33-1**	EPA 8011	696922	EPA 8011	697166
35604632007	**M05-B Dup**	EPA 8011	696922	EPA 8011	697166
35604632001	**EQ Blank 1/14/21**	EPA 3010	696873	EPA 6010	696960
35604632002	**M05-B**	EPA 3010	696873	EPA 6010	696960
35604632003	**B39**	EPA 3010	696873	EPA 6010	696960
35604632004	**B33-2**	EPA 3010	696873	EPA 6010	696960
35604632005	**B33-1**	EPA 3010	696873	EPA 6010	696960
35604632007	**M05-B Dup**	EPA 3010	696873	EPA 6010	696960
35604632001	**EQ Blank 1/14/21**	EPA 3010	696872	EPA 6020	696963
35604632002	**M05-B**	EPA 3010	696872	EPA 6020	696963
35604632003	**B39**	EPA 3010	696872	EPA 6020	696963
35604632004	**B33-2**	EPA 3010	696872	EPA 6020	696963
35604632005	**B33-1**	EPA 3010	696872	EPA 6020	696963
35604632007	**M05-B Dup**	EPA 3010	696872	EPA 6020	696963
35604632001	**EQ Blank 1/14/21**	EPA 7470	698391	EPA 7470	698579
35604632002	**M05-B**	EPA 7470	698391	EPA 7470	698579
35604632003	**B39**	EPA 7470	698391	EPA 7470	698579
35604632004	**B33-2**	EPA 7470	698391	EPA 7470	698579
35604632005	**B33-1**	EPA 7470	698391	EPA 7470	698579
35604632007	**M05-B Dup**	EPA 7470	698391	EPA 7470	698579
35604632001	**EQ Blank 1/14/21**	EPA 8260	697388		
35604632002	**M05-B**	EPA 8260	697388		
35604632003	**B39**	EPA 8260	697388		
35604632004	**B33-2**	EPA 8260	697388		
35604632005	**B33-1**	EPA 8260	697388		
35604632006	**Trip Blank 1/14/21**	EPA 8260	697388		
35604632007	**M05-B Dup**	EPA 8260	697388		
35604632001	**EQ Blank 1/14/21**	SM 2540C	697836		
35604632002	**M05-B**	SM 2540C	697836		
35604632003	**B39**	SM 2540C	697836		
35604632004	**B33-2**	SM 2540C	697836		
35604632005	**B33-1**	SM 2540C	698104		
35604632007	**M05-B Dup**	SM 2540C	697836		
35604632001	**EQ Blank 1/14/21**	EPA 300.0	699153		
35604632002	**M05-B**	EPA 300.0	699153		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35604632

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35604632003	**B39**	EPA 300.0	699153		
35604632004	**B33-2**	EPA 300.0	699153		
35604632005	**B33-1**	EPA 300.0	699153		
35604632007	**M05-B Dup**	EPA 300.0	699153		
35604632001	**EQ Blank 1/14/21**	EPA 350.1	697060		
35604632002	**M05-B**	EPA 350.1	697060		
35604632003	**B39**	EPA 350.1	697060		
35604632004	**B33-2**	EPA 350.1	697060		
35604632005	**B33-1**	EPA 350.1	697060		
35604632007	**M05-B Dup**	EPA 350.1	697060		
35604632001	**EQ Blank 1/14/21**	EPA 353.2	696861		
35604632002	**M05-B**	EPA 353.2	696862		
35604632003	**B39**	EPA 353.2	696862		
35604632004	**B33-2**	EPA 353.2	696862		
35604632005	**B33-1**	EPA 353.2	696863		
35604632007	**M05-B Dup**	EPA 353.2	696862		

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WO# : 35604632

35604632

Request Document

relevant fields must be completed accurately.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:			
Company:	Volusia County Solid Waste Management	Report To:	Jennifer Stirk	Company Name:	
Address:	1990 Tomoka Farms Road	Copy To:		Address:	Regulatory Agency
Port Orange, FL 32128				Pace Quote:	
Email:	jstirk@volusia.org	Purchase Order #:		Pace Project Manager:	jeff.baylor@pacelabs.com, State / Location
Phone:	386-527-6336 Fax:	Project Name:	Tomoka LF Semi-annual MWs	Pace Profile #:	1590, Line 1
Requested Due Date:		Project #:			

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analyses Test: TDS, NO3, CL	ammonia	Metals by 6010/6020/Hg	EDB 8011	8260 VOCs Full List	Residual Chlorine (Y/N)
1	EQ					1-14-21	9:22												X	X	X	X	X	
2	MOS-B						10:27																	
3	B39						11:16																	
4	B33-2						11:59																	
5	B33-1						12:52																	
6	TRIP BLANK						0000																X	
7	DUP						10:27												X	X	X	X	X	
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP In C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Empty Bottles	Pace Bottle Prep	11/8/20	1206							
	Bruce Foster	1-14-21	1540	[illegible] PACE	1/14/21	1540	4-7	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Bruce Foster

SIGNATURE of SAMPLER: [signature]

DATE Signed: 1-14-21

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

WO# : 35604632

PM: JSB **Due Date: 01/28/21**

CLIENT: VOLDPW

orm (SCUR)

Proje

Project Manag

Clie

Date and Initials of person:

Examining contents: _____

Label: _____

Deliver: _____

pH: _____

Thermometer Used: T-337 Date: 1/14/21 Time: 1548 Initials: KMF

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

Cooler #1 Temp.°C	4.7 **(Visual)**	0.0 **(Correction Factor)**	4.7 **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other_____

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

☐ Other_____

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

Tracking # _____

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

Packing Material: ☐Bubble Wrap ☑Bubble Bags ☐None ☐Other_____

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

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: _____

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

1.5 1.7 1-11 1.15

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Sem I	
WELL NO: EQ	SAMPLE ID: EQ	DATE: 1-14-21

PURGING DATA

WELL DIAMETER (inches):	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)

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

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

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

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

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

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brice Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 9:22	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	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)
	1	PC	1000	ICE			TDS NO3 Cl	APP	200-400
	1	1	250	H2SO4			6010 6020 TIC	|	|
	1		1	H2SO4			NH3	|	|
	2	CG	40	ICE			8011	|	|
	3	1	1	HCl			624.1	|	|

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: Volusia County Solid Waste	SITE LOCATION: Tangerine LF SEMC	
WELL NO: MO5-B	SAMPLE ID: MO5-B / Duplicate	DATE: 1-14-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 8.68	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (35.83 feet – 8.68 feet) X 0.16 gallons/foot = 4.344 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: 9:45	PURGING ENDED AT: 10:27	TOTAL VOLUME PURGED (gallons): 6.72

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)
10:13	4.48	4.48	0.16	8.99	6.30	22.1	965	0.73	12.7	yellow	sulfur
10:20	1.12	5.60	0.16	8.99	6.28	22.2	968	0.54	6.30	"	"
10:27	1.12	6.72	0.16	8.99	6.24	22.3	979	0.54	3.39	"	"

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: Bruce Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:27	SAMPLING ENDED AT: 10:38
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)
	1	PB	1000	ICE			TDS NO3 Cl	AM	200
	1	1	250	HNO3			6010 6020 Hg		
	1	1	1	H2SO4			NH3		
	2	CG	40	ICE			8011		
	3	1	1	HCl			624		

REMARKS:
ORP 16.2 11.1 4.1

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste	SITE LOCATION: Tomoka Inf Stmi	
WELL NO: B 39	SAMPLE ID: B 39	DATE: 1-14-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.59	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (17.50 feet – 4.59 feet) X 0.16 gallons/foot = 2.0656 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7	PURGING INITIATED AT: 1055	PURGING ENDED AT: 1116	TOTAL VOLUME PURGED (gallons): 3.36

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)
1108	2.08	2.08	0.16	5.97	4.91	20.72	130	0.38	8.74	Yellow	Sulfur
1112	0.64	2.72	0.16	5.97	4.91	20.76	131	0.34	7.51	1	1
1116	0.64	3.36	0.16	5.97	4.89	20.83	130	0.32	7.29	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: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1116	SAMPLING ENDED AT: 1120
PUMP OR TUBING DEPTH IN WELL (feet): 7	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)
	1	PE	1000	ICE		4.89	TDS, D03, cl	APP	400
	1	1	250	HNO3		<2	6010 6020 Hg	1	1
	1	1	1	H2SO4		<2	NH3		
	2	CG	40	ICE		4.89	8260 8011		
	3	1	1	HCl		<2	8260 Fullist		

REMARKS: ORP 100.1 ORP 100.9 ORP 100.5

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:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Semi-Annual MW
WELL NO:	B 33-2	SAMPLE ID:	B-33-2
DATE:	1-14-21		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.50	PURGE PUMP TYPE OR BAILER:	PP

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

= (17.50 feet – 4.50 feet) X 0.16 gallons/foot = 2.08 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	9	PURGING INITIATED AT:	1143	PURGING ENDED AT:	1159	TOTAL VOLUME PURGED (gallons):	3.62

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)
1153	2.2	2.2	0.22	8.02	6.56	19.68	6.36	0.58	11.1	Yellow	sulfur
1156	0.66	2.86	0.22	8.02	6.59	19.71	6.31	0.42	7.04		
1159	0.66	3.62	0.22	8.02	6.60	19.73	6.31	0.45	7.26	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:	DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	1159	SAMPLING ENDED AT:	1205
PUMP OR TUBING DEPTH IN WELL (feet):	9	TUBING MATERIAL CODE:	HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION:	PUMP Y (N)	TUBING Y (N) (replaced)		DUPLICATE: Y (N)			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
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)
	1	PE	1000	ICE		6.60	TDS, NO3, Cl	APP	200
	1	|	250	HNO_3		<2	6010 6020 Hg	|	|
	1	|	1	H_2SO_4		<2	NH3	|	|
	2	CG	40	ICE		6.60	TOC 8011	|	|
	3	1	1	HCL		<2	8260 Full List	|	|

REMARKS: ORP 82.2 ORP 48.3 ORP 43.7

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:	Volusia County - Solid Waste	SITE LOCATION:	Tomoka LF Semi Annual MW		
WELL NO:	B 33-1	SAMPLE ID:	B 33-1	DATE:	1-14-21

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		6.97	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (39.55 feet − 6.97 feet) X 0.16 gallons/foot = 5.2128 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):
8	8	1216	1252	7.92

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)
1240	5.28	5.28	0.22	7.75	6.17	22.85	778	0.30	6.21	Yellow	SULFUR
1246	1.32	6.60	0.22	7.75	6.17	22.99	776	0.28	4.36	1	1
1252	1.32	7.92	0.22	7.75	6.17	22.91	770	0.28	4.33	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:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
DAVID ICE / PACE		1252	1256

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
8	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)
	1	PE	1000	ICE		6.17	TDS, NO3, Cl	APP	400
	1	1	250	H_2SO_4		<2	6010 6020 Hg	/	/
	1	1	1	H_2SO_4		<2	NH_3	/	/
	2	CG	40	ICE		6.17	EPA 8011	/	/
	3	1	1	HCl		<2	8260 FULL LIST	/	/

REMARKS: ORP = 10.2 ORP = 11.9 ORP = 13.9

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

January 28, 2021

Ms. Jennifer Stirk
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Port Orange, FL 32128

RE: Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Dear Ms. Stirk:

Enclosed are the analytical results for sample(s) received by the laboratory on January 15, 2021. 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,

Jeff Baylor

Jeff Baylor
jeff.baylor@pacelabs.com
(386)672-5668
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.

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

CERTIFICATIONS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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8 East Tower Circle
Ormond Beach, FL 32174
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SAMPLE SUMMARY

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35605046001	**EQ Blank 1/15/21**	Water	01/15/21 11:15	01/15/21 15:30
35605046002	**B85**	Water	01/15/21 11:40	01/15/21 15:30
35605046003	**B85-6**	Water	01/15/21 12:18	01/15/21 15:30
35605046004	**B87-6**	Water	01/15/21 13:08	01/15/21 15:30
35605046005	**FA-2C**	Water	01/15/21 13:50	01/15/21 15:30
35605046006	**F-MB**	Water	01/15/21 14:32	01/15/21 15:30
35605046007	**B64**	Water	01/15/21 13:31	01/15/21 15:30
35605046008	**TRIP BLANK 1/15/21**	Water	01/15/21 00:00	01/15/21 15:30

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

SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35605046001	**EQ Blank 1/15/21**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	EDC	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35605046002	**B85**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	EDC	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35605046003	**B85-6**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	EDC	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35605046004	**B87-6**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35605046005	**FA-2C**	EPA 8011	TSW	2	PASI-O

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

SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	CS2	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35605046006	**F-MB**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35605046007	**B64**	EPA 8011	TSW	2	PASI-O
		EPA 6010	CS2	14	PASI-O
		EPA 6020	LEC	3	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8260	AST	48	PASI-O
		SM 2540C	BCM	1	PASI-O
		EPA 300.0	YMP	1	PASI-O
		EPA 350.1	RRB	1	PASI-O
		EPA 353.2	TM3	1	PASI-O
35605046008	**TRIP BLANK 1/15/21**	EPA 8260	AST	50	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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

SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35605046001	**EQ Blank 1/15/21**					
EPA 6010	Barium	2.8 I	ug/L	10.0	01/19/21 10:38	
35605046002	**B85**					
	Field pH	6.50	Std. Units		01/15/21 11:40	
	Field Temperature	22.7	deg C		01/15/21 11:40	
	Appearance	Color: yellow, Sheen: none			01/15/21 11:40	
	Field Specific Conductance	1741	umhos/cm		01/15/21 11:40	
	Oxygen, Dissolved	0.53	mg/L		01/15/21 11:40	
	REDOX	-45.4	mV		01/15/21 11:40	
	Turbidity	12.7	NTU		01/15/21 11:40	
	Water Level(NGVD)	21.27	feet		01/15/21 11:40	
EPA 6010	Barium	50.3	ug/L	10.0	01/19/21 10:42	
EPA 6010	Chromium	4.4 I	ug/L	5.0	01/19/21 10:42	
EPA 6010	Cobalt	1.5 I	ug/L	10.0	01/19/21 10:42	
EPA 6010	Iron	6160	ug/L	40.0	01/19/21 10:42	
EPA 6010	Sodium	109	mg/L	2.0	01/19/21 10:42	
EPA 6010	Vanadium	3.2 I	ug/L	10.0	01/19/21 10:42	
EPA 8260	Chlorobenzene	3.4	ug/L	1.0	01/18/21 12:22	
EPA 8260	1,4-Dichlorobenzene	0.88 I	ug/L	1.0	01/18/21 12:22	
SM 2540C	Total Dissolved Solids	990	mg/L	10.0	01/20/21 14:15	
EPA 300.0	Chloride	119	mg/L	25.0	01/26/21 00:23	
EPA 350.1	Nitrogen, Ammonia	24.0	mg/L	0.25	01/18/21 13:23	
EPA 353.2	Nitrogen, Nitrate	0.11	mg/L	0.050	01/15/21 20:16	
35605046003	**B85-6**					
	Field pH	6.40	Std. Units		01/15/21 12:18	
	Field Temperature	22.6	deg C		01/15/21 12:18	
	Appearance	Color: yellow, Sheen: none			01/15/21 12:18	
	Field Specific Conductance	2116	umhos/cm		01/15/21 12:18	
	Oxygen, Dissolved	0.25	mg/L		01/15/21 12:18	
	REDOX	-58.0	mV		01/15/21 12:18	
	Turbidity	12.2	NTU		01/15/21 12:18	
	Water Level(NGVD)	21.20	feet		01/15/21 12:18	
EPA 6010	Barium	53.2	ug/L	10.0	01/19/21 10:46	
EPA 6010	Chromium	3.9 I	ug/L	5.0	01/19/21 10:46	
EPA 6010	Cobalt	2.8 I	ug/L	10.0	01/19/21 10:46	
EPA 6010	Iron	10500	ug/L	40.0	01/19/21 10:46	
EPA 6010	Sodium	152	mg/L	2.0	01/19/21 10:46	
EPA 6010	Vanadium	5.4 I	ug/L	10.0	01/19/21 10:46	
EPA 6020	Arsenic	0.64 I	ug/L	1.0	01/19/21 16:01	
EPA 8260	Benzene	1.1	ug/L	1.0	01/26/21 02:26	
EPA 8260	Chlorobenzene	4.6	ug/L	1.0	01/26/21 02:26	
EPA 8260	1,4-Dichlorobenzene	0.98 I	ug/L	1.0	01/26/21 02:26	

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

SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35605046003	**B85-6**					
SM 2540C	Total Dissolved Solids	1200	mg/L	10.0	01/20/21 14:15	
EPA 300.0	Chloride	174	mg/L	50.0	01/26/21 00:45	
EPA 350.1	Nitrogen, Ammonia	26.3	mg/L	0.25	01/18/21 13:24	
EPA 353.2	Nitrogen, Nitrate	0.042 I	mg/L	0.050	01/15/21 20:17	
35605046004	**B87-6**					
	Field pH	6.69	Std. Units		01/15/21 13:08	
	Field Temperature	23.1	deg C		01/15/21 13:08	
	Appearance	Color: none, Sheen: none			01/15/21 13:08	
	Field Specific Conductance	694	umhos/cm		01/15/21 13:08	
	Oxygen, Dissolved	0.28	mg/L		01/15/21 13:08	
	REDOX	-68.8	mV		01/15/21 13:08	
	Turbidity	13.6	NTU		01/15/21 13:08	
	Water Level(NGVD)	20.81	feet		01/15/21 13:08	
EPA 6010	Barium	30.0	ug/L	10.0	01/19/21 10:57	
EPA 6010	Iron	4510	ug/L	40.0	01/19/21 10:57	
EPA 6010	Sodium	25.5	mg/L	2.0	01/19/21 10:57	
EPA 6010	Vanadium	1.6 I	ug/L	10.0	01/19/21 10:57	
SM 2540C	Total Dissolved Solids	422	mg/L	5.0	01/20/21 14:15	
EPA 300.0	Chloride	29.4	mg/L	5.0	01/26/21 02:13	J(M1)
EPA 350.1	Nitrogen, Ammonia	0.13	mg/L	0.050	01/18/21 12:44	
35605046005	**FA-2C**					
	Field pH	7.32	Std. Units		01/15/21 13:50	
	Field Temperature	22.0	deg C		01/15/21 13:50	
	Appearance	Color: yellow, Sheen: none			01/15/21 13:50	
	Field Specific Conductance	711	umhos/cm		01/15/21 13:50	
	Oxygen, Dissolved	0.16	mg/L		01/15/21 13:50	
	REDOX	-100.3	mV		01/15/21 13:50	
	Turbidity	0.74	NTU		01/15/21 13:50	
	Water Level(NGVD)	17.54	feet		01/15/21 13:50	
EPA 6010	Barium	21.3	ug/L	10.0	01/19/21 11:00	
EPA 6010	Iron	648	ug/L	40.0	01/19/21 11:00	
EPA 6010	Sodium	46.2	mg/L	2.0	01/19/21 11:00	
SM 2540C	Total Dissolved Solids	422	mg/L	5.0	01/20/21 14:15	
EPA 300.0	Chloride	63.0	mg/L	5.0	01/26/21 03:18	
EPA 350.1	Nitrogen, Ammonia	0.47	mg/L	0.050	01/18/21 12:46	
35605046006	**F-MB**					
	Field pH	6.99	Std. Units		01/15/21 14:32	
	Field Temperature	23.5	deg C		01/15/21 14:32	

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

SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35605046006	**F-MB**					
	Appearance	Color: none, Sheen: none			01/15/21 14:32	
	Field Specific Conductance	623	umhos/cm		01/15/21 14:32	
	Oxygen, Dissolved	0.24	mg/L		01/15/21 14:32	
	REDOX	-59.4	mV		01/15/21 14:32	
	Turbidity	19.1	NTU		01/15/21 14:32	
	Water Level(NGVD)	20.55	feet		01/15/21 14:32	
EPA 6010	Barium	18.9	ug/L	10.0	01/19/21 11:11	
EPA 6010	Iron	105	ug/L	40.0	01/19/21 11:11	
EPA 6010	Sodium	16.5	mg/L	2.0	01/19/21 11:11	
SM 2540C	Total Dissolved Solids	378	mg/L	5.0	01/20/21 14:15	
EPA 300.0	Chloride	21.7	mg/L	5.0	01/26/21 03:40	
EPA 350.1	Nitrogen, Ammonia	0.36	mg/L	0.050	01/18/21 12:47	
35605046007	**B64**					
	Field pH	6.38	Std. Units		01/15/21 13:31	
	Field Temperature	20.5	deg C		01/15/21 13:31	
	Appearance	Color: yellow, Sheen: none			01/15/21 13:31	
	Field Specific Conductance	565	umhos/cm		01/15/21 13:31	
	Oxygen, Dissolved	0.45	mg/L		01/15/21 13:31	
	REDOX	-29.8	mV		01/15/21 13:31	
	Turbidity	10.4	NTU		01/15/21 13:31	
	Water Level(NGVD)	26.70	feet		01/15/21 13:31	
EPA 6010	Barium	103	ug/L	10.0	01/19/21 11:14	
EPA 6010	Iron	25200	ug/L	40.0	01/19/21 11:14	
EPA 6010	Sodium	28.9	mg/L	2.0	01/19/21 11:14	
EPA 6010	Vanadium	1.8 I	ug/L	10.0	01/19/21 11:14	
EPA 6020	Arsenic	3.4	ug/L	1.0	01/19/21 16:12	
EPA 8260	Chlorobenzene	1.3	ug/L	1.0	01/23/21 07:44	
SM 2540C	Total Dissolved Solids	463	mg/L	5.0	01/20/21 14:15	
EPA 300.0	Chloride	24.9	mg/L	5.0	01/26/21 04:02	
EPA 350.1	Nitrogen, Ammonia	1.5	mg/L	0.050	01/18/21 12:49	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: EQ Blank 1/15/21 **Lab ID: 35605046001** Collected: 01/15/21 11:15 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/18/21 02:26	01/18/21 17:00	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.0099	0.0075	1	01/18/21 02:26	01/18/21 17:00	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**2.8 I**	ug/L	10.0	0.84	1	01/18/21 07:30	01/19/21 10:38	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/18/21 07:30	01/19/21 10:38	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/18/21 07:30	01/19/21 10:38	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/18/21 07:30	01/19/21 10:38	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/18/21 07:30	01/19/21 10:38	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/18/21 07:30	01/19/21 10:38	7440-50-8	
Iron	**25.0 U**	ug/L	40.0	25.0	1	01/18/21 07:30	01/19/21 10:38	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/18/21 07:30	01/19/21 10:38	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/18/21 07:30	01/19/21 10:38	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/18/21 07:30	01/19/21 10:38	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/18/21 07:30	01/19/21 10:38	7440-22-4	
Sodium	**0.54 U**	mg/L	2.0	0.54	1	01/18/21 07:30	01/19/21 10:38	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	01/18/21 07:30	01/19/21 10:38	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/18/21 07:30	01/19/21 10:38	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/18/21 07:30	01/19/21 15:57	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/18/21 07:30	01/19/21 15:57	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/18/21 07:30	01/19/21 15:57	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/21/21 07:45	01/26/21 13:02	7439-97-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/18/21 05:19	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/18/21 05:19	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 05:19	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 05:19	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/18/21 05:19	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/18/21 05:19	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/18/21 05:19	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/18/21 05:19	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 05:19	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/18/21 05:19	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 05:19	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/18/21 05:19	75-00-3	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: EQ Blank 1/15/21 **Lab ID: 35605046001** Collected: 01/15/21 11:15 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 05:19	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/18/21 05:19	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/18/21 05:19	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/18/21 05:19	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/18/21 05:19	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/18/21 05:19	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/18/21 05:19	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/18/21 05:19	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 05:19	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 05:19	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 05:19	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 05:19	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 05:19	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/18/21 05:19	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 05:19	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 05:19	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/18/21 05:19	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/18/21 05:19	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/18/21 05:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/18/21 05:19	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/18/21 05:19	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 05:19	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 05:19	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/18/21 05:19	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/18/21 05:19	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 05:19	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 05:19	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/18/21 05:19	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 05:19	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/18/21 05:19	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 05:19	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/18/21 05:19	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/18/21 05:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/18/21 05:19	460-00-4	
Toluene-d8 (S)	100	%	70-130		1		01/18/21 05:19	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		01/18/21 05:19	2199-69-1	
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		01/20/21 14:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Ormond Beach								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		01/26/21 00:00	16887-00-6	

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: EQ Blank 1/15/21 **Lab ID: 35605046001** Collected: 01/15/21 11:15 Received: 01/15/21 15:30 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	**0.035 U**	mg/L	0.050	0.035	1		01/18/21 12:39	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		01/15/21 20:12	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: B85 **Lab ID: 35605046002** Collected: 01/15/21 11:40 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.50**	Std. Units			1		01/15/21 11:40		
Field Temperature	**22.7**	deg C			1		01/15/21 11:40		
Appearance	**Color: yellow, Sheen: none**				1		01/15/21 11:40		
Field Specific Conductance	**1741**	umhos/cm			1		01/15/21 11:40		
Oxygen, Dissolved	**0.53**	mg/L			1		01/15/21 11:40	7782-44-7	
REDOX	**-45.4**	mV			1		01/15/21 11:40		
Turbidity	**12.7**	NTU			1		01/15/21 11:40		
Water Level(NGVD)	**21.27**	feet			1		01/15/21 11:40		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0064 U**	ug/L	0.020	0.0064	1	01/18/21 02:26	01/18/21 17:15	96-12-8	
1,2-Dibromoethane (EDB)	**0.0075 U**	ug/L	0.010	0.0075	1	01/18/21 02:26	01/18/21 17:15	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**50.3**	ug/L	10.0	0.84	1	01/18/21 07:30	01/19/21 10:42	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/18/21 07:30	01/19/21 10:42	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/18/21 07:30	01/19/21 10:42	7440-43-9	
Chromium	**4.4 I**	ug/L	5.0	1.7	1	01/18/21 07:30	01/19/21 10:42	7440-47-3	
Cobalt	**1.5 I**	ug/L	10.0	0.96	1	01/18/21 07:30	01/19/21 10:42	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/18/21 07:30	01/19/21 10:42	7440-50-8	
Iron	**6160**	ug/L	40.0	25.0	1	01/18/21 07:30	01/19/21 10:42	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/18/21 07:30	01/19/21 10:42	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/18/21 07:30	01/19/21 10:42	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/18/21 07:30	01/19/21 10:42	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/18/21 07:30	01/19/21 10:42	7440-22-4	
Sodium	**109**	mg/L	2.0	0.54	1	01/18/21 07:30	01/19/21 10:42	7440-23-5	
Vanadium	**3.2 I**	ug/L	10.0	1.0	1	01/18/21 07:30	01/19/21 10:42	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/18/21 07:30	01/19/21 10:42	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/18/21 07:30	01/19/21 15:59	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/18/21 07:30	01/19/21 15:59	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/18/21 07:30	01/19/21 15:59	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/21/21 07:45	01/26/21 13:04	7439-97-6	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: B85 **Lab ID: 35605046002** Collected: 01/15/21 11:40 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/18/21 12:22	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/18/21 12:22	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 12:22	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 12:22	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/18/21 12:22	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/18/21 12:22	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/18/21 12:22	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/18/21 12:22	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 12:22	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/18/21 12:22	56-23-5	
Chlorobenzene	**3.4**	ug/L	1.0	0.35	1		01/18/21 12:22	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/18/21 12:22	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 12:22	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/18/21 12:22	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/18/21 12:22	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/18/21 12:22	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/18/21 12:22	95-50-1	
1,4-Dichlorobenzene	**0.88 I**	ug/L	1.0	0.28	1		01/18/21 12:22	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/18/21 12:22	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/18/21 12:22	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 12:22	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 12:22	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/18/21 12:22	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 12:22	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/18/21 12:22	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/18/21 12:22	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/18/21 12:22	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 12:22	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/18/21 12:22	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/18/21 12:22	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/18/21 12:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/18/21 12:22	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/18/21 12:22	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/18/21 12:22	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/18/21 12:22	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/18/21 12:22	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/18/21 12:22	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 12:22	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/18/21 12:22	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/18/21 12:22	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/18/21 12:22	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/18/21 12:22	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/18/21 12:22	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/18/21 12:22	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/18/21 12:22	1330-20-7	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: B85 **Lab ID: 35605046002** Collected: 01/15/21 11:40 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/18/21 12:22	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		01/18/21 12:22	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		01/18/21 12:22	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**990**	mg/L	10.0	10.0	1		01/20/21 14:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**119**	mg/L	25.0	12.5	5		01/26/21 00:23	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**24.0**	mg/L	0.25	0.17	5		01/18/21 13:23	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.11**	mg/L	0.050	0.025	1		01/15/21 20:16	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: B85-6 **Lab ID: 35605046003** Collected: 01/15/21 12:18 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.40**	Std. Units			1		01/15/21 12:18		
Field Temperature	**22.6**	deg C			1		01/15/21 12:18		
Appearance	**Color: yellow, Sheen: none**				1		01/15/21 12:18		
Field Specific Conductance	**2116**	umhos/cm			1		01/15/21 12:18		
Oxygen, Dissolved	**0.25**	mg/L			1		01/15/21 12:18	7782-44-7	
REDOX	**-58.0**	mV			1		01/15/21 12:18		
Turbidity	**12.2**	NTU			1		01/15/21 12:18		
Water Level(NGVD)	**21.20**	feet			1		01/15/21 12:18		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	01/18/21 02:26	01/18/21 17:30	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	01/18/21 02:26	01/18/21 17:30	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**53.2**	ug/L	10.0	0.84	1	01/18/21 07:30	01/19/21 10:46	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/18/21 07:30	01/19/21 10:46	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/18/21 07:30	01/19/21 10:46	7440-43-9	
Chromium	**3.9 I**	ug/L	5.0	1.7	1	01/18/21 07:30	01/19/21 10:46	7440-47-3	
Cobalt	**2.8 I**	ug/L	10.0	0.96	1	01/18/21 07:30	01/19/21 10:46	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/18/21 07:30	01/19/21 10:46	7440-50-8	
Iron	**10500**	ug/L	40.0	25.0	1	01/18/21 07:30	01/19/21 10:46	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/18/21 07:30	01/19/21 10:46	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/18/21 07:30	01/19/21 10:46	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/18/21 07:30	01/19/21 10:46	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/18/21 07:30	01/19/21 10:46	7440-22-4	
Sodium	**152**	mg/L	2.0	0.54	1	01/18/21 07:30	01/19/21 10:46	7440-23-5	
Vanadium	**5.4 I**	ug/L	10.0	1.0	1	01/18/21 07:30	01/19/21 10:46	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/18/21 07:30	01/19/21 10:46	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/18/21 07:30	01/19/21 16:01	7440-36-0	
Arsenic	**0.64 I**	ug/L	1.0	0.50	1	01/18/21 07:30	01/19/21 16:01	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/18/21 07:30	01/19/21 16:01	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/21/21 07:45	01/26/21 13:06	7439-97-6	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: B85-6 **Lab ID: 35605046003** Collected: 01/15/21 12:18 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/26/21 02:26	67-64-1	J(v1)
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/26/21 02:26	107-13-1	
Benzene	**1.1**	ug/L	1.0	0.30	1		01/26/21 02:26	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/26/21 02:26	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/26/21 02:26	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/26/21 02:26	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/26/21 02:26	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/26/21 02:26	78-93-3	
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/26/21 02:26	75-15-0	
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/26/21 02:26	56-23-5	
Chlorobenzene	**4.6**	ug/L	1.0	0.35	1		01/26/21 02:26	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/26/21 02:26	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/26/21 02:26	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/26/21 02:26	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/26/21 02:26	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/26/21 02:26	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/26/21 02:26	95-50-1	
1,4-Dichlorobenzene	**0.98 I**	ug/L	1.0	0.28	1		01/26/21 02:26	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/26/21 02:26	110-57-6	
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/26/21 02:26	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/26/21 02:26	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/26/21 02:26	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/26/21 02:26	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/26/21 02:26	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/26/21 02:26	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/26/21 02:26	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/26/21 02:26	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/26/21 02:26	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/26/21 02:26	591-78-6	
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/26/21 02:26	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/26/21 02:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/26/21 02:26	108-10-1	
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/26/21 02:26	100-42-5	
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/26/21 02:26	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/26/21 02:26	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/26/21 02:26	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/26/21 02:26	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/26/21 02:26	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/26/21 02:26	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/26/21 02:26	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/26/21 02:26	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/26/21 02:26	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/26/21 02:26	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/26/21 02:26	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/26/21 02:26	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: B85-6 **Lab ID: 35605046003** Collected: 01/15/21 12:18 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/26/21 02:26	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		01/26/21 02:26	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/26/21 02:26	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**1200**	mg/L	10.0	10.0	1		01/20/21 14:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**174**	mg/L	50.0	25.0	10		01/26/21 00:45	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**26.3**	mg/L	0.25	0.17	5		01/18/21 13:24	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.042 I**	mg/L	0.050	0.025	1		01/15/21 20:17	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: B87-6 **Lab ID: 35605046004** Collected: 01/15/21 13:08 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.69**	Std. Units			1		01/15/21 13:08		
Field Temperature	**23.1**	deg C			1		01/15/21 13:08		
Appearance	**Color: none, Sheen: none**				1		01/15/21 13:08		
Field Specific Conductance	**694**	umhos/cm			1		01/15/21 13:08		
Oxygen, Dissolved	**0.28**	mg/L			1		01/15/21 13:08	7782-44-7	
REDOX	**-68.8**	mV			1		01/15/21 13:08		
Turbidity	**13.6**	NTU			1		01/15/21 13:08		
Water Level(NGVD)	**20.81**	feet			1		01/15/21 13:08		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0067 U**	ug/L	0.021	0.0067	1	01/18/21 02:26	01/18/21 17:45	96-12-8	
1,2-Dibromoethane (EDB)	**0.0079 U**	ug/L	0.010	0.0079	1	01/18/21 02:26	01/18/21 17:45	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**30.0**	ug/L	10.0	0.84	1	01/18/21 07:30	01/19/21 10:57	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/18/21 07:30	01/19/21 10:57	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/18/21 07:30	01/19/21 10:57	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/18/21 07:30	01/19/21 10:57	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/18/21 07:30	01/19/21 10:57	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/18/21 07:30	01/19/21 10:57	7440-50-8	
Iron	**4510**	ug/L	40.0	25.0	1	01/18/21 07:30	01/19/21 10:57	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/18/21 07:30	01/19/21 10:57	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/18/21 07:30	01/19/21 10:57	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/18/21 07:30	01/19/21 10:57	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/18/21 07:30	01/19/21 10:57	7440-22-4	
Sodium	**25.5**	mg/L	2.0	0.54	1	01/18/21 07:30	01/19/21 10:57	7440-23-5	
Vanadium	**1.6 I**	ug/L	10.0	1.0	1	01/18/21 07:30	01/19/21 10:57	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/18/21 07:30	01/19/21 10:57	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/18/21 07:30	01/19/21 16:06	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/18/21 07:30	01/19/21 16:06	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/18/21 07:30	01/19/21 16:06	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/21/21 07:45	01/26/21 13:09	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: B87-6 **Lab ID: 35605046004** Collected: 01/15/21 13:08 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/23/21 06:23	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/23/21 06:23	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 06:23	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/23/21 06:23	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/23/21 06:23	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/23/21 06:23	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/23/21 06:23	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/23/21 06:23	78-93-3	J(v2)
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/23/21 06:23	75-15-0	J(v1)
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/23/21 06:23	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/23/21 06:23	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/23/21 06:23	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/23/21 06:23	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/23/21 06:23	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/23/21 06:23	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/23/21 06:23	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/23/21 06:23	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/23/21 06:23	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/23/21 06:23	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/23/21 06:23	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/23/21 06:23	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/23/21 06:23	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/23/21 06:23	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/23/21 06:23	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/23/21 06:23	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/23/21 06:23	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/23/21 06:23	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 06:23	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/23/21 06:23	591-78-6	J(v2)
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/23/21 06:23	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/23/21 06:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/23/21 06:23	108-10-1	J(v2)
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/23/21 06:23	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/23/21 06:23	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/23/21 06:23	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/23/21 06:23	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/23/21 06:23	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 06:23	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 06:23	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/23/21 06:23	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/23/21 06:23	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/23/21 06:23	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/23/21 06:23	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/23/21 06:23	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/23/21 06:23	1330-20-7	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: B87-6 **Lab ID: 35605046004** Collected: 01/15/21 13:08 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		01/23/21 06:23	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		01/23/21 06:23	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		01/23/21 06:23	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**422**	mg/L	5.0	5.0	1		01/20/21 14:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**29.4**	mg/L	5.0	2.5	1		01/26/21 02:13	16887-00-6	J(M1)
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.13**	mg/L	0.050	0.035	1		01/18/21 12:44	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.25 U**	mg/L	0.50	0.25	10		01/15/21 21:03	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: FA-2C **Lab ID: 35605046005** Collected: 01/15/21 13:50 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**7.32**	Std. Units			1		01/15/21 13:50		
Field Temperature	**22.0**	deg C			1		01/15/21 13:50		
Appearance	**Color: yellow, Sheen: none**				1		01/15/21 13:50		
Field Specific Conductance	**711**	umhos/cm			1		01/15/21 13:50		
Oxygen, Dissolved	**0.16**	mg/L			1		01/15/21 13:50	7782-44-7	
REDOX	**-100.3**	mV			1		01/15/21 13:50		
Turbidity	**0.74**	NTU			1		01/15/21 13:50		
Water Level(NGVD)	**17.54**	feet			1		01/15/21 13:50		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0065 U**	ug/L	0.020	0.0065	1	01/18/21 02:26	01/18/21 18:00	96-12-8	
1,2-Dibromoethane (EDB)	**0.0076 U**	ug/L	0.010	0.0076	1	01/18/21 02:26	01/18/21 18:00	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**21.3**	ug/L	10.0	0.84	1	01/18/21 07:30	01/19/21 11:00	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/18/21 07:30	01/19/21 11:00	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/18/21 07:30	01/19/21 11:00	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/18/21 07:30	01/19/21 11:00	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/18/21 07:30	01/19/21 11:00	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/18/21 07:30	01/19/21 11:00	7440-50-8	
Iron	**648**	ug/L	40.0	25.0	1	01/18/21 07:30	01/19/21 11:00	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/18/21 07:30	01/19/21 11:00	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/18/21 07:30	01/19/21 11:00	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/18/21 07:30	01/19/21 11:00	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/18/21 07:30	01/19/21 11:00	7440-22-4	
Sodium	**46.2**	mg/L	2.0	0.54	1	01/18/21 07:30	01/19/21 11:00	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	01/18/21 07:30	01/19/21 11:00	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/18/21 07:30	01/19/21 11:00	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/18/21 07:30	01/19/21 16:08	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/18/21 07:30	01/19/21 16:08	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/18/21 07:30	01/19/21 16:08	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/21/21 07:45	01/26/21 13:11	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: FA-2C **Lab ID: 35605046005** Collected: 01/15/21 13:50 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/23/21 06:50	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/23/21 06:50	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 06:50	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/23/21 06:50	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/23/21 06:50	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/23/21 06:50	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/23/21 06:50	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/23/21 06:50	78-93-3	J(v2)
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/23/21 06:50	75-15-0	J(v1)
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/23/21 06:50	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/23/21 06:50	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/23/21 06:50	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/23/21 06:50	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/23/21 06:50	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/23/21 06:50	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/23/21 06:50	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/23/21 06:50	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/23/21 06:50	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/23/21 06:50	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/23/21 06:50	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/23/21 06:50	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/23/21 06:50	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/23/21 06:50	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/23/21 06:50	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/23/21 06:50	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/23/21 06:50	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/23/21 06:50	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 06:50	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/23/21 06:50	591-78-6	J(v2)
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/23/21 06:50	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/23/21 06:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/23/21 06:50	108-10-1	J(v2)
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/23/21 06:50	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/23/21 06:50	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/23/21 06:50	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/23/21 06:50	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/23/21 06:50	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 06:50	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 06:50	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/23/21 06:50	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/23/21 06:50	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/23/21 06:50	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/23/21 06:50	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/23/21 06:50	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/23/21 06:50	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: FA-2C **Lab ID: 35605046005** Collected: 01/15/21 13:50 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		01/23/21 06:50	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		01/23/21 06:50	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		01/23/21 06:50	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**422**	mg/L	5.0	5.0	1		01/20/21 14:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**63.0**	mg/L	5.0	2.5	1		01/26/21 03:18	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.47**	mg/L	0.050	0.035	1		01/18/21 12:46	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		01/15/21 20:20	14797-55-8	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: F-MB **Lab ID: 35605046006** Collected: 01/15/21 14:32 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.99**	Std. Units			1		01/15/21 14:32		
Field Temperature	**23.5**	deg C			1		01/15/21 14:32		
Appearance	**Color: none, Sheen: none**				1		01/15/21 14:32		
Field Specific Conductance	**623**	umhos/cm			1		01/15/21 14:32		
Oxygen, Dissolved	**0.24**	mg/L			1		01/15/21 14:32	7782-44-7	
REDOX	**-59.4**	mV			1		01/15/21 14:32		
Turbidity	**19.1**	NTU			1		01/15/21 14:32		
Water Level(NGVD)	**20.55**	feet			1		01/15/21 14:32		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0063 U**	ug/L	0.020	0.0063	1	01/18/21 02:26	01/18/21 18:14	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0099	0.0074	1	01/18/21 02:26	01/18/21 18:14	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**18.9**	ug/L	10.0	0.84	1	01/18/21 07:30	01/19/21 11:11	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/18/21 07:30	01/19/21 11:11	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/18/21 07:30	01/19/21 11:11	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/18/21 07:30	01/19/21 11:11	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/18/21 07:30	01/19/21 11:11	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/18/21 07:30	01/19/21 11:11	7440-50-8	
Iron	**105**	ug/L	40.0	25.0	1	01/18/21 07:30	01/19/21 11:11	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/18/21 07:30	01/19/21 11:11	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/18/21 07:30	01/19/21 11:11	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/18/21 07:30	01/19/21 11:11	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/18/21 07:30	01/19/21 11:11	7440-22-4	
Sodium	**16.5**	mg/L	2.0	0.54	1	01/18/21 07:30	01/19/21 11:11	7440-23-5	
Vanadium	**1.0 U**	ug/L	10.0	1.0	1	01/18/21 07:30	01/19/21 11:11	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/18/21 07:30	01/19/21 11:11	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	01/18/21 07:30	01/19/21 16:10	7440-36-0	
Arsenic	**0.50 U**	ug/L	1.0	0.50	1	01/18/21 07:30	01/19/21 16:10	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/18/21 07:30	01/19/21 16:10	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/21/21 07:45	01/26/21 13:18	7439-97-6	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: F-MB **Lab ID: 35605046006** Collected: 01/15/21 14:32 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/23/21 07:17	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/23/21 07:17	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 07:17	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/23/21 07:17	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/23/21 07:17	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/23/21 07:17	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/23/21 07:17	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/23/21 07:17	78-93-3	J(v2)
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/23/21 07:17	75-15-0	J(v1)
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/23/21 07:17	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/23/21 07:17	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/23/21 07:17	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/23/21 07:17	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/23/21 07:17	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/23/21 07:17	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/23/21 07:17	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/23/21 07:17	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/23/21 07:17	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/23/21 07:17	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/23/21 07:17	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/23/21 07:17	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/23/21 07:17	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/23/21 07:17	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/23/21 07:17	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/23/21 07:17	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/23/21 07:17	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/23/21 07:17	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 07:17	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/23/21 07:17	591-78-6	J(v2)
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/23/21 07:17	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/23/21 07:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/23/21 07:17	108-10-1	J(v2)
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/23/21 07:17	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/23/21 07:17	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/23/21 07:17	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/23/21 07:17	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/23/21 07:17	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 07:17	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 07:17	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/23/21 07:17	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/23/21 07:17	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/23/21 07:17	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/23/21 07:17	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/23/21 07:17	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/23/21 07:17	1330-20-7	

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: F-MB **Lab ID: 35605046006** Collected: 01/15/21 14:32 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		01/23/21 07:17	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		01/23/21 07:17	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		01/23/21 07:17	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**378**	mg/L	5.0	5.0	1		01/20/21 14:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**21.7**	mg/L	5.0	2.5	1		01/26/21 03:40	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1 Pace Analytical Services - Ormond Beach								
Nitrogen, Ammonia	**0.36**	mg/L	0.050	0.035	1		01/18/21 12:47	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		01/15/21 20:21	14797-55-8	

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: B64 **Lab ID: 35605046007** Collected: 01/15/21 13:31 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Ormond Beach								
Field pH	**6.38**	Std. Units			1		01/15/21 13:31		
Field Temperature	**20.5**	deg C			1		01/15/21 13:31		
Appearance	**Color: yellow, Sheen: none**				1		01/15/21 13:31		
Field Specific Conductance	**565**	umhos/cm			1		01/15/21 13:31		
Oxygen, Dissolved	**0.45**	mg/L			1		01/15/21 13:31	7782-44-7	
REDOX	**-29.8**	mV			1		01/15/21 13:31		
Turbidity	**10.4**	NTU			1		01/15/21 13:31		
Water Level(NGVD)	**26.70**	feet			1		01/15/21 13:31		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Ormond Beach								
1,2-Dibromo-3-chloropropane	**0.0063 U**	ug/L	0.020	0.0063	1	01/18/21 02:26	01/18/21 18:29	96-12-8	
1,2-Dibromoethane (EDB)	**0.0074 U**	ug/L	0.0099	0.0074	1	01/18/21 02:26	01/18/21 18:29	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Ormond Beach								
Barium	**103**	ug/L	10.0	0.84	1	01/18/21 07:30	01/19/21 11:14	7440-39-3	
Beryllium	**0.17 U**	ug/L	4.0	0.17	1	01/18/21 07:30	01/19/21 11:14	7440-41-7	
Cadmium	**0.33 U**	ug/L	1.0	0.33	1	01/18/21 07:30	01/19/21 11:14	7440-43-9	
Chromium	**1.7 U**	ug/L	5.0	1.7	1	01/18/21 07:30	01/19/21 11:14	7440-47-3	
Cobalt	**0.96 U**	ug/L	10.0	0.96	1	01/18/21 07:30	01/19/21 11:14	7440-48-4	
Copper	**2.6 U**	ug/L	5.0	2.6	1	01/18/21 07:30	01/19/21 11:14	7440-50-8	
Iron	**25200**	ug/L	40.0	25.0	1	01/18/21 07:30	01/19/21 11:14	7439-89-6	
Lead	**4.6 U**	ug/L	10.0	4.6	1	01/18/21 07:30	01/19/21 11:14	7439-92-1	
Nickel	**2.1 U**	ug/L	5.0	2.1	1	01/18/21 07:30	01/19/21 11:14	7440-02-0	
Selenium	**8.5 U**	ug/L	15.0	8.5	1	01/18/21 07:30	01/19/21 11:14	7782-49-2	
Silver	**1.0 U**	ug/L	5.0	1.0	1	01/18/21 07:30	01/19/21 11:14	7440-22-4	
Sodium	**28.9**	mg/L	2.0	0.54	1	01/18/21 07:30	01/19/21 11:14	7440-23-5	
Vanadium	**1.8 I**	ug/L	10.0	1.0	1	01/18/21 07:30	01/19/21 11:14	7440-62-2	
Zinc	**11.0 U**	ug/L	20.0	11.0	1	01/18/21 07:30	01/19/21 11:14	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	01/18/21 07:30	01/19/21 16:12	7440-36-0	
Arsenic	**3.4**	ug/L	1.0	0.50	1	01/18/21 07:30	01/19/21 16:12	7440-38-2	
Thallium	**0.11 U**	ug/L	1.0	0.11	1	01/18/21 07:30	01/19/21 16:12	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Ormond Beach								
Mercury	**0.090 U**	ug/L	0.20	0.090	1	01/21/21 07:45	01/26/21 13:20	7439-97-6	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: B64 **Lab ID: 35605046007** Collected: 01/15/21 13:31 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/23/21 07:44	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/23/21 07:44	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 07:44	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/23/21 07:44	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/23/21 07:44	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/23/21 07:44	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/23/21 07:44	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/23/21 07:44	78-93-3	J(v2)
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/23/21 07:44	75-15-0	J(v1)
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/23/21 07:44	56-23-5	
Chlorobenzene	**1.3**	ug/L	1.0	0.35	1		01/23/21 07:44	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/23/21 07:44	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/23/21 07:44	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/23/21 07:44	74-87-3	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/23/21 07:44	124-48-1	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/23/21 07:44	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/23/21 07:44	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/23/21 07:44	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/23/21 07:44	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/23/21 07:44	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/23/21 07:44	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/23/21 07:44	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/23/21 07:44	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/23/21 07:44	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/23/21 07:44	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/23/21 07:44	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/23/21 07:44	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 07:44	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/23/21 07:44	591-78-6	J(v2)
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/23/21 07:44	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/23/21 07:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/23/21 07:44	108-10-1	J(v2)
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/23/21 07:44	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/23/21 07:44	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/23/21 07:44	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/23/21 07:44	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/23/21 07:44	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 07:44	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 07:44	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/23/21 07:44	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/23/21 07:44	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/23/21 07:44	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/23/21 07:44	108-05-4	
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/23/21 07:44	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/23/21 07:44	1330-20-7	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: B64 **Lab ID: 35605046007** Collected: 01/15/21 13:31 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		01/23/21 07:44	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		01/23/21 07:44	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		01/23/21 07:44	2199-69-1	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach								
Total Dissolved Solids	**463**	mg/L	5.0	5.0	1		01/20/21 14:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach								
Chloride	**24.9**	mg/L	5.0	2.5	1		01/26/21 04:02	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		01/18/21 12:49	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Ormond Beach								
Nitrogen, Nitrate	**0.38 U**	mg/L	0.75	0.38	15		01/15/21 21:04	14797-55-8	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: TRIP BLANK 1/15/21 **Lab ID: 35605046008** Collected: 01/15/21 00:00 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Acetone	**5.3 U**	ug/L	25.0	5.3	1		01/23/21 02:20	67-64-1	
Acrylonitrile	**3.7 U**	ug/L	20.0	3.7	1		01/23/21 02:20	107-13-1	
Benzene	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 02:20	71-43-2	
Bromochloromethane	**0.37 U**	ug/L	1.0	0.37	1		01/23/21 02:20	74-97-5	
Bromodichloromethane	**0.19 U**	ug/L	1.0	0.19	1		01/23/21 02:20	75-27-4	
Bromoform	**0.48 U**	ug/L	3.0	0.48	1		01/23/21 02:20	75-25-2	
Bromomethane	**8.1 U**	ug/L	10.0	8.1	1		01/23/21 02:20	74-83-9	J(v2)
2-Butanone (MEK)	**21.0 U**	ug/L	50.0	21.0	1		01/23/21 02:20	78-93-3	J(v2)
Carbon disulfide	**1.8 U**	ug/L	10.0	1.8	1		01/23/21 02:20	75-15-0	J(v1)
Carbon tetrachloride	**0.44 U**	ug/L	3.0	0.44	1		01/23/21 02:20	56-23-5	
Chlorobenzene	**0.35 U**	ug/L	1.0	0.35	1		01/23/21 02:20	108-90-7	
Chloroethane	**3.7 U**	ug/L	10.0	3.7	1		01/23/21 02:20	75-00-3	
Chloroform	**0.32 U**	ug/L	1.0	0.32	1		01/23/21 02:20	67-66-3	
Chloromethane	**0.43 U**	ug/L	1.0	0.43	1		01/23/21 02:20	74-87-3	
1,2-Dibromo-3-chloropropane	**1.9 U**	ug/L	5.0	1.9	1		01/23/21 02:20	96-12-8	
Dibromochloromethane	**0.45 U**	ug/L	2.0	0.45	1		01/23/21 02:20	124-48-1	
1,2-Dibromoethane (EDB)	**0.31 U**	ug/L	1.0	0.31	1		01/23/21 02:20	106-93-4	
Dibromomethane	**0.68 U**	ug/L	2.0	0.68	1		01/23/21 02:20	74-95-3	
1,2-Dichlorobenzene	**0.60 U**	ug/L	1.0	0.60	1		01/23/21 02:20	95-50-1	
1,4-Dichlorobenzene	**0.28 U**	ug/L	1.0	0.28	1		01/23/21 02:20	106-46-7	
trans-1,4-Dichloro-2-butene	**2.5 U**	ug/L	10.0	2.5	1		01/23/21 02:20	110-57-6	J(v2)
1,1-Dichloroethane	**0.34 U**	ug/L	1.0	0.34	1		01/23/21 02:20	75-34-3	
1,2-Dichloroethane	**0.27 U**	ug/L	1.0	0.27	1		01/23/21 02:20	107-06-2	
1,1-Dichloroethene	**0.59 U**	ug/L	1.0	0.59	1		01/23/21 02:20	75-35-4	
cis-1,2-Dichloroethene	**0.27 U**	ug/L	1.0	0.27	1		01/23/21 02:20	156-59-2	
trans-1,2-Dichloroethene	**0.23 U**	ug/L	1.0	0.23	1		01/23/21 02:20	156-60-5	
1,2-Dichloropropane	**0.23 U**	ug/L	1.0	0.23	1		01/23/21 02:20	78-87-5	
cis-1,3-Dichloropropene	**0.17 U**	ug/L	1.0	0.17	1		01/23/21 02:20	10061-01-5	
trans-1,3-Dichloropropene	**0.37 U**	ug/L	1.0	0.37	1		01/23/21 02:20	10061-02-6	
Ethylbenzene	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 02:20	100-41-4	
2-Hexanone	**3.2 U**	ug/L	25.0	3.2	1		01/23/21 02:20	591-78-6	J(v2)
Iodomethane	**9.3 U**	ug/L	10.0	9.3	1		01/23/21 02:20	74-88-4	J(v2)
Methylene Chloride	**4.4 U**	ug/L	5.0	4.4	1		01/23/21 02:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.5 U**	ug/L	25.0	7.5	1		01/23/21 02:20	108-10-1	J(v2)
Styrene	**0.26 U**	ug/L	1.0	0.26	1		01/23/21 02:20	100-42-5	J(v2)
1,1,1,2-Tetrachloroethane	**0.32 U**	ug/L	1.0	0.32	1		01/23/21 02:20	630-20-6	
1,1,2,2-Tetrachloroethane	**0.59 U**	ug/L	1.0	0.59	1		01/23/21 02:20	79-34-5	
Tetrachloroethene	**0.38 U**	ug/L	1.0	0.38	1		01/23/21 02:20	127-18-4	
Toluene	**0.33 U**	ug/L	1.0	0.33	1		01/23/21 02:20	108-88-3	
1,1,1-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 02:20	71-55-6	
1,1,2-Trichloroethane	**0.30 U**	ug/L	1.0	0.30	1		01/23/21 02:20	79-00-5	
Trichloroethene	**0.36 U**	ug/L	1.0	0.36	1		01/23/21 02:20	79-01-6	
Trichlorofluoromethane	**0.35 U**	ug/L	1.0	0.35	1		01/23/21 02:20	75-69-4	
1,2,3-Trichloropropane	**0.53 U**	ug/L	2.0	0.53	1		01/23/21 02:20	96-18-4	
Vinyl acetate	**1.8 U**	ug/L	10.0	1.8	1		01/23/21 02:20	108-05-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Sample: TRIP BLANK 1/15/21 **Lab ID: 35605046008** Collected: 01/15/21 00:00 Received: 01/15/21 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Ormond Beach								
Vinyl chloride	**0.39 U**	ug/L	1.0	0.39	1		01/23/21 02:20	75-01-4	
Xylene (Total)	**2.1 U**	ug/L	5.0	2.1	1		01/23/21 02:20	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		01/23/21 02:20	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		01/23/21 02:20	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		01/23/21 02:20	2199-69-1	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

QC Batch: 698391
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35605046001, 35605046002, 35605046003, 35605046004, 35605046005, 35605046006, 35605046007

METHOD BLANK: 3802456 Matrix: Water
Associated Lab Samples: 35605046001, 35605046002, 35605046003, 35605046004, 35605046005, 35605046006, 35605046007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.090 U	0.20	0.090	01/26/21 12:09	

LABORATORY CONTROL SAMPLE: 3802457

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3802458 3802459

Parameter	Units	35604378001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.090 U	2	2	2.0	2.0	99	98	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

QC Batch: 697421
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35605046001, 35605046002, 35605046003, 35605046004, 35605046005, 35605046006, 35605046007

METHOD BLANK: 3797161 Matrix: Water
Associated Lab Samples: 35605046001, 35605046002, 35605046003, 35605046004, 35605046005, 35605046006, 35605046007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	0.84 U	10.0	0.84	01/19/21 09:57	
Beryllium	ug/L	0.17 U	4.0	0.17	01/19/21 09:57	
Cadmium	ug/L	0.33 U	1.0	0.33	01/19/21 09:57	
Chromium	ug/L	1.7 U	5.0	1.7	01/19/21 09:57	
Cobalt	ug/L	0.96 U	10.0	0.96	01/19/21 09:57	
Copper	ug/L	2.6 U	5.0	2.6	01/19/21 09:57	
Iron	ug/L	25.0 U	40.0	25.0	01/19/21 09:57	
Lead	ug/L	4.6 U	10.0	4.6	01/19/21 09:57	
Nickel	ug/L	2.1 U	5.0	2.1	01/19/21 09:57	
Selenium	ug/L	8.5 U	15.0	8.5	01/19/21 09:57	
Silver	ug/L	1.0 U	5.0	1.0	01/19/21 09:57	
Sodium	mg/L	0.54 U	2.0	0.54	01/19/21 09:57	
Vanadium	ug/L	1.0 U	10.0	1.0	01/19/21 09:57	
Zinc	ug/L	11.0 U	20.0	11.0	01/19/21 09:57	

LABORATORY CONTROL SAMPLE: 3797162

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	263	105	80-120	
Beryllium	ug/L	25	25.0	100	80-120	
Cadmium	ug/L	25	26.0	104	80-120	
Chromium	ug/L	250	259	104	80-120	
Cobalt	ug/L	250	257	103	80-120	
Copper	ug/L	250	254	101	80-120	
Iron	ug/L	2500	2600	104	80-120	
Lead	ug/L	250	262	105	80-120	
Nickel	ug/L	250	262	105	80-120	
Selenium	ug/L	250	255	102	80-120	
Silver	ug/L	25	25.6	102	80-120	
Sodium	mg/L	12.5	12.5	100	80-120	
Vanadium	ug/L	250	258	103	80-120	
Zinc	ug/L	1250	1310	105	80-120	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3797163 3797164

Parameter	Units	35604803001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	58.2	250	250	321	317	105	103	75-125	1	20	
Beryllium	ug/L	0.17 U	25	25	25.0	24.7	100	99	75-125	1	20	
Cadmium	ug/L	0.33 U	25	25	25.5	25.2	101	100	75-125	1	20	
Chromium	ug/L	1.7 U	250	250	260	256	104	102	75-125	2	20	
Cobalt	ug/L	0.96 U	250	250	257	255	103	102	75-125	1	20	
Copper	ug/L	2.6 U	250	250	263	257	105	103	75-125	2	20	
Iron	ug/L	5180	2500	2500	7870	7770	108	104	75-125	1	20	
Lead	ug/L	4.6 U	250	250	260	254	104	101	75-125	2	20	
Nickel	ug/L	2.1 U	250	250	264	259	105	103	75-125	2	20	
Selenium	ug/L	8.5 U	250	250	257	254	102	101	75-125	1	20	
Silver	ug/L	1.0 U	25	25	26.2	25.8	105	103	75-125	1	20	
Sodium	mg/L	39.0	12.5	12.5	53.1	52.4	113	107	75-125	1	20	
Vanadium	ug/L	2.6 I	250	250	265	261	105	103	75-125	2	20	
Zinc	ug/L	11.0 U	1250	1250	1270	1260	102	100	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

QC Batch: 697420
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35605046001, 35605046002, 35605046003, 35605046004, 35605046005, 35605046006, 35605046007

METHOD BLANK: 3797157 Matrix: Water
Associated Lab Samples: 35605046001, 35605046002, 35605046003, 35605046004, 35605046005, 35605046006, 35605046007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	01/19/21 15:36	
Arsenic	ug/L	0.50 U	1.0	0.50	01/19/21 15:36	
Thallium	ug/L	0.11 U	1.0	0.11	01/19/21 15:36	

LABORATORY CONTROL SAMPLE: 3797158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	50.3	101	80-120	
Arsenic	ug/L	50	49.0	98	80-120	
Thallium	ug/L	50	49.0	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3797159 3797160

Parameter	Units	35604803007 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	50.3	49.6	101	99	75-125	1	20	
Arsenic	ug/L	0.50 U	50	50	48.9	43.6	98	87	75-125	12	20	J(IR)
Thallium	ug/L	0.11 U	50	50	48.6	49.8	97	100	75-125	2	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

QC Batch: 697388
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35605046001, 35605046002

METHOD BLANK: 3797080
Matrix: Water
Associated Lab Samples: 35605046001, 35605046002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/18/21 02:40	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/18/21 02:40	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/18/21 02:40	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/18/21 02:40	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/18/21 02:40	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/18/21 02:40	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/18/21 02:40	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/18/21 02:40	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	01/18/21 02:40	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/18/21 02:40	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/18/21 02:40	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	01/18/21 02:40	
2-Hexanone	ug/L	3.2 U	25.0	3.2	01/18/21 02:40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/18/21 02:40	
Acetone	ug/L	5.3 U	25.0	5.3	01/18/21 02:40	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/18/21 02:40	
Benzene	ug/L	0.30 U	1.0	0.30	01/18/21 02:40	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/18/21 02:40	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/18/21 02:40	
Bromoform	ug/L	0.48 U	3.0	0.48	01/18/21 02:40	
Bromomethane	ug/L	8.1 U	10.0	8.1	01/18/21 02:40	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/18/21 02:40	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/18/21 02:40	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/18/21 02:40	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/18/21 02:40	
Chloroform	ug/L	0.32 U	1.0	0.32	01/18/21 02:40	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/18/21 02:40	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/18/21 02:40	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/18/21 02:40	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/18/21 02:40	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/18/21 02:40	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/18/21 02:40	
Iodomethane	ug/L	9.3 U	10.0	9.3	01/18/21 02:40	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	01/18/21 02:40	
Styrene	ug/L	0.26 U	1.0	0.26	01/18/21 02:40	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/18/21 02:40	
Toluene	ug/L	0.33 U	1.0	0.33	01/18/21 02:40	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/18/21 02:40	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/18/21 02:40	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/18/21 02:40	J(v2)

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

METHOD BLANK: 3797080 Matrix: Water
Associated Lab Samples: 35605046001, 35605046002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/18/21 02:40	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	01/18/21 02:40	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/18/21 02:40	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/18/21 02:40	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/18/21 02:40	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130		01/18/21 02:40	
4-Bromofluorobenzene (S)	%	100	70-130		01/18/21 02:40	
Toluene-d8 (S)	%	103	70-130		01/18/21 02:40	

LABORATORY CONTROL SAMPLE: 3797081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.0	100	70-130	
1,1,1-Trichloroethane	ug/L	20	20.5	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.3	101	68-125	
1,1,2-Trichloroethane	ug/L	20	20.6	103	70-130	
1,1-Dichloroethane	ug/L	20	20.4	102	70-130	
1,1-Dichloroethene	ug/L	20	20.7	103	66-133	
1,2,3-Trichloropropane	ug/L	20	20.0	100	62-127	
1,2-Dichlorobenzene	ug/L	20	19.4	97	70-130	
1,2-Dichloroethane	ug/L	20	22.2	111	70-130	
1,2-Dichloropropane	ug/L	20	20.6	103	70-130	
1,4-Dichlorobenzene	ug/L	20	19.4	97	70-130	
2-Butanone (MEK)	ug/L	100	103	103	47-143	
2-Hexanone	ug/L	100	92.8	93	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	88.9	89	57-132	
Acetone	ug/L	100	102	102	46-148	
Acrylonitrile	ug/L	100	105	105	60-143	
Benzene	ug/L	20	20.5	103	70-130	
Bromochloromethane	ug/L	20	20.7	103	70-130	
Bromodichloromethane	ug/L	20	21.0	105	70-130	
Bromoform	ug/L	20	16.5	82	49-126	
Bromomethane	ug/L	20	8.1 U	20	10-165	J(v3)
Carbon disulfide	ug/L	20	19.5	98	60-141	
Carbon tetrachloride	ug/L	20	20.0	100	63-126	
Chlorobenzene	ug/L	20	19.7	98	70-130	
Chloroethane	ug/L	20	20.2	101	71-142	
Chloroform	ug/L	20	20.6	103	70-130	
Chloromethane	ug/L	20	16.4	82	40-140	
cis-1,2-Dichloroethene	ug/L	20	20.2	101	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.0	100	70-130	
Dibromochloromethane	ug/L	20	19.8	99	62-118	
Dibromomethane	ug/L	20	21.8	109	70-130	
Ethylbenzene	ug/L	20	19.0	95	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

LABORATORY CONTROL SAMPLE: 3797081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	9.3 U	28	10-164	J(v3)
Methylene Chloride	ug/L	20	20.2	101	65-136	
Styrene	ug/L	20	20.4	102	70-130	
Tetrachloroethene	ug/L	20	21.5	108	64-134	
Toluene	ug/L	20	19.0	95	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.1	96	68-127	
trans-1,3-Dichloropropene	ug/L	20	17.8	89	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	15.1	75	42-129	J(v3)
Trichloroethene	ug/L	20	21.0	105	70-130	
Trichlorofluoromethane	ug/L	20	21.7	109	65-135	
Vinyl acetate	ug/L	20	21.6	108	60-144	
Vinyl chloride	ug/L	20	18.2	91	68-131	
Xylene (Total)	ug/L	60	58.8	98	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 3797083

Parameter	Units	35604632002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	20.0	100	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	22.6	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	18.6	93	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	20.0	100	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	20.9	105	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	22.2	111	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	19.8	99	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	18.0	90	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	21.7	109	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	19.8	99	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	17.8	89	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	86.8	87	47-143	
2-Hexanone	ug/L	3.2 U	100	89.7	90	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	86.1	86	57-132	
Acetone	ug/L	5.3 U	100	100	100	46-148	
Acrylonitrile	ug/L	3.7 U	100	102	102	60-143	
Benzene	ug/L	0.30 U	20	20.8	104	70-130	
Bromochloromethane	ug/L	0.37 U	20	20.2	101	70-130	
Bromodichloromethane	ug/L	0.19 U	20	20.7	104	70-130	
Bromoform	ug/L	0.48 U	20	16.0	80	49-126	
Bromomethane	ug/L	8.1 U	20	8.1 U	23	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	20.4	102	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	23.3	117	63-126	
Chlorobenzene	ug/L	0.35 U	20	19.7	98	70-130	
Chloroethane	ug/L	3.7 U	20	23.6	118	71-142	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

MATRIX SPIKE SAMPLE: 3797083

Parameter	Units	35604632002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	21.0	105	70-130	
Chloromethane	ug/L	0.43 U	20	17.5	88	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	20.1	101	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	16.5	82	70-130	
Dibromochloromethane	ug/L	0.45 U	20	19.2	96	62-118	
Dibromomethane	ug/L	0.68 U	20	20.1	100	70-130	
Ethylbenzene	ug/L	0.30 U	20	19.2	96	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	36	10-164	J(v3)
Methylene Chloride	ug/L	4.4 U	20	20.5	102	65-136	
Styrene	ug/L	0.26 U	20	19.2	96	70-130	
Tetrachloroethene	ug/L	0.38 U	20	20.0	100	64-134	
Toluene	ug/L	0.33 U	20	19.0	95	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	18.7	94	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	16.4	82	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	12.4	62	42-129	J(v3)
Trichloroethene	ug/L	0.36 U	20	21.0	105	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	26.4	132	65-135	
Vinyl acetate	ug/L	1.8 U	20	15.1	76	60-144	
Vinyl chloride	ug/L	0.39 U	20	19.8	99	68-131	
Xylene (Total)	ug/L	2.1 U	60	58.6	98	70-130	
1,2-Dichlorobenzene-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				105	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 3797084

Parameter	Units	35604630001 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-Dichloroethane	ug/L	0.27 U	0.27 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	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	
Benzene	ug/L	2.6	2.7	4	40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

SAMPLE DUPLICATE: 3797084

Parameter	Units	35604630001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	8.1 U	8.1 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	6.2	6.6	6	40	
Chloroethane	ug/L	3.7 U	3.7 U		40	
Chloroform	ug/L	0.32 U	0.32 U		40	
Chloromethane	ug/L	0.43 U	0.43 U		40	
cis-1,2-Dichloroethene	ug/L	3.9	4.5	14	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	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 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	0.35 U	0.35 U		40	
Vinyl acetate	ug/L	1.8 U	1.8 U		40	
Vinyl chloride	ug/L	46.4	53.3	14	40	
Xylene (Total)	ug/L	2.1 U	2.1 U		40	
1,2-Dichlorobenzene-d4 (S)	%	102	101			
4-Bromofluorobenzene (S)	%	100	100		40	
Toluene-d8 (S)	%	100	105		40	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

QC Batch: 698907
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35605046004, 35605046005, 35605046006, 35605046007, 35605046008

METHOD BLANK: 3805823 Matrix: Water
Associated Lab Samples: 35605046004, 35605046005, 35605046006, 35605046007, 35605046008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/23/21 00:59	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/23/21 00:59	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/23/21 00:59	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/23/21 00:59	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/23/21 00:59	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/23/21 00:59	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/23/21 00:59	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	5.0	1.9	01/23/21 00:59	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	1.0	0.31	01/23/21 00:59	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/23/21 00:59	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	01/23/21 00:59	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/23/21 00:59	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/23/21 00:59	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	01/23/21 00:59	J(v2)
2-Hexanone	ug/L	3.2 U	25.0	3.2	01/23/21 00:59	J(v2)
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/23/21 00:59	J(v2)
Acetone	ug/L	5.3 U	25.0	5.3	01/23/21 00:59	
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/23/21 00:59	
Benzene	ug/L	0.30 U	1.0	0.30	01/23/21 00:59	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/23/21 00:59	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/23/21 00:59	
Bromoform	ug/L	0.48 U	3.0	0.48	01/23/21 00:59	
Bromomethane	ug/L	8.1 U	10.0	8.1	01/23/21 00:59	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/23/21 00:59	J(v1)
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/23/21 00:59	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/23/21 00:59	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/23/21 00:59	
Chloroform	ug/L	0.32 U	1.0	0.32	01/23/21 00:59	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/23/21 00:59	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/23/21 00:59	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/23/21 00:59	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/23/21 00:59	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/23/21 00:59	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/23/21 00:59	
Iodomethane	ug/L	9.3 U	10.0	9.3	01/23/21 00:59	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	01/23/21 00:59	
Styrene	ug/L	0.26 U	1.0	0.26	01/23/21 00:59	J(v2)
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/23/21 00:59	
Toluene	ug/L	0.33 U	1.0	0.33	01/23/21 00:59	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/23/21 00:59	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

METHOD BLANK: 3805823 Matrix: Water
Associated Lab Samples: 35605046004, 35605046005, 35605046006, 35605046007, 35605046008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/23/21 00:59	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/23/21 00:59	J(v2)
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/23/21 00:59	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	01/23/21 00:59	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/23/21 00:59	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/23/21 00:59	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/23/21 00:59	
1,2-Dichlorobenzene-d4 (S)	%	106	70-130		01/23/21 00:59	
4-Bromofluorobenzene (S)	%	92	70-130		01/23/21 00:59	
Toluene-d8 (S)	%	98	70-130		01/23/21 00:59	

LABORATORY CONTROL SAMPLE: 3805824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	16.9	84	70-130	
1,1,1-Trichloroethane	ug/L	20	18.1	90	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.7	88	68-125	
1,1,2-Trichloroethane	ug/L	20	17.5	87	70-130	
1,1-Dichloroethane	ug/L	20	18.9	95	70-130	
1,1-Dichloroethene	ug/L	20	22.9	114	66-133	
1,2,3-Trichloropropane	ug/L	20	17.7	88	62-127	
1,2-Dibromo-3-chloropropane	ug/L	20	16.3	81	45-137	
1,2-Dibromoethane (EDB)	ug/L	20	16.8	84	70-130	
1,2-Dichlorobenzene	ug/L	20	17.4	87	70-130	
1,2-Dichloroethane	ug/L	20	19.5	98	70-130	
1,2-Dichloropropane	ug/L	20	17.9	90	70-130	
1,4-Dichlorobenzene	ug/L	20	17.0	85	70-130	
2-Butanone (MEK)	ug/L	100	75.2	75	47-143	J(v3)
2-Hexanone	ug/L	100	72.3	72	48-145	J(v3)
4-Methyl-2-pentanone (MIBK)	ug/L	100	75.5	76	57-132	J(v3)
Acetone	ug/L	100	84.2	84	46-148	
Acrylonitrile	ug/L	100	93.6	94	60-143	
Benzene	ug/L	20	18.5	92	70-130	
Bromochloromethane	ug/L	20	17.9	90	70-130	
Bromodichloromethane	ug/L	20	18.8	94	70-130	
Bromoform	ug/L	20	17.0	85	49-126	
Bromomethane	ug/L	20	8.1 U	30	10-165	J(v3)
Carbon disulfide	ug/L	20	24.0	120	60-141	J(v1)
Carbon tetrachloride	ug/L	20	17.5	87	63-126	
Chlorobenzene	ug/L	20	17.1	86	70-130	
Chloroethane	ug/L	20	19.3	96	71-142	
Chloroform	ug/L	20	18.7	93	70-130	
Chloromethane	ug/L	20	16.9	85	40-140	
cis-1,2-Dichloroethene	ug/L	20	18.2	91	70-130	

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

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

LABORATORY CONTROL SAMPLE: 3805824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	20	17.8	89	70-130	
Dibromochloromethane	ug/L	20	16.9	84	62-118	
Dibromomethane	ug/L	20	17.3	87	70-130	
Ethylbenzene	ug/L	20	16.9	84	70-130	
Iodomethane	ug/L	20	9.3 U	30	10-164	J(v3)
Methylene Chloride	ug/L	20	21.3	106	65-136	
Styrene	ug/L	20	15.7	78	70-130	J(v3)
Tetrachloroethene	ug/L	20	17.3	86	64-134	
Toluene	ug/L	20	17.0	85	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.1	95	68-127	
trans-1,3-Dichloropropene	ug/L	20	17.3	87	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	12.9	64	42-129	J(v3)
Trichloroethene	ug/L	20	17.4	87	70-130	
Trichlorofluoromethane	ug/L	20	20.2	101	65-135	
Vinyl acetate	ug/L	20	19.2	96	60-144	
Vinyl chloride	ug/L	20	18.6	93	68-131	
Xylene (Total)	ug/L	60	51.8	86	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 3805826

Parameter	Units	35606415009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	14.9	75	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	17.4	87	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	15.2	76	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	15.4	77	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	18.3	91	70-130	
1,1-Dichloroethene	ug/L	0.59 U	20	22.4	112	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	15.0	75	62-127	
1,2-Dibromo-3-chloropropane	ug/L	1.9 U	20	14.1	70	45-137	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	20	15.1	76	70-130	
1,2-Dichlorobenzene	ug/L	0.60 U	20	14.9	75	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	17.1	86	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	17.0	85	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	14.1	71	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	65.0	65	47-143	J(v3)
2-Hexanone	ug/L	3.2 U	100	67.0	67	48-145	J(v3)
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	70.5	70	57-132	J(v3)
Acetone	ug/L	5.4 I	100	79.8	74	46-148	
Acrylonitrile	ug/L	3.7 U	100	75.2	75	60-143	
Benzene	ug/L	0.30 U	20	17.6	88	70-130	
Bromochloromethane	ug/L	0.37 U	20	16.0	80	70-130	
Bromodichloromethane	ug/L	0.19 U	20	16.3	82	70-130	

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8 East Tower Circle
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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

MATRIX SPIKE SAMPLE: 3805826

Parameter	Units	35606415009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	0.48 U	20	14.0	70	49-126	
Bromomethane	ug/L	8.1 U	20	8.1 U	29	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	22.9	114	60-141	J(v1)
Carbon tetrachloride	ug/L	0.44 U	20	16.6	83	63-126	
Chlorobenzene	ug/L	0.35 U	20	15.1	76	70-130	
Chloroethane	ug/L	3.7 U	20	18.1	91	71-142	
Chloroform	ug/L	0.32 U	20	17.3	87	70-130	
Chloromethane	ug/L	0.43 U	20	15.2	76	40-140	
cis-1,2-Dichloroethene	ug/L	0.27 U	20	17.3	87	70-130	
cis-1,3-Dichloropropene	ug/L	0.17 U	20	13.3	66	70-130	J(M1)
Dibromochloromethane	ug/L	0.45 U	20	14.5	72	62-118	
Dibromomethane	ug/L	0.68 U	20	15.6	78	70-130	
Ethylbenzene	ug/L	0.30 U	20	14.9	74	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	43	10-164	J(v3)
Methylene Chloride	ug/L	4.4 U	20	18.9	94	65-136	
Styrene	ug/L	0.26 U	20	13.2	66	70-130	J(M1),J(v3)
Tetrachloroethene	ug/L	0.38 U	20	14.2	71	64-134	
Toluene	ug/L	0.33 U	20	15.3	77	70-130	
trans-1,2-Dichloroethene	ug/L	0.23 U	20	18.0	90	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	14.7	74	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	10.2	51	42-129	J(v3)
Trichloroethene	ug/L	0.36 U	20	15.5	78	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	16.6	83	65-135	
Vinyl acetate	ug/L	1.8 U	20	12.2	61	60-144	
Vinyl chloride	ug/L	0.39 U	20	16.8	84	68-131	
Xylene (Total)	ug/L	2.1 U	60	44.9	75	70-130	
1,2-Dichlorobenzene-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 3805825

Parameter	Units	35606415008 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-Dibromo-3-chloropropane	ug/L	1.9 U	1.9 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.31 U	0.31 U		40	
1,2-Dichlorobenzene	ug/L	0.60 U	0.60 U		40	
1,2-Dichloroethane	ug/L	0.27 U	0.27 U		40	
1,2-Dichloropropane	ug/L	0.23 U	0.23 U		40	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

SAMPLE DUPLICATE: 3805825

Parameter	Units	35606415008 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dichlorobenzene	ug/L	0.28 U	0.28 U		40	
2-Butanone (MEK)	ug/L	21.0 U	21.0 U		40	J(v2)
2-Hexanone	ug/L	3.2 U	3.2 U		40	J(v2)
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	J(v2)
Acetone	ug/L	5.3 U	5.3 U		40	
Acrylonitrile	ug/L	3.7 U	3.7 U		40	
Benzene	ug/L	0.30 U	0.30 U		40	
Bromochloromethane	ug/L	0.37 U	0.37 U		40	
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	8.1 U	8.1 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	0.32 U	0.32 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	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 U		40	
Styrene	ug/L	0.26 U	0.26 U		40	J(v2)
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	0.35 U	0.35 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)	%	106	107			
4-Bromofluorobenzene (S)	%	91	93		40	
Toluene-d8 (S)	%	100	98		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

QC Batch: 699521
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35605046003

METHOD BLANK: 3809305 Matrix: Water
Associated Lab Samples: 35605046003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	1.0	0.32	01/25/21 22:52	
1,1,1-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/25/21 22:52	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	1.0	0.59	01/25/21 22:52	
1,1,2-Trichloroethane	ug/L	0.30 U	1.0	0.30	01/25/21 22:52	
1,1-Dichloroethane	ug/L	0.34 U	1.0	0.34	01/25/21 22:52	
1,1-Dichloroethene	ug/L	0.59 U	1.0	0.59	01/25/21 22:52	
1,2,3-Trichloropropane	ug/L	0.53 U	2.0	0.53	01/25/21 22:52	
1,2-Dichlorobenzene	ug/L	0.60 U	1.0	0.60	01/25/21 22:52	
1,2-Dichloroethane	ug/L	0.27 U	1.0	0.27	01/25/21 22:52	
1,2-Dichloropropane	ug/L	0.23 U	1.0	0.23	01/25/21 22:52	
1,4-Dichlorobenzene	ug/L	0.28 U	1.0	0.28	01/25/21 22:52	
2-Butanone (MEK)	ug/L	21.0 U	50.0	21.0	01/25/21 22:52	
2-Hexanone	ug/L	3.2 U	25.0	3.2	01/25/21 22:52	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	25.0	7.5	01/25/21 22:52	
Acetone	ug/L	5.3 U	25.0	5.3	01/25/21 22:52	J(v1)
Acrylonitrile	ug/L	3.7 U	20.0	3.7	01/25/21 22:52	
Benzene	ug/L	0.30 U	1.0	0.30	01/25/21 22:52	
Bromochloromethane	ug/L	0.37 U	1.0	0.37	01/25/21 22:52	
Bromodichloromethane	ug/L	0.19 U	1.0	0.19	01/25/21 22:52	
Bromoform	ug/L	0.48 U	3.0	0.48	01/25/21 22:52	
Bromomethane	ug/L	8.1 U	10.0	8.1	01/25/21 22:52	J(v2)
Carbon disulfide	ug/L	1.8 U	10.0	1.8	01/25/21 22:52	
Carbon tetrachloride	ug/L	0.44 U	3.0	0.44	01/25/21 22:52	
Chlorobenzene	ug/L	0.35 U	1.0	0.35	01/25/21 22:52	
Chloroethane	ug/L	3.7 U	10.0	3.7	01/25/21 22:52	
Chloroform	ug/L	0.32 U	1.0	0.32	01/25/21 22:52	
Chloromethane	ug/L	0.43 U	1.0	0.43	01/25/21 22:52	
cis-1,2-Dichloroethene	ug/L	0.27 U	1.0	0.27	01/25/21 22:52	
cis-1,3-Dichloropropene	ug/L	0.17 U	1.0	0.17	01/25/21 22:52	
Dibromochloromethane	ug/L	0.45 U	2.0	0.45	01/25/21 22:52	
Dibromomethane	ug/L	0.68 U	2.0	0.68	01/25/21 22:52	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	01/25/21 22:52	
Iodomethane	ug/L	9.3 U	10.0	9.3	01/25/21 22:52	J(v2)
Methylene Chloride	ug/L	4.4 U	5.0	4.4	01/25/21 22:52	
Styrene	ug/L	0.26 U	1.0	0.26	01/25/21 22:52	
Tetrachloroethene	ug/L	0.38 U	1.0	0.38	01/25/21 22:52	
Toluene	ug/L	0.33 U	1.0	0.33	01/25/21 22:52	
trans-1,2-Dichloroethene	ug/L	0.23 U	1.0	0.23	01/25/21 22:52	
trans-1,3-Dichloropropene	ug/L	0.37 U	1.0	0.37	01/25/21 22:52	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	10.0	2.5	01/25/21 22:52	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

METHOD BLANK: 3809305 Matrix: Water
Associated Lab Samples: 35605046003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.36 U	1.0	0.36	01/25/21 22:52	
Trichlorofluoromethane	ug/L	0.35 U	1.0	0.35	01/25/21 22:52	
Vinyl acetate	ug/L	1.8 U	10.0	1.8	01/25/21 22:52	
Vinyl chloride	ug/L	0.39 U	1.0	0.39	01/25/21 22:52	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	01/25/21 22:52	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130		01/25/21 22:52	
4-Bromofluorobenzene (S)	%	101	70-130		01/25/21 22:52	
Toluene-d8 (S)	%	98	70-130		01/25/21 22:52	

LABORATORY CONTROL SAMPLE: 3809306

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.9	99	70-130	
1,1,1-Trichloroethane	ug/L	20	21.3	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.3	101	68-125	
1,1,2-Trichloroethane	ug/L	20	20.9	105	70-130	
1,1-Dichloroethane	ug/L	20	20.2	101	70-130	
1,1-Dichloroethene	ug/L	20	22.5	112	66-133	
1,2,3-Trichloropropane	ug/L	20	21.2	106	62-127	
1,2-Dichlorobenzene	ug/L	20	19.5	98	70-130	
1,2-Dichloroethane	ug/L	20	22.2	111	70-130	
1,2-Dichloropropane	ug/L	20	20.1	100	70-130	
1,4-Dichlorobenzene	ug/L	20	19.7	98	70-130	
2-Butanone (MEK)	ug/L	100	111	111	47-143	
2-Hexanone	ug/L	100	95.2	95	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	88.0	88	57-132	
Acetone	ug/L	100	136	136	46-148	J(v1)
Acrylonitrile	ug/L	100	113	113	60-143	
Benzene	ug/L	20	20.7	103	70-130	
Bromochloromethane	ug/L	20	20.6	103	70-130	
Bromodichloromethane	ug/L	20	21.0	105	70-130	
Bromoform	ug/L	20	16.7	83	49-126	
Bromomethane	ug/L	20	8.1 I	41	10-165	J(v3)
Carbon disulfide	ug/L	20	19.1	95	60-141	
Carbon tetrachloride	ug/L	20	20.6	103	63-126	
Chlorobenzene	ug/L	20	19.9	100	70-130	
Chloroethane	ug/L	20	22.6	113	71-142	
Chloroform	ug/L	20	20.8	104	70-130	
Chloromethane	ug/L	20	16.2	81	40-140	
cis-1,2-Dichloroethene	ug/L	20	19.7	98	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.5	103	70-130	
Dibromochloromethane	ug/L	20	19.2	96	62-118	
Dibromomethane	ug/L	20	21.3	106	70-130	
Ethylbenzene	ug/L	20	19.2	96	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

LABORATORY CONTROL SAMPLE: 3809306

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	20	9.3 U	27	10-164	J(v3)
Methylene Chloride	ug/L	20	21.5	107	65-136	
Styrene	ug/L	20	20.2	101	70-130	
Tetrachloroethene	ug/L	20	20.9	105	64-134	
Toluene	ug/L	20	18.8	94	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.8	99	68-127	
trans-1,3-Dichloropropene	ug/L	20	17.9	90	65-121	
trans-1,4-Dichloro-2-butene	ug/L	20	16.3	81	42-129	
Trichloroethene	ug/L	20	21.1	106	70-130	
Trichlorofluoromethane	ug/L	20	23.5	117	65-135	
Vinyl acetate	ug/L	20	21.6	108	60-144	
Vinyl chloride	ug/L	20	19.0	95	68-131	
Xylene (Total)	ug/L	60	59.5	99	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 3809308

Parameter	Units	35605383001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.32 U	20	17.8	89	70-130	
1,1,1-Trichloroethane	ug/L	0.30 U	20	21.1	105	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.59 U	20	17.2	86	68-125	
1,1,2-Trichloroethane	ug/L	0.30 U	20	18.5	92	70-130	
1,1-Dichloroethane	ug/L	0.34 U	20	19.6	98	70-130	
1,1-Dichloroethene	ug/L	44.7	20	63.3	93	66-133	
1,2,3-Trichloropropane	ug/L	0.53 U	20	17.8	89	62-127	
1,2-Dichlorobenzene	ug/L	0.60 U	20	16.8	84	70-130	
1,2-Dichloroethane	ug/L	0.27 U	20	20.8	104	70-130	
1,2-Dichloropropane	ug/L	0.23 U	20	18.4	92	70-130	
1,4-Dichlorobenzene	ug/L	0.28 U	20	16.9	84	70-130	
2-Butanone (MEK)	ug/L	21.0 U	100	90.6	91	47-143	
2-Hexanone	ug/L	3.2 U	100	80.2	80	48-145	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	100	75.9	76	57-132	
Acetone	ug/L	5.3 U	100	107	107	46-148	J(v1)
Acrylonitrile	ug/L	3.7 U	100	103	103	60-143	
Benzene	ug/L	1.4	20	20.9	97	70-130	
Bromochloromethane	ug/L	0.37 U	20	19.1	95	70-130	
Bromodichloromethane	ug/L	0.19 U	20	19.6	98	70-130	
Bromoform	ug/L	0.48 U	20	14.3	71	49-126	
Bromomethane	ug/L	8.1 U	20	8.1 U	25	10-165	J(v3)
Carbon disulfide	ug/L	1.8 U	20	18.7	93	60-141	
Carbon tetrachloride	ug/L	0.44 U	20	20.1	100	63-126	
Chlorobenzene	ug/L	0.83 I	20	18.6	89	70-130	
Chloroethane	ug/L	3.7 U	20	20.6	103	71-142	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

MATRIX SPIKE SAMPLE: 3809308

Parameter	Units	35605383001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	0.32 U	20	19.8	99	70-130	
Chloromethane	ug/L	0.43 U	20	15.2	76	40-140	
cis-1,2-Dichloroethene	ug/L	1370	20	1490	611	70-130	L
cis-1,3-Dichloropropene	ug/L	0.17 U	20	16.0	80	70-130	
Dibromochloromethane	ug/L	0.45 U	20	17.4	87	62-118	
Dibromomethane	ug/L	0.68 U	20	19.1	96	70-130	
Ethylbenzene	ug/L	0.30 U	20	17.5	86	70-130	
Iodomethane	ug/L	9.3 U	20	9.3 U	23	10-164	J(v3)
Methylene Chloride	ug/L	4.4 U	20	19.5	98	65-136	
Styrene	ug/L	0.26 U	20	17.5	88	70-130	
Tetrachloroethene	ug/L	0.38 U	20	18.6	93	64-134	
Toluene	ug/L	4.4	20	21.8	87	70-130	
trans-1,2-Dichloroethene	ug/L	2.6	20	21.4	94	68-127	
trans-1,3-Dichloropropene	ug/L	0.37 U	20	15.8	79	65-121	
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	20	11.9	60	42-129	
Trichloroethene	ug/L	0.36 U	20	19.7	98	70-130	
Trichlorofluoromethane	ug/L	0.35 U	20	23.3	117	65-135	
Vinyl acetate	ug/L	1.8 U	20	16.7	84	60-144	
Vinyl chloride	ug/L	2440	20	2350	-461	68-131	L
Xylene (Total)	ug/L	2.1 U	60	53.5	89	70-130	
1,2-Dichlorobenzene-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 3809307

Parameter	Units	35605475001 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-Dichloroethane	ug/L	0.27 U	0.27 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	21.0 U	21.0 U		40	
2-Hexanone	ug/L	3.2 U	3.2 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	7.5 U	7.5 U		40	
Acetone	ug/L	5.3 U	5.3 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	

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

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

SAMPLE DUPLICATE: 3809307

Parameter	Units	35605475001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	0.19 U	0.19 U		40	
Bromoform	ug/L	0.48 U	0.48 U		40	
Bromomethane	ug/L	8.1 U	8.1 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	0.32 U	0.32 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	9.3 U	9.3 U		40	J(v2)
Methylene Chloride	ug/L	4.4 U	4.4 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	0.35 U	0.35 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)	%	105	105			
4-Bromofluorobenzene (S)	%	99	101		40	
Toluene-d8 (S)	%	98	98		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

QC Batch: 697401
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: 8011 EDB DBCP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35605046001, 35605046002, 35605046003, 35605046004, 35605046005, 35605046006, 35605046007

METHOD BLANK: 3797093 Matrix: Water
Associated Lab Samples: 35605046001, 35605046002, 35605046003, 35605046004, 35605046005, 35605046006, 35605046007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	01/18/21 14:15	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	01/18/21 14:15	

LABORATORY CONTROL SAMPLE: 3797094

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.26	103	60-140	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.25	101	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3797095 3797096

Parameter	Units	35604780001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.44	0.44	0.55	0.50	125	114	60-140	9	40	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.44	0.44	0.52	0.48	119	109	60-140	8	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

QC Batch: 698104 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35605046001, 35605046002, 35605046003, 35605046004, 35605046005, 35605046006, 35605046007

METHOD BLANK: 3800129 Matrix: Water
Associated Lab Samples: 35605046001, 35605046002, 35605046003, 35605046004, 35605046005, 35605046006, 35605046007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	01/20/21 14:14	

LABORATORY CONTROL SAMPLE: 3800130

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	294	98	90-110	

SAMPLE DUPLICATE: 3800131

Parameter	Units	35604632005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	713	718	1	10	

SAMPLE DUPLICATE: 3800132

Parameter	Units	35604508001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	40.0	39.0	3	10	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

QC Batch: 699454
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: 35605046001, 35605046002, 35605046003

METHOD BLANK: 3808740 Matrix: Water
Associated Lab Samples: 35605046001, 35605046002, 35605046003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	01/25/21 14:39	

LABORATORY CONTROL SAMPLE: 3808741

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.3	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3808742 3808743

Parameter	Units	50277726001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	28.1	50	50	83.5	82.0	111	108	90-110	2	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3808744 3808745

Parameter	Units	35606406001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	39.0	50	50	95.9	93.7	114	109	90-110	2	20	J(M1)

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

QC Batch: 699458
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: 35605046004, 35605046005, 35605046006, 35605046007

METHOD BLANK: 3808782 Matrix: Water
Associated Lab Samples: 35605046004, 35605046005, 35605046006, 35605046007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	01/26/21 01:30	

LABORATORY CONTROL SAMPLE: 3808783

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3808784 3808785

Parameter	Units	35605046004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	29.4	50	50	83.8	84.8	109	111	90-110	1	20	J(M1)

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

QC Batch: 697480
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: 35605046001, 35605046002, 35605046003, 35605046004, 35605046005, 35605046006, 35605046007

METHOD BLANK: 3797284 Matrix: Water
Associated Lab Samples: 35605046001, 35605046002, 35605046003, 35605046004, 35605046005, 35605046006, 35605046007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.035 U	0.050	0.035	01/18/21 12:24	

LABORATORY CONTROL SAMPLE: 3797285

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3797287 3797286

Parameter	Units	35604990003 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	0.24	1	1	1.3	1.3	105	104	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3797288 3797289

Parameter	Units	35605151001 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	103	103	90-110	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

QC Batch: 697186
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: 35605046001, 35605046002, 35605046003, 35605046004, 35605046005, 35605046006, 35605046007

METHOD BLANK: 3796167
Matrix: Water
Associated Lab Samples: 35605046001, 35605046002, 35605046003, 35605046004, 35605046005, 35605046006, 35605046007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	01/15/21 20:06	

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(386)672-5668

QUALIFIERS

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

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.

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(IR)	Estimated Value. The internal standard recovery associated with this result exceeds the upper 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(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: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35605046002	**B85**				
35605046003	**B85-6**				
35605046004	**B87-6**				
35605046005	**FA-2C**				
35605046006	**F-MB**				
35605046007	**B64**				
35605046001	**EQ Blank 1/15/21**	EPA 8011	697401	EPA 8011	697518
35605046002	**B85**	EPA 8011	697401	EPA 8011	697518
35605046003	**B85-6**	EPA 8011	697401	EPA 8011	697518
35605046004	**B87-6**	EPA 8011	697401	EPA 8011	697518
35605046005	**FA-2C**	EPA 8011	697401	EPA 8011	697518
35605046006	**F-MB**	EPA 8011	697401	EPA 8011	697518
35605046007	**B64**	EPA 8011	697401	EPA 8011	697518
35605046001	**EQ Blank 1/15/21**	EPA 3010	697421	EPA 6010	697512
35605046002	**B85**	EPA 3010	697421	EPA 6010	697512
35605046003	**B85-6**	EPA 3010	697421	EPA 6010	697512
35605046004	**B87-6**	EPA 3010	697421	EPA 6010	697512
35605046005	**FA-2C**	EPA 3010	697421	EPA 6010	697512
35605046006	**F-MB**	EPA 3010	697421	EPA 6010	697512
35605046007	**B64**	EPA 3010	697421	EPA 6010	697512
35605046001	**EQ Blank 1/15/21**	EPA 3010	697420	EPA 6020	697513
35605046002	**B85**	EPA 3010	697420	EPA 6020	697513
35605046003	**B85-6**	EPA 3010	697420	EPA 6020	697513
35605046004	**B87-6**	EPA 3010	697420	EPA 6020	697513
35605046005	**FA-2C**	EPA 3010	697420	EPA 6020	697513
35605046006	**F-MB**	EPA 3010	697420	EPA 6020	697513
35605046007	**B64**	EPA 3010	697420	EPA 6020	697513
35605046001	**EQ Blank 1/15/21**	EPA 7470	698391	EPA 7470	698579
35605046002	**B85**	EPA 7470	698391	EPA 7470	698579
35605046003	**B85-6**	EPA 7470	698391	EPA 7470	698579
35605046004	**B87-6**	EPA 7470	698391	EPA 7470	698579
35605046005	**FA-2C**	EPA 7470	698391	EPA 7470	698579
35605046006	**F-MB**	EPA 7470	698391	EPA 7470	698579
35605046007	**B64**	EPA 7470	698391	EPA 7470	698579
35605046001	**EQ Blank 1/15/21**	EPA 8260	697388		
35605046002	**B85**	EPA 8260	697388		
35605046003	**B85-6**	EPA 8260	699521		
35605046004	**B87-6**	EPA 8260	698907		
35605046005	**FA-2C**	EPA 8260	698907		
35605046006	**F-MB**	EPA 8260	698907		
35605046007	**B64**	EPA 8260	698907		
35605046008	**TRIP BLANK 1/15/21**	EPA 8260	698907		
35605046001	**EQ Blank 1/15/21**	SM 2540C	698104		
35605046002	**B85**	SM 2540C	698104		
35605046003	**B85-6**	SM 2540C	698104		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual MWs
Pace Project No.: 35605046

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35605046004	**B87-6**	SM 2540C	698104		
35605046005	**FA-2C**	SM 2540C	698104		
35605046006	**F-MB**	SM 2540C	698104		
35605046007	**B64**	SM 2540C	698104		
35605046001	**EQ Blank 1/15/21**	EPA 300.0	699454		
35605046002	**B85**	EPA 300.0	699454		
35605046003	**B85-6**	EPA 300.0	699454		
35605046004	**B87-6**	EPA 300.0	699458		
35605046005	**FA-2C**	EPA 300.0	699458		
35605046006	**F-MB**	EPA 300.0	699458		
35605046007	**B64**	EPA 300.0	699458		
35605046001	**EQ Blank 1/15/21**	EPA 350.1	697480		
35605046002	**B85**	EPA 350.1	697480		
35605046003	**B85-6**	EPA 350.1	697480		
35605046004	**B87-6**	EPA 350.1	697480		
35605046005	**FA-2C**	EPA 350.1	697480		
35605046006	**F-MB**	EPA 350.1	697480		
35605046007	**B64**	EPA 350.1	697480		
35605046001	**EQ Blank 1/15/21**	EPA 353.2	697186		
35605046002	**B85**	EPA 353.2	697186		
35605046003	**B85-6**	EPA 353.2	697186		
35605046004	**B87-6**	EPA 353.2	697186		
35605046005	**FA-2C**	EPA 353.2	697186		
35605046006	**F-MB**	EPA 353.2	697186		
35605046007	**B64**	EPA 353.2	697186		

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WO# : 35605046

35605046

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section B Required Project Information:		Section C Invoice Information:	
Company: Volusia County Solid Waste Management	Report To: Jennifer Stirk	Attention:	
Address: 1990 Tomoka Farms Road	Copy To:	Company Name:	
Port Orange, FL 32128		Address:	
Email: jstirk@volusia.org	Purchase Order #:	Pace Quote:	
Phone: (386)947-2952 Fax:	Project Name: Tomoka LF Semi-annual MWs	Pace Project Manager: jeff.baylor@pacelabs.com,	
Requested Due Date:	Project #:	Pace Profile #: 1590, Line 1	

Regulatory Agency

State / Location

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	TDS, NO3, Cl	ammonia	Metals by 6010/6020/Hg	EDB 8011	8260 VOCs Full List	Trip Blank DO NOT OPEN -	Residual Chlorine (Y/N)
1	EQ					1-15-21	1115												✓	✓	✓	✓	✓			
2	B 85						1140																			
3	B 85-6						1218																			
4	B 87-6						1308																			
5	FA 2C						1350																			
6	F-MB						1432																			
7	B 64						1331																			
8	Trip Blank						0000																	✓		
9																										
10																										
11																										
12																										

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Empty Bottles	RP Bottle Prep	11/9/20	1006							
		1-15-21	1530	SMK/PACE	1-15-21	1530	7.2	Y	N	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: DAVID FAY

SIGNATURE of SAMPLER: [signature] DATE Signed: 1-15-21

Sample Condition Upon Receipt Form (SCUR)

Project # WO#: 35605046

Project Manager: PM: JSB **Due Date:** 01/29/21

Client: CLIENT: VOLDPW

Date and Initials of person:
Examining contents: SMA
Label:
Deliver:
pH:

Thermometer Used: T-338 Date: 1/15/21 Time: 1529 Initials: KMF

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

Cooler #1 Temp.°C	4.9 (Visual)	+0.3 (Correction Factor)	7.2 (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

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

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

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

Tracking #

Custody Seal on Cooler/Box Present: ☐ Yes ☐ No **Seals intact:** ☐ Yes ☐ No **Ice:** (Wet) Blue Dry None

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

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

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

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

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:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Stmi Annual
WELL NO:	EG	SAMPLE ID:	EG
DATE:	1-15-21		

PURGING DATA

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

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

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

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

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

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

SAMPLING DATA

SAMPLER BY (PRINT) / AFFILIATION: DBJP FC/PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1115	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	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)
	1	PE	1060	ICE			TDS, NO3, Cl	ESP	<400
	1	1	250	H_2SO_4			6010 6020 Hg		
	1		1	H_2SO_4			NH3		
	3	CG	40	ICE			8260 8011		
	3	1	1	HCl			8260 FULLIST		

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:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Semi Annual
WELL NO:	B 85	SAMPLE ID:	B 85
		DATE:	1-15-21

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	3/8		6.05	ESP

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

= (43.30 feet – 6.05 feet) X 0.16 gallons/foot = 5.96 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):
7	7	1128	1140	9.0

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)
1136	6.0	6.0	.75	6.20	6.51	22.8	1729	0.72	7.44	Yellow	Sulfur
1138	1.5	7.5	.75	6.20	6.51	22.7	1740	0.61	14.3		
1140	1.5	9.0	.75	6.20	6.50	22.7	1741	6.53	12.7	/	/

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:
DMD ICE / PACE		1140	1143

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

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)
	1	PE	1000	ICE		6.50	TDS, NO3, Cl	ESP	400
	1	1	250	HNO3		<2	6010 6020 Hg	/	/
	1	1	1	H2SO4		<2	NH3		
	2	CG	40	ICE		6.50	EMB 8011		
	3	1	1	HCL		<2	8260 Full List		

REMARKS: ORP -36.3 ORP -44.7 ORP -45.4

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:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Semi Annual
WELL NO:	B 85-6	SAMPLE ID:	B-85-6
DATE:	1-15-21		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.1	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)
= (54.45 feet – 6.1 feet) X 0.16 gallons/foot = 7.736 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	7	PURGING INITIATED AT:	1156	PURGING ENDED AT:	1218	TOTAL VOLUME PURGED (gallons):	17.6

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)
1206	8.0	8.0	.80	6.5	6.43	22.6	2006	0.35	27.7	Yellow	sulfur
1209	2.4	10.4	.80	6.5	6.42	22.6	2061	0.31	26.5		
1212	2.4	12.8	.80	6.5	6.40	22.6	2097	0.28	19.0		
1215	2.4	15.2	.80	6.5	6.40	22.6	2104	0.26	15.8		
1218	2.4	17.6	.80	6.5	6.40	22.6	2116	0.25	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:	DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	1218	SAMPLING ENDED AT:	1231

PUMP OR TUBING DEPTH IN WELL (feet):	7	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)
	1	PE	1000	ICE		6.40	TDS, NO3, Cl	ESP	200
	1	1	250	HNO3		<2	6010 6020 Hg		
	1	1	1	H2SO4		<2	NH3		
	2	CG	40	ICE		6.40	8260 8011		
	3	1	1	HCl		<2	8260 EDB List		

REMARKS: ORP -53.7 ORP -54.8 ORP -57.2 ORP -58.0 ORP

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi Annual MW's	
WELL NO: B 87-6	SAMPLE ID: B 87-6	DATE: 1-15-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 8.65	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)
= (53.10 feet – 8.65 feet) X 0.16 gallons/foot = 7.112 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: 1256	PURGING ENDED AT: 1308	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 mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1304	8.0	8.0	1.00	9.38	6.67	23.1	687	0.36	19.3	clear	Sulfur
1306	2.0	10.00	1.00	9.38	6.68	23.1	689	0.33	17.1	1	1
1308	2.2	12.00	1.00	9.38	6.69	23.1	694	0.28	13.6	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: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1308	SAMPLING ENDED AT: 1311
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)
	1	PE	1000	ICE		6.69	TDS, NO3, Cl	ESP	400
	1	1	250	H_2SO_4		<2	6010 6020 Hg	1	1
	1	1	1	H_2SO_4		<2	NH_3		
	2	CG	40	ICE		6.69	RSK 8011		
	3	1	1	HCl		<2	8260 Full List		

REMARKS: ORP -65.9 ORP -66.7 ORP -68.8

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: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi Annual MW's	
WELL NO: FA 2C	SAMPLE ID: FA 2C	DATE: 1-15-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.5	PURGE PUMP TYPE OR BAILER: ESP

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

= (74.20 feet – 10.5 feet) X 0.16 gallons/foot = 10.272 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13	PURGING INITIATED AT: 1332	PURGING ENDED AT: 1350	TOTAL VOLUME PURGED (gallons): 20.50

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)
1341	11.25	11.25	1.25	11.8	8.05	22.1	703	0.80	2.61	Yellow	Sulfur
1344	3.25	15.0	1.25	11.8	7.50	22.1	706	0.19	2.54		
1347	3.75	18.75	1.25	11.8	7.40	22.0	709	0.12	0.76		
1350	3.75	22.50	1.25	11.8	7.32	22.0	711	0.16	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: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1350	SAMPLING ENDED AT: 1353
PUMP OR TUBING DEPTH IN WELL (feet): 13	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)
	1	PE	1000	ICE		7.32	TDS, NO3, Cl	ESP	200
	1	|	250	HNO3		<2	6010, 6020, Hg	|	|
	1	|	1	H2SO4		<2	NH3	|	|
	2	CG	40	ICE		7.32	EDB, DOC	|	|
	3	1	1	HCl		<2	8260 Full List	|	|

REMARKS: ORP -152.2 ORP -108.1 ORP -101.7 ORP -100.3

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)

Book Number:

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:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Semi Annual
WELL NO:	F-MB	SAMPLE ID:	F-MB
DATE:	1-15-21		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 13.37	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)
= (101.1 feet – 13.37 feet) X 0.16 gallons/foot = 14.0368 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	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	16	PURGING INITIATED AT:	1415	PURGING ENDED AT:	1432	TOTAL VOLUME PURGED (gallons):	22.1

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)
1426	14.3	14.3	1.30	15.58	7.04	23.7	621	0.36	8.92	CLEAR	NONE
1429	3.9	18.2	1.30	15.58	7.01	23.6	624	0.20	19.2	1	1
1432	3.9	22.1	1.30	15.58	6.99	23.5	623	0.24	19.1	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:	DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	1432	SAMPLING ENDED AT:	1435
PUMP OR TUBING DEPTH IN WELL (feet):	16	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)
	1	PE	1000	ICE		6.99	TDS, NO3, Cl	ESP	400
	1	1	250	HNO_3		<2	6010, 6020, Hg	1	1
	1		1	H_2SO_4		<2	NH3		
	2	CG	40	ICE		6.99	EDB 8011		
	3	1	1	HCl		<2	8260 FULL LIST		

REMARKS: ORP -61.3 ORP -59.6 ORP -59.4

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: Volusia County SOLID WASTE	SITE LOCATION: TOMOKA LF SEMI	
WELL NO: B 64	SAMPLE ID: B-64	DATE: 1-15-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 1.60	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)
= (17.47 feet − 1.60 feet) X 0.16 gallons/foot = 2.5424 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 4	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 4	PURGING INITIATED AT: 13:10	PURGING ENDED AT: 13:31	TOTAL VOLUME PURGED (gallons): 4.20

TIME 13 4	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)
13:23	2.60	2.60	.20	2.72	6.38	20.5	567	0.43	15.7	yellow	sulfer
13:27	0.80	3.40	.20	2.72	6.36	20.5	565	0.44	12.4	"	"
13:31	0.80	4.20	.40	2.72	6.38	20.5	565	0.45	10.4	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Bruce Foster	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:31	SAMPLING ENDED AT: 13:37
PUMP OR TUBING DEPTH IN WELL (feet): 4	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)
	1	PE	1000	ICE			TDS NO3 Cl	APP	< 400
	1	1	250	HNO3			6010 6020 Hg		
	1	1	1	H2SO4			NH3		
	2	CG	40	ICE			8011		
	3	1	1	HCl			8260		

REMARKS:
ORP −28.1 −28.9 −29.8

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)

FIELD INSTRUMENT CALIBRATION LOGS

Pace Analytical	Document Name: Field Sampling Calibration Log	Date Revised: September 19, 2018
	Document Number: F-FL-C-027 rev.01	Issuing Authority: Pace Florida Quality Office

Field Calibration Log

WATER LEVELS

Client: Volusia County SOLID	Location/site:	Project Name: TOMOKA LF SEMI	Date: 11-5-21
Sampling Technician/Company: BRUCE FOSTER		Pre Sample Time: 6.35	Post Sample Time: 16:05

YSI / HACH

031784C	Meter ID:	Dissolved Oxygen: ✓	pH: ✓	ORP: ✓	Other:
18070C	069135	Specific Conductance: ✓	Turbidity: ✓	Temperature: ✓	Other:

Parameter	Calib. Std Lot #	Calib. Std Exp. Date	Calib. Std True Value	Pre Calib. Reading	Calibration Reading	Time	Qualifier Pass(P) Fail(F)	ICV	Time	Qualifier Pass(P) Fail(F)	CCV	Time	Qualifier Pass(P) Fail(F)
Dissolved Oxygen (mg/L)	N/A	N/A	N/A mg/L @ N/A °C	12.37	9.95	6:41	N/A	10.58	7:11	N/A	6.73	16:11	N/A
Temperature (°C)	N/A	N/A		~~15.0~~ mg/L @ °C	~~15.6~~ mg/L @ °C	1	N/A	~~10.2~~ mg/L @ °C	1	N/A	~~21.7~~ mg/L @ °C	1	N/A
% Dissolved Oxygen	N/A	N/A		124.3	99.9	1	P	99.0	1	P	78.8	1	P
pH (Units)	359588	6-22	7.00	7.09	7.00	6:45	P						
pH (Units)	359587	4-22	4.00	4.36	4.01	6:51	P						
pH (Units)	359589	1	10.00	10.53	10.12	6:57	P						
pH (Units)	359600	8-21	6.00					6.04	7:17	P	6.02	1616	P
Specific Conductance (umhos)	359590	6-21	1413	1429	1413	7:04	P						
Specific Conductance (umhos)	06F326	1	10 ℓ					101	7:21	P	103	1621	P
Specific Conductance (umhos)	359594		10000/50,000					9921	7:25	P	9764	1627	P
Turbidity (NTU)	358701	11-22	20	20.1	All	7:00	P						
Turbidity (NTU)	358702	12-21	100	100.	900 d	7:03	P						
Turbidity (NTU)	359703	1	800	798.0		7:05	P						
Turbidity (NTU)	359704	1-22	10					10.2	7:08	P	10.3	1620	P
Other: ORP	20% 100%	1.25			7.6	7:28	P	7.6	7:32	P	16.6	1632	P
Other:					287.6	1	P	255.0	1	P	286.6	1	P
Other:													

Data Qualifier Codes

J5	The data are questionable because of improper lab or field protocols (e.g., composite sample was collected instead of a grab sample).
J6	The field calib. verification did not meet calib. acceptance criteria.
E	Indicates that extra samples were taken at composite stations.
R	Significant rain in the past 48 hours. (Significant rain involves rain in excess of ½ inch within the past 48 hours). This code shall be used when the rainfall might contribute to a lower than normal value.
I	Data deviate from historically established concentration ranges.

Acceptance Criteria

DO ± 0.3 mg/L	
Specific Conductance ± 5%	
pH ± 0.2 pH Units	
Temperature ± 0.2 °C	
Turbidity	0.1-10 NTU: ± 10% 11-40 NTU: ± 8% 41-100 NTU: ±6.5% >100: ± 5%
Residual Chlorine: ±10% of primary standard value—*color comparator*	

Maintenance & Notes

Note: If a Calibration was completed on a previous day(s), that page # will be recorded in the measurement field as: "P#"

Specific Conductance Probe Cleaned? Yes / No	Weekly pH Slope	

Dissolved Oxygen Membrane Changed? Yes / No

Reviewed By:	Date:

Pace Analytical	Document Name: Field Sampling Calibration Log	Date Revised: September 19, 2018
	Document Number: F-FL-C-027 rev.01	Issuing Authority: Pace Florida Quality Office

Field Calibration Log

Client: Volusia County Solid Waste	Location/site:	Project Name: Tomoka LF Semi Annual	Date: 1-6-21
Sampling Technician/Company: DAVID ICE		Pre Sample Time: 645	Post Sample Time: 1645

YSI / HACH

3077 Meter ID:	Dissolved Oxygen: ✓	pH: ✓	ORP: ✓	Other:
5033	Specific Conductance: ✓	Turbidity: ✓	Temperature: ✓	Other:

Parameter	Calib. Std Lot #	Calib. Std Exp. Date	Calib. Std True Value	Pre Calib. Reading	Calibration Reading	Time	Qualifier Pass(P) Fail(F)	ICV	Time	Qualifier Pass(P) Fail(F)	CCV	Time	Qualifier Pass(P) Fail(F)
Dissolved Oxygen (mg/L)	N/A	N/A	N/A mg/L @ N/A °C	9.22 mg/L @ 16.4 °C	9.77 mg/L @ 16.4 °C	648	N/A	10.64 mg/L @ 16.8 °C	735	N/A	5.05 mg/L @ 23.8 °C	1648	N/A
Temperature (°C)	N/A	N/A				/	N/A	/	/	N/A	/	/	N/A
% Dissolved Oxygen	N/A	N/A		94.1	100.0	/	P	107.6	/	P	61.1	/	P
pH (Units)	359588	6-22	7.00	7.03	7.00	651	P						
pH (Units)	359587	4-22	4.00	4.16	4.00	654	P						
pH (Units)	359589	1	10.00	10.01	10.00	659	P						
pH (Units)	FS554	7-21	6.00					6.14	715	P	6.03	1653	P
Specific Conductance (umhos)	359590	6-21	1413	1433	1413	704	P						
Specific Conductance (umhos)	OGF226	1	100					104.2	707	P	101.9	1656	P
Specific Conductance (umhos)	359594		10000/50,000					9802	710	P	9813	1659	P
Turbidity (NTU)	359781	11-22	20	19.0	19.2	710	P						
Turbidity (NTU)	359782	12-21	100	94.6	97.1	712	P						
Turbidity (NTU)	359784	1	800	788	796	714	P						
Turbidity (NTU)	359780	1-22	10					10.2	717	P	9.5	1650	P
Other: ORP			240	248.2	243	728	P	244.	731	P	232.4	~~1646~~ DC	
Other:					T 160							1709	P
Other:													

Data Qualifier Codes

J5	The data are questionable because of improper lab or field protocols (e.g., composite sample was collected instead of a grab sample).
J6	The field calib. verification did not meet calib. acceptance criteria.
E	Indicates that extra samples were taken at composite stations.
R	Significant rain in the past 48 hours. (Significant rain involves rain in excess of ½ inch within the past 48 hours). This code shall be used when the rainfall might contribute to a lower than normal value.
!	Data deviate from historically established concentration ranges.

Acceptance Criteria

DO ± 0.3 mg/L	
Specific Conductance ± 5%	
pH ± 0.2 pH Units	
Temperature ± 0.2 °C	
Turbidity	0.1-10 NTU: ± 10% 11-40 NTU: ± 8% 41-100 NTU: ±6.5% >100: ± 5%
Residual Chlorine: ±10% of primary standard value–*color comparator*	

Maintenance & Notes

Note: If a Calibration was completed on a previous day(s), that page # will be recorded in the measurement field as: "P#"

Specific Conductance Probe Cleaned? Yes / No	Weekly pH Slope	
Dissolved Oxygen Membrane Changed? Yes / No		

Reviewed By:	Date:

Pace Analytical	Document Name: Field Sampling Calibration Log	Date Revised: September 19, 2016
	Document Number: F-FL-C-027 rev.01	Issuing Authority: Pace Florida Quality Office

Field Calibration Log

Client: Volusia County Solid Waste	Location/site:	Project Name: Tomoka LF Stn Annual	Date: 1-7-21
Sampling Technician/Company: DAD ICE		Pre Sample Time: 645	Post Sample Time: 1645

451 3077 Meter ID:	Dissolved Oxygen: ✓	pH: ✓	ORP: ✓	Other:
Hach 5033	Specific Conductance: ✓	Turbidity: ✓	Temperature: ✓	Other:

Parameter	Calib. Std Lot #	Calib. Std Exp. Date	Calib. Std True Value	Pre Calib. Reading	Calibration Reading	Time	Qualifier Pass(P) Fail(F)	ICV	Time	Qualifier Pass(P) Fail(F)	CCV	Time	Qualifier Pass(P) Fail(F)
Dissolved Oxygen (mg/L)	N/A	N/A	___N/A___ mg/L @ ___N/A___ °C	9.36 mg/L @ 19.9 °C	9.46 mg/L @ 18.0 °C	649	N/A	9.50 mg/L @ 19.1 °C	721	N/A	6.03 mg/L @ 20.3 °C	1659	N/A
Temperature (°C)	N/A	N/A					N/A			N/A			N/A
% Dissolved Oxygen	N/A	N/A		98.5	100.0		P	100.1		P	68.3		P
pH (Units)	355588	6-22	7.00	7.06	7.00	653	P						
pH (Units)	355587	4-22	4.00	4.12	4.00	657	P						
pH (Units)	355589	"	10.00	10.07	10.00	659	P						
pH (Units)	195584	7-21	6.00					6.16	718	P	6.03	1649	P
Specific Conductance (umhos)	359590	6-22	1413	1395	1413	704	P						
Specific Conductance (umhos)	OGF326	~~4-5~~ 0c	100					103.2	710	P	102.2	1653	P
Specific Conductance (umhos)	355584	/	10000/50,000					9910	714	P	9811	1656	P
Turbidity (NTU)	359781	11-22	20	21.0	20.7	700	P						
Turbidity (NTU)	359782	12-21	100	101	102	702	P						
Turbidity (NTU)	359784	/	800	792	804	704	P						
Turbidity (NTU)	359780	1-22	10					10.1	706	P	10.5	1650	P
Other: ORP	18A100311	10-23	240	243.3	241.1	725	P	241.9	725	P	231.2	1702	P
Other:					T 12.7								
Other:													

Data Qualifier Codes	
J5	The data are questionable because of improper lab or field protocols (e.g., composite sample was collected instead of a grab sample).
J6	The field calib. verification did not meet calib. acceptance criteria.
E	Indicates that extra samples were taken at composite stations.
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!	Data deviate from historically established concentration ranges.

Acceptance Criteria	
DO ± 0.3 mg/L	
Specific Conductance ± 5%	
pH ± 0.2 pH Units	
Temperature ± 0.2 °C	
Turbidity	0.1-10 NTU: ± 10% 11-40 NTU: ± 8% 41-100 NTU: ±6.5% >100: ± 5%
Residual Chlorine: ±10% of primary standard value–*color comparator*	

Maintenance & Notes

Note: If a Calibration was completed on a previous day(s), that page # will be recorded in the measurement field as: "P#"

Specific Conductance Probe Cleaned? Yes / No	Weekly pH Slope	

Dissolved Oxygen Membrane Changed? Yes / No

Reviewed By:	Date:

Pace Analytical	Document Name: Field Sampling Calibration Log	Date Revised: September 19, 2018
	Document Number: F-FL-C-027 rev.01	Issuing Authority: Pace Florida Quality Office

Field Calibration Log

Client: Volusia County Solid Waste	Location/site:	Project Name: Tomoka LF Semi Annual	Date: 1-8-21
Sampling Technician/Company: DAVID ICE		Pre Sample Time: 645	Post Sample Time: 1420

YSI / Hach

3077 / 5233	Meter ID:	Dissolved Oxygen: ✓	pH: ✓	ORP: ✓	Other:
		Specific Conductance: ✓	Turbidity: ✓	Temperature: ✓	Other:

Parameter	Calib. Std Lot #	Calib. Std Exp. Date	Calib. Std True Value	Pre Calib. Reading	Calibration Reading	Time	Qualifier Pass(P) Fail(F)	ICV	Time	Qualifier Pass(P) Fail(F)	CCV	Time	Qualifier Pass(P) Fail(F)
Dissolved Oxygen (mg/L)	N/A	N/A	___N/A___ mg/L @ ___N/A___ °C	8.43	9.15	649	N/A	9.80	730	N/A	6.40	1436	N/A
Temperature (°C)	N/A	N/A		~~19.6~~ mg/L @ °C	~~19.3~~ mg/L @ °C	/	N/A	~~18.9~~ mg/L @ °C	/	N/A	~~19.2~~ mg/L @ °C	/	N/A
% Dissolved Oxygen	N/A	N/A		~~86.9~~ 92.1	100.0	/	P	105.2	/	P	68.7	/	P
pH (Units)	359588	6-22	7.00	7.12	7.00	652	P						
pH (Units)	359587	4-22	4.00	4.07	4.00	653	P						
pH (Units)	359589	1	10.00	9.97	10.00	659	P						
pH (Units)	195594	7-21	6.00					6.14	713	P	6.06	1424	P
Specific Conductance (umhos)	359590	6-21	1413	1419	1413	703	P						
Specific Conductance (umhos)	OGF306	1	100					104.8	207	P	103.1	1428	P
Specific Conductance (umhos)	359594	1	10000/50,000					9841	710	P	9798	1432	P
Turbidity (NTU)	359781	11-22	20	20.9	20.4	700	P						
Turbidity (NTU)	359782	12-21	100	96.7	101	702	P						
Turbidity (NTU)	359784	1	800	798	791	705	P						
Turbidity (NTU)	359780	1-22	10					10.2	710	P	10.5	1422	P
Other: ORP	18K100311	10-23	240	233.8	239.4 T 19.3	718	P	239.2	724	P	236.4	1440	P
Other:													
Other:													

Data Qualifier Codes	
J5	The data are questionable because of improper lab or field protocols (e.g., composite sample was collected instead of a grab sample).
J6	The field calib. verification did not meet calib. acceptance criteria.
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R	Significant rain in the past 48 hours. (Significant rain involves rain in excess of ½ inch within the past 48 hours). This code shall be used when the rainfall might contribute to a lower than normal value.
I	Data deviate from historically established concentration ranges.

Acceptance Criteria	
DO ± 0.3 mg/L	
Specific Conductance ± 5%	
pH ± 0.2 pH Units	
Temperature ± 0.2 °C	
Turbidity	0.1-10 NTU: ± 10% 11-40 NTU: ± 8% 41-100 NTU: ±6.5% >100: ± 5%
Residual Chlorine: ±10% of primary standard value–*color comparator*	

Maintenance & Notes

Note: If a Calibration was completed on a previous day(s), that **page #** will be recorded in the measurement field as: **"P#"**

Specific Conductance Probe Cleaned? Yes / No	Weekly pH Slope		Dissolved Oxygen Membrane Changed? Yes / No

Reviewed By:	Date:

Pace Analytical	Document Name: Field Sampling Calibration Log	Date Revised: September 19, 2018
	Document Number: F-FL-C-027 rev.01	Issuing Authority: Pace Florida Quality Office

Field Calibration Log

Client: Volusia County SOLID	Location/site:	Project Name: TOMOKA LF SCME	Date: 1-9-21
Sampling Technician/Company: Bruce Fosler		Pre Sample Time: 6:46	Post Sample Time: 12:07

YSI / HACH	Meter ID: 19F10C / 06J135	Dissolved Oxygen: ✓	pH: ✓	ORP:	Other:
		Specific Conductance: ✓	Turbidity:	Temperature: ✓	Other:

Parameter	Calib. Std Lot #	Calib. Std Exp. Date	Calib. Std True Value	Pre Calib. Reading	Calibration Reading	Time	Qualifier Pass(P) Fail(F)	ICV	Time	Qualifier Pass(P) Fail(F)	CCV	Time	Qualifier Pass(P) Fail(F)
Dissolved Oxygen (mg/L)	N/A	N/A	N/A mg/L @ N/A °C	10.59	9.75	6:46	N/A	6.98	7:13	N/A	12.24	12:07	N/A
Temperature (°C)	N/A	N/A		~~16.6~~ mg/L @ °C	16.6 mg/L @ °C		N/A	~~7.0~~ mg/L @ °C		N/A	~~14.4~~ mg/L @ °C		N/A
% Dissolved Oxygen	N/A	N/A		108.7	99.9	1	P	72.1	1	P	112.0	1	P
pH (Units)	3595A5	6-22	7.00	7.82	7.00	6:51	P						
pH (Units)	359587	4-22	4.00	3.86	3.96	6:56	P						
pH (Units)	359589	1	10.00	10.46	10.07	7:02	P						
pH (Units)	359600	8-21	6.00					6.02	7:17	P	6.04	12:12	P
Specific Conductance (umhos)	359590	6-21	1413	1420	1413	7:07	P						
Specific Conductance (umhos)	OGP326	1	10 0					103	7:21	P	103	1216	P
Specific Conductance (umhos)	359594	1	10000/50,000					9772	7:26	P	9621	1221	P
Turbidity (NTU)	359701	11-22	20	20.6	19.8	7:00							
Turbidity (NTU)	359702	12-21	100	99.3	98.7	7:03							
Turbidity (NTU)	359703	1	800	772	786	7:06							
Turbidity (NTU)	359700	1-22	10					10.1	7:10	P	10.4	12:10	P
Other: ORP	20K100276	1-25		17.9	17.9	7:30	P				17.5	12:26	P
Other:				226.1	240.1	1	P				232.7	1	P
Other:													

Data Qualifier Codes

J5	The data are questionable because of improper lab or field protocols (e.g., composite sample was collected instead of a grab sample).
J6	The field calib. verification did not meet calib. acceptance criteria.
E	Indicates that extra samples were taken at composite stations.
R	Significant rain in the past 48 hours. (Significant rain involves rain in excess of ½ inch within the past 48 hours). This code shall be used when the rainfall might contribute to a lower than normal value.
I	Data deviate from historically established concentration ranges.

Acceptance Criteria

DO ± 0.3 mg/L	
Specific Conductance ± 5%	
pH ± 0.2 pH Units	
Temperature ± 0.2 °C	
Turbidity	0.1-10 NTU: ± 10% 11-40 NTU: ± 8% 41-100 NTU: ±6.5% >100: ± 5%
Residual Chlorine: ±10% of primary standard value–*color comparator*	

Maintenance & Notes

Note: If a Calibration was completed on a previous day(s), that page # will be recorded in the measurement field as: "P#"

Specific Conductance Probe Cleaned? Yes / No	Weekly pH Slope	

Dissolved Oxygen Membrane Changed? Yes / No

Reviewed By:	Date:

Pace Analytical	Document Name: Field Sampling Calibration Log	Date Revised: September 19, 2018
	Document Number: F-FL-C-027 rev.01	Issuing Authority: Pace Florida Quality Office

Field Calibration Log

Client: Volusia County SoLID	Location/site:	Project Name: Tomoka LP SCME	Date: 1-11-21
Sampling Technician/Company:		Pre Sample Time: 6:35	Post Sample Time: 1530

YSI 031754 Meter ID: Dissolved Oxygen: / pH: / ORP: / Other:

HACH 190800 069135 Specific Conductance: / Turbidity: / Temperature: — Other:

Parameter	Calib. Std Lot #	Calib. Std Exp. Date	Calib. Std True Value	Pre Calib. Reading	Calibration Reading	Time	Qualifier Pass(P) Fail(F)	ICV	Time	Qualifier Pass(P) Fail(F)	CCV	Time	Qualifier Pass(P) Fail(F)
Dissolved Oxygen (mg/L)	N/A	N/A	9.84	9.84	9.86	6:41	N/A	9.32	7:01	N/A	7.22	1536	N/A
Temperature (°C)	N/A	N/A	~~16.0~~ N/A mg/L @ N/A °C	~~16.0~~ mg/L @ °C	~~16.0~~ mg/L @ °C	/	N/A	~~15.8~~ mg/L @ °C	/	N/A	~~22.3~~ mg/L @ °C	/	N/A
% Dissolved Oxygen	N/A	N/A	99.8	99.8	~~99.6~~ 100	/	P	94.0	/	P	83.0	/	P
pH (Units)	359588	6-22	7.00	7.32	7.00	6:45	P						
pH (Units)	359587	4-22	4.00	4.11	4.00	6:47	P						
pH (Units)	359589	1	10.00	10.28	10.04	6:51	P						
pH (Units)	359600	8-21	6.00					6.03	7:05	P	6.02	1541	P
Specific Conductance (umhos)	359590	6-21	1413	1415	1413	6:56							
Specific Conductance (umhos)	06F326	1	10 ○					102	7:09	P	104	1546	P
Specific Conductance (umhos)	359597		10000/50,000					9862	7116	P	9642	1552	P
Turbidity (NTU)	359701	11-22	20	20.7	All	7:02	P						
Turbidity (NTU)	359702	12-21	100	102.	good	7:04	P						
Turbidity (NTU)	359703	1	800	799		7:06	P						
Turbidity (NTU)	359704	1-22	10					10.5	7:07	P/T09	10.2	1550	P
Other: ORP	20K10036	1-25		16.5	16.5	7:24	P			M	10.8	1559	P
Other:				230	242.1	/	P				238.7	/	P
Other:													

Data Qualifier Codes

J5	The data are questionable because of improper lab or field protocols (e.g., composite sample was collected instead of a grab sample).
J6	The field calib. verification did not meet calib. acceptance criteria.
E	Indicates that extra samples were taken at composite stations.
R	Significant rain in the past 48 hours. (Significant rain involves rain in excess of ½ inch within the past 48 hours). This code shall be used when the rainfall might contribute to a lower than normal value.
I	Data deviate from historically established concentration ranges.

Acceptance Criteria

DO ± 0.3 mg/L	
Specific Conductance ± 5%	
pH ± 0.2 pH Units	
Temperature ± 0.2 °C	
Turbidity	0.1-10 NTU: ± 10% 11-40 NTU: ± 8% 41-100 NTU: ±6.5% >100: ± 5%
Residual Chlorine: ±10% of primary standard value–*color comparator*	

Maintenance & Notes

Note: If a Calibration was completed on a previous day(s), that page # will be recorded in the measurement field as: "P#"

Specific Conductance Probe Cleaned? Yes / No	Weekly pH Slope	
Dissolved Oxygen Membrane Changed? Yes / No		

Reviewed By:	Date:

Pace Analytical™	Document Name: Field Sampling Calibration Log	Date Revised: September 19, 2018
	Document Number: F-FL-C-027 rev.01	Issuing Authority: Pace Florida Quality Office

Field Calibration Log

Client: Volusia County SOLID	Location/site:	Project Name: Tomoka LF SEMI	Date: 1-12-21
Sampling Technician/Company: Bruce Fosnight		Pre Sample Time: 6:25	Post Sample Time: 1539

YSI 176AC Meter ID:	Dissolved Oxygen: ✓	pH: ✓	ORP: ✓	Other:
HACH 1809OC 069C35	Specific Conductance:	Turbidity: ✓	Temperature: ✓	Other:

Parameter	Calib. Std Lot #	Calib. Std Exp. Date	Calib. Std True Value	Pre Calib. Reading	Calibration Reading	Time	Qualifier Pass(P) Fail(F)	ICV	Time	Qualifier Pass(P) Fail(F)	CCV	Time	Qualifier Pass(P) Fail(F)
Dissolved Oxygen (mg/L)	N/A	N/A	N/A mg/L @ N/A °C	~~8.65~~	9.41	6:31	N/A	9.15	6:58	N/A	8.92	1549	N/A
Temperature (°C)	N/A	N/A		~~18.3~~ mg/L @ °C	~~15.2~~ mg/L @ °C		N/A	~~15.7~~ mg/L @ °C		N/A	~~19.0~~ mg/L @ °C		N/A
% Dissolved Oxygen	N/A	N/A		92.1	99.8		P	99.0		P	96.3		P
pH (Units)	357588	6-22	7.00	7.04	7.00	6:37	P						
pH (Units)	357587	4.22	4.00	4.06	4.00	6:42	P						
pH (Units)	359588	1	10.00	10.21	10.02	6:47	P						
pH (Units)	359607	8-21	6.00					6.03	7:03	P	6.02	1555	P
Specific Conductance (umhos)	359590	6-21	1413	1409	1413	6:53	P						
Specific Conductance (umhos)	06P326	1	10					10 3	7:07	P	102	1351	P
Specific Conductance (umhos)	359594		10000/50,000					9652	7:13	P	9721	1802	P
Turbidity (NTU)	359701	12-22	20	20.4	20.1	6:50	P						
Turbidity (NTU)	359702	12-21	100	98.3	100	6:54	P						
Turbidity (NTU)	359703	1	800	789	802	6:58	P						
Turbidity (NTU)	359700	1-22	10					10.6		7:04	10.1	1607	
Other: ORP	20K10036	1-25		19.4	19.40	7:17	P				20.4	1612	P
Other:				237.8	236.9	1	P				232.1	1	P
Other:													

Data Qualifier Codes	
J5	The data are questionable because of improper lab or field protocols (e.g., composite sample was collected instead of a grab sample).
J6	The field calib. verification did not meet calib. acceptance criteria.
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I	Data deviate from historically established concentration ranges.

Acceptance Criteria	
DO ± 0.3 mg/L	
Specific Conductance ± 5%	
pH ± 0.2 pH Units	
Temperature ± 0.2 °C	
Turbidity	0.1-10 NTU: ± 10% 11-40 NTU: ± 8% 41-100 NTU: ±6.5% >100: ± 5%
Residual Chlorine: ±10% of primary standard value–*color comparator*	

Maintenance & Notes

Note: If a Calibration was completed on a previous day(s), that **page #** will be recorded in the measurement field as: **"P#"**

Specific Conductance Probe Cleaned? Yes / No	Weekly pH Slope	

Dissolved Oxygen Membrane Changed? Yes / No

Reviewed By:	Date:

Pace Analytical	Document Name: Field Sampling Calibration Log	Date Revised: September 19, 2018
	Document Number: F-FL-C-027 rev.01	Issuing Authority: Pace Florida Quality Office

Field Calibration Log

Client: Volusia County SOLID	Location/site:	Project Name: Tomoka LF Semi	Date: ~~1-~~ 1-13-21
Sampling Technician/Company: Bruce Foster		Pre Sample Time: 6:16	Post Sample Time: 15:10

YSI / Hach

031794C / 1809C	Meter ID: 06B125	Dissolved Oxygen: ✓	pH: ✓	ORP: ✓	Other:
		Specific Conductance: ✓	Turbidity: ✓	Temperature: ✓	Other:

Parameter	Calib. Std Lot #	Calib. Std Exp. Date	Calib. Std True Value	Pre Calib. Reading	Calibration Reading	Time	Qualifier Pass(P) Fail(F)	ICV	Time	Qualifier Pass(P) Fail(F)	CCV	Time	Qualifier Pass(P) Fail(F)
Dissolved Oxygen (mg/L)	N/A	N/A	N/A mg/L @ N/A °C	10.72	9.64	6:21	N/A	C.31	6:58	N/A	8.97	15:16	N/A
Temperature (°C)	N/A	N/A		~~17.06~~ mg/L @ °C	~~16.9~~ mg/L @ °C	~~6:24~~	N/A	~~15.2~~ mg/L @ °C	1	N/A	~~16.15~~ mg/L @ °C	1	N/A
% Dissolved Oxygen	N/A	N/A		111.1	99.6	1	P	66.6		P	94.2		P
pH (Units)	359588	6-22	7.00	7.11	7.00	6:28	P						
pH (Units)	35A887	4-22	4.00	4.02	4.00	6:37	P						
pH (Units)	359589	'	10.00	10.09	10.02	6:43	P						
pH (Units)	359600	3-21	6.00					6.03	7:06	P	6.02	15:21	P
Specific Conductance (umhos)	359590	6-21	1413	1409	1413	6:50	P						
Specific Conductance (umhos)	06F326	1	100					103	7:11	P	102	15:26	P
Specific Conductance (umhos)	359594		10000/50,000					9,721	7:15	P	9654	15:31	P
Turbidity (NTU)	359701	11-22	20	21.5	20.0	6:40							
Turbidity (NTU)	359702	12-21	100	98.8	101	6:43							
Turbidity (NTU)	359703	1	800	795	797	6:46							
Turbidity (NTU)	359700	1-22	10					10.8	6:50	P	10.1	15:36	P
Other: ORP	20K0036	1-25		18.4	18.8	7:22	P				19.8	15:40	P
Other:				228.4	240.1	1	P				235.2	1	P
Other:													

Data Qualifier Codes	
J5	The data are questionable because of improper lab or field protocols (e.g., composite sample was collected instead of a grab sample).
J6	The field calib. verification did not meet calib. acceptance criteria.
E	Indicates that extra samples were taken at composite stations.
R	Significant rain in the past 48 hours. (Significant rain involves rain in excess of ½ inch within the past 48 hours). This code shall be used when the rainfall might contribute to a lower than normal value.
!	Data deviate from historically established concentration ranges.

Acceptance Criteria	
DO ± 0.3 mg/L	
Specific Conductance ± 5%	
pH ± 0.2 pH Units	
Temperature ± 0.2 °C	
Turbidity	0.1-10 NTU: ± 10% 11-40 NTU: ± 8% 41-100 NTU: ±6.5% >100: ± 5%
Residual Chlorine: ±10% of primary standard value–*color comparator*	

Maintenance & Notes

Note: If a Calibration was completed on a previous day(s), that page # will be recorded in the measurement field as: "P#"

Specific Conductance Probe Cleaned? Yes / No	Weekly pH Slope	Dissolved Oxygen Membrane Changed? Yes / No

Reviewed By:	Date:

Pace Analytical	Document Name: Field Sampling Calibration Log	Date Revised: September 19, 2018
	Document Number: F-FL-C-027 rev.01	Issuing Authority: Pace Florida Quality Office

Field Calibration Log

Client: Volusia County Solid Waste	Location/site:	Project Name: TOMOKA LF SCMS	Date: 1-14-21
Sampling Technician/Company: Bruce Lo Jacono		Pre Sample Time: 6:41	Post Sample Time: 1558

YSI / HACH

03781K Meter ID:	Dissolved Oxygen: ✓	pH: ✓	ORP: ✓	Other:
18090L 06912	Specific Conductance: ✓	Turbidity: ✓	Temperature: ✓	Other:

Parameter	Calib. Std Lot #	Calib. Std Exp. Date	Calib. Std True Value	Pre Calib. Reading	Calibration Reading	Time	Qualifier Pass(P) Fail(F)	ICV	Time	Qualifier Pass(P) Fail(F)	CCV	Time	Qualifier Pass(P) Fail(F)
Dissolved Oxygen (mg/L)	N/A	N/A	___N/A___ mg/L @ ___N/A___ °C	12.15	9.89	6:46	N/A	10.21	7:15	N/A	8.52	1536	N/A
Temperature (°C)	N/A	N/A		~~15.9~~ mg/L @ °C	~~15~~ mg/L @ °C	1	N/A	~~13.9~~ mg/L @ °C	1	N/A	~~22.5~~ mg/L @ °C	1	N/A
% Dissolved Oxygen	N/A	N/A		122.9	99.5	1	P	98.1	1	P	98.4	1	P
pH (Units)	359588	6-22	7.00	6.88	7.00	6:51	P						
pH (Units)	359587	4-22	4.00	4.02	4.00	6:56	P						
pH (Units)	359589	1	10.00	10.16	10.03	7:02	P						
pH (Units)	359600	8-21	6.00					6.63	7:21	P	6.61	1601	P
Specific Conductance (umhos)	359590	6-21	1413	1430	1413	7:07	P						
Specific Conductance (umhos)	OG#326	1	100					101	7:26	P	103	1605	P
Specific Conductance (umhos)	359594	1	10000/50,000					9702	7:32	P	9641	1610	P
Turbidity (NTU)	359701	11-22	20	20.7	All good	7:00	P						
Turbidity (NTU)	359702	12-21	100	102		7:03	P						
Turbidity (NTU)	359703	1	800	801		7:06	P						
Turbidity (NTU)	359700	1-22	10					10.2	7:10	P	10.1	1602	P
Other: ORP	2H1003C	1-25		17.0	17.1						18.7	1617	P
Other:				234.4	233.7						236.0	1	P
Other:												1	

Data Qualifier Codes

J5	The data are questionable because of improper lab or field protocols (e.g., composite sample was collected instead of a grab sample).
J6	The field calib. verification did not meet calib. acceptance criteria.
E	Indicates that extra samples were taken at composite stations.
R	Significant rain in the past 48 hours. (Significant rain involves rain in excess of ½ inch within the past 48 hours). This code shall be used when the rainfall might contribute to a lower than normal value.
!	Data deviate from historically established concentration ranges.

Acceptance Criteria

DO ± 0.3 mg/L	
Specific Conductance ± 5%	
pH ± 0.2 pH Units	
Temperature ± 0.2 °C	
Turbidity	0.1-10 NTU: ± 10% 11-40 NTU: ± 8% 41-100 NTU: ±6.5% >100: ± 5%
Residual Chlorine: ±10% of primary standard value–*color comparator*	

Maintenance & Notes

Note: If a Calibration was completed on a previous day(s), that page # will be recorded in the measurement field as: "P#"

Specific Conductance Probe Cleaned? Yes / No	Weekly pH Slope	

Dissolved Oxygen Membrane Changed? Yes / No

Reviewed By:	Date:

Pace Analytical	Document Name: Field Sampling Calibration Log	Date Revised: September 19, 2018
	Document Number: F-FL-C-027 rev.01	Issuing Authority: Pace Florida Quality Office

Field Calibration Log

Client: Volusia County	Location/site:	Project Name: TOMOKA LF SOUTH	Date: 1-15-21
Sampling Technician/Company: Bruce Fosher		Pre Sample Time: 6:35	Post Sample Time: 1541

9SF 63178AL Meter ID:	Dissolved Oxygen: ✓	pH: ✓	ORP: ✓	Other:
HACH 19070C 067135	Specific Conductance: ✓	Turbidity: ✓	Temperature: ✓	Other:

Parameter	Calib. Std Lot #	Calib. Std Exp. Date	Calib. Std True Value	Pre Calib. Reading	Calibration Reading	Time	Qualifier Pass(P) Fail(F)	ICV	Time	Qualifier Pass(P) Fail(F)	CCV	Time	Qualifier Pass(P) Fail(F)
Dissolved Oxygen (mg/L)	N/A	N/A	___N/A___ mg/L @ ___N/A___ °C	10.57	10.32	6:41	N/A	9.47	7:05	N/A	7.87	1546	N/A
Temperature (°C)	N/A	N/A		~~13.8~~ mg/L @ °C	~~13.9~~ mg/L @ °C	1	N/A	~~14.3~~ mg/L @ °C	1	N/A	~~22.8~~ mg/L @ °C	1	N/A
% Dissolved Oxygen	N/A	N/A		102.3	99.9	1	P	93.0	1	P	~~84.4~~ 91.2		P
pH (Units)	359588	6-22	7.00	7.00	7.00	6:46	P						
pH (Units)	359587	4.22	4.00	4.00	4.00	6:56	P						
pH (Units)	359589	1	10.00	9.98	9.98	6:55	P						
pH (Units)	359600	8-21	6.00					6.03	7:02	P	6.01	1551	P
Specific Conductance (umhos)	359590	6-21	1413	1417	1413	6:59	P						
Specific Conductance (umhos)	06F326	1	100					102	7:13	P	104	1559	P
Specific Conductance (umhos)	359594	1	10000/50,000					9821	7:17	P	9651	1606	P
Turbidity (NTU)	359701	11-22	20	21.0	20.3	7:04	P						
Turbidity (NTU)	359702	12-21	100	105	101	7:10	P						
Turbidity (NTU)	359703	1	800	790	812	7:13	P						
Turbidity (NTU)	359708	1-22	10					10.3	7:15	P	9.95	1555	P
Other: ORP	2K10835	1-25		15.9	15.9	7:21	P				18.8	1613	P
Other:				243.0	242.9	1	P				227.2	1	P
Other:													

Data Qualifier Codes	
J5	The data are questionable because of improper lab or field protocols (e.g., composite sample was collected instead of a grab sample).
J6	The field calib. verification did not meet calib. acceptance criteria.
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R	Significant rain in the past 48 hours. (Significant rain involves rain in excess of ½ inch within the past 48 hours). This code shall be used when the rainfall might contribute to a lower than normal value.
I	Data deviate from historically established concentration ranges.

Acceptance Criteria	
DO ± 0.3 mg/L	
Specific Conductance ± 5%	
pH ± 0.2 pH Units	
Temperature ± 0.2 °C	
Turbidity	0.1-10 NTU: ± 10% 11-40 NTU: ± 8% 41-100 NTU: ±6.5% >100: ± 5%
Residual Chlorine: ±10% of primary standard value–*color comparator*	

Maintenance & Notes

Note: If a Calibration was completed on a previous day(s), that **page #** will be recorded in the measurement field as: **"P#"**

Specific Conductance Probe Cleaned? Yes / No	Weekly pH Slope	

Dissolved Oxygen Membrane Changed? Yes / No

Reviewed By:	Date:

Pace Analytical	Document Name: Field Sampling Calibration Log	Date Revised: September 19, 2018
	Document Number: F-FL-C-027 rev.01	Issuing Authority: Pace Florida Quality Office

Field Calibration Log

Client: Volusia County Solid Waste	Location/site:	Project Name: Tomoka LF Storm Pond	Date: 1-15-21
Sampling Technician/Company: DAVID ICE		Pre Sample Time: 700	Post Sample Time: 1515

YSI 3077 Meter ID: | Dissolved Oxygen: ✓ | pH: ✓ | ORP: ✓ | Other:
HACH 5233 | Specific Conductance: ✓ | Turbidity: ✓ | Temperature: ✓ | Other:

Parameter	Calib. Std Lot #	Calib. Std Exp. Date	Calib. Std True Value	Pre Calib. Reading	Calibration Reading	Time	Qualifier Pass(P) Fail(F)	ICV	Time	Qualifier Pass(P) Fail(F)	CCV	Time	Qualifier Pass(P) Fail(F)
Dissolved Oxygen (mg/L)	N/A	N/A	___N/A___ mg/L @ ___N/A___ °C	10.14 mg/L @ 16.2 °C	9.83 mg/L @ 16.5 °C	710	N/A	10.18	742	N/A	9.48	1520	N/A
Temperature (°C)	N/A	N/A					N/A	14.4 mg/L @ °C		N/A	22.5 mg/L @ °C		N/A
% Dissolved Oxygen	N/A	N/A		106.2	100.0		P	100.8		P	105.0		P
pH (Units)	359585	6-22	7.00	6.99	7.00	713	P						
pH (Units)	359582	4-22	4.00	4.07	4.00	717	P						
pH (Units)	359589	1	10.00	9.99	10.00	721	P						
pH (Units)	195584	7-21	6.00					6.14	738	P	6.03	1524	P
Specific Conductance (umhos)	358590	6-21	1413	1421	1413	725	P						
Specific Conductance (umhos)	OGF326	1	100					103.9	729	P	101.1	1527	P
Specific Conductance (umhos)	359597	1	10000/50,000					9922	733	P	9963	1530	P
Turbidity (NTU)	359781	11-22	20	21.2	20.4	715	P						
Turbidity (NTU)	359782	12-21	100	99.	99.2	717	P						
Turbidity (NTU)	359784	1	800	7.99	798	720	P						
Turbidity (NTU)	359780	1-22	10					10.2	738	P	10.7	1516	P
Other: ORP	18H100311	10-23	240	246.1	243.8 T 15.9	748	P	243.8	750	P	232.2	1536	P
Other:													
Other:													

Data Qualifier Codes

J5	The data are questionable because of improper lab or field protocols (e.g., composite sample was collected instead of a grab sample).
J6	The field calib. verification did not meet calib. acceptance criteria.
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DO ± 0.3 mg/L	
Specific Conductance ± 5%	
pH ± 0.2 pH Units	
Temperature ± 0.2 °C	
Turbidity	0.1-10 NTU: ± 10% 11-40 NTU: ± 8% 41-100 NTU: ±6.5% >100: ± 5%
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Maintenance & Notes

Note: If a Calibration was completed on a previous day(s), that page # will be recorded in the measurement field as: "P#"

Specific Conductance Probe Cleaned? Yes / No	Weekly pH Slope	
Dissolved Oxygen Membrane Changed? Yes / No		

Reviewed By:	Date:

Attachment 2
ADaPT EDD Files
(submitted electronically)

Attachment 3
Water Quality Monitoring Certification
(FDEP Form 62-701.900(31), FAC)
and
Groundwater Monitoring Extension
Letter

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 Tomoka Farms Road Landfill

Address 1990 Tomoka Farms Road

City Port Orange Zip 32128 County Volusia

Telephone Number (386) 947-2952

(2) WACS Facility ID 64-00027540

(3) DEP Permit Number 0078767-039-SF-01

(4) Authorized Representative's Name Regina Montgomery Title Division Director

Address 1990 Tomoka Farms Road

City Port Orange Zip 32128 County Volusia

Telephone Number (386) 947-2952

Email address (if available) RMontgomery@volusia.org

CERTIFICATION

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

3/2/2021 (Date)

Regina Montgomery (Owner or Authorized Representative's Signature)

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization 860198

Analytical Lab NELAC / HRS Certification # E83079

Lab Name PACE Analytical Services, Inc.

Address 8 East Tower Circle, Ormand Beach, FL 32174

Phone Number (386) 672-5668

Email address (if available) Jeff.Baylor@pacelabs.com

Catches, John

From: Melton, Dale <Dale.Melton@FloridaDEP.gov>
Sent: Wednesday, December 9, 2020 12:01 PM
To: Jennifer Stirk
Subject: RE: [EX] Aproval of Time Extension for Semiannual Sampling at the Volusia County Tomoka Farms Road LF - WACS ID 27540

Good Morning Jennifer,

Thank you for your update on the landfill conditions at the Tomoka Farms Road Landfill – WACS ID: 27540. As the landfill is still reported to be wet, a time extension for sampling is approved to January 23, 2021 to allow time for the area to dry out and holidays.

Please keep me updated on the status.

Best regards,

Dale Melton
Environmental Consultant
Permitting and Waste Cleanup Program
FDEP Central District
Dale.Melton@FloridaDEP.gov
407-897-4326
Links: **Waste** | **Rules** | **Permitting** | **Oculus** | **INFO PORTAL**

From: Jennifer Stirk <jstirk@volusia.org>
Sent: Wednesday, December 9, 2020 8:12 AM
To: DEP_CD <DEP_CD@dep.state.fl.us>; Melton, Dale <Dale.Melton@FloridaDEP.gov>; Jeff Baylor <Jeff.Baylor@pacelabs.com>
Cc: John Catches <John.Catches@hdrinc.com>
Subject: Re: [EX] Aproval of Time Extension for Semiannual Sampling at the Volusia County Tomoka Farms Road LF - WACS ID 27540

Dale,

As a follow up to the telephone message I left on Wednesday, the landfill property is still extremely wet. The week of Thanksgiving we got an additional 4 inches. The lab is able to reschedule the two week sampling event starting December 28, 2020. Because of the holidays and the amount of time it takes to complete the event sampling will go into January 2021. Please let us know if this is okay.

Thanks,

Jennifer R. Stirk
Environmental Specialist III
Volusia County Solid Waste Division
phone: 386-947-2952
fax: 386-947-2955

>>>
CAUTION: *This email originated from outside Volusia County's email system. DO NOT CLICK links or attachments unless you recognize the sender and/or know the content is safe.*

Mr. Baylor,

It is our understanding that due to heavy rain during the planned semiannual sampling event in November 2020, the Tomoka Landfill (WACS ID 27540) semiannual sampling event will need to be rescheduled to mid December.

The Department hereby approves this rescheduling of the semiannual sampling event.

Should you have any questions, please email me at the address below.

Best Regards,

Dale Melton
Environmental Consultant
Permitting and Waste Cleanup Program
FDEP Central District
Dale.Melton@FloridaDEP.gov
407-897-4326
Links: **Waste** | **Rules** | **Permitting** | **Oculus** | **INFO PORTAL**

From: Jeff Baylor <Jeff.Baylor@pacelabs.com>
Sent: Monday, November 23, 2020 5:51 PM
To: DEP_CD <DEP_CD@dep.state.fl.us>
Cc: Jennifer Stirk (jstirk@volusia.org) <jstirk@volusia.org>; John Catches (John.Catches@hdrinc.com) <John.Catches@hdrinc.com>
Subject: Volusia County Tomoka Farms Road LF

This notification is to let everyone know of the delay of the beginning of sampling for the semi-annual event and the B5/B37 event at the Volusia County Tomoka Farms Road LF. These were originally scheduled to start the second week of November. However, when the field crew went out to the site, they found the site flooded and thus many of the wells were inaccessible due to the unusually high amount of precipitation that has fallen at the landfill. I contacted Ms.

Jennifer Stirk at that time to tell her of the delay. The Port Orange area, where the landfill is located, received another 6-8 inches of rain on Sunday, 11/22/20, which will hamper any field efforts. At this time, Pace Analytical has re-scheduled the events at Tomoka to happen the first and second week of December in an effort to allow the landfill to dry out. Thank you

Jeff Baylor
Project Manager | Pace Environmental Sciences
8 East Tower Circle, Ormond Beach, FL 32174
o: 386.676.4806 | pacelabs.com

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